

Climatography of the United States

No. 20

1971-2000

Station: HUNTINGTON, OR

COOP ID: 354098

Climate Division: OR 8

NWS Call Sign:

Elevation: 2,110 Feet Lat: 44° 21N

Lon: 117° 15W

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	36.1	19.1	27.6	59	1959	24	33.8	1981	-19	1979	31	14.9	1979	1159	0	.0	.0	1.0	9.6	28.5	1.8
Feb	44.0	24.5	34.3	68	1995	26	40.6	1992	-19+	1989	8	20.3	1989	861	0	.0	.0	7.5	3.1	23.3	.6
Mar	55.1	31.6	43.4	80	1966	29	50.1	1992	10+	1993	1	37.4	1976	672	0	.0	.0	24.1	.2	16.6	.0
Apr	64.3	38.5	51.4	91+	1987	30	58.6	1990	18	1964	17	46.0	1975	413	4	.0	.1	29.1	.0	5.8	.0
May	73.8	47.1	60.5	103	1986	31	66.4	1992	26	1970	11	55.5	1984	184	43	.1	2.0	31.0	.0	.8	.0
Jun	83.3	55.0	69.2	107+	1961	20	75.7	1977	32	1981	13	63.4	1993	55	179	.9	8.3	30.0	.0	@	.0
Jul	92.7	63.0	77.9	113	1960	19	83.8	1985	40	1955	1	68.4	1993	6	403	6.1	20.8	31.0	.0	.0	.0
Aug	91.7	60.1	75.9	112	1961	3	81.0	1986	31	1951	29	69.6	1976	12	350	4.9	19.9	31.0	.0	.0	.0
Sep	81.1	49.5	65.3	106	1955	5	74.3	1990	28	1984	24	57.9	1985	115	124	.2	6.7	30.0	.0	.5	.0
Oct	67.2	37.2	52.2	94	1997	2	61.3	1988	18+	1996	22	47.3	1984	405	7	.0	.2	30.2	.0	8.4	.0
Nov	48.4	27.6	38.0	76	1954	9	41.9	1981	-8+	1985	26	28.5	1985	811	0	.0	.0	13.5	1.2	21.9	.2
Dec	37.2	19.9	28.6	67	1951	19	35.0	1977	-15+	1990	23	13.9	1985	1130	0	.0	.0	1.3	7.0	28.4	1.7
Ann	64.6	39.4	52.0	113	Jul 1960	19	83.8	Jul 1985	-19+	Feb 1989	8	13.9	Dec 1985	5823	1110	12.2	58.0	259.7	21.1	134.2	4.3

+ 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: 1948-2001

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

060-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: HUNTINGTON, OR

COOP ID: 354098

Climate Division: OR 8

NWS Call Sign:

Elevation: 2,110 Feet Lat: 44°21N

Lon: 117°15W

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	1.75	1.76	10.38	1957	19	4.65	1995	.26	1985	9.2	5.2	.8	.0	.52	.68	.93	1.15	1.35	1.57	1.81	2.10	2.46	3.03	3.57
Feb	1.58	1.31	1.00	1990	16	4.75	1999	.09	1997	8.8	5.0	.6	@	.20	.32	.55	.77	1.00	1.26	1.56	1.93	2.43	3.25	4.04
Mar	1.43	1.37	.79	1983	3	3.97	1983	.02	1994	9.7	5.1	.4	.0	.22	.34	.55	.75	.95	1.17	1.43	1.75	2.17	2.85	3.51
Apr	.97	.80	11.14	1957	24	4.59	1978	.00	1977	7.4	3.1	.3	@	.10	.21	.38	.52	.66	.81	.99	1.20	1.47	1.92	2.35
May	1.19	.89	1.40	1998	22	5.23	1998	.08	1974	7.9	3.6	.4	.1	.13	.22	.38	.55	.73	.93	1.16	1.46	1.86	2.52	3.16
Jun	.83	.65	.83	1992	13	1.88	1971	.00	1973	5.7	2.7	.3	.0	.04	.11	.24	.36	.49	.64	.81	1.03	1.32	1.81	2.29
Jul	.54	.31	1.84	1995	13	2.29	1995	.00+	2000	3.0	1.4	.2	@	.00	.01	.07	.15	.23	.34	.47	.65	.90	1.33	1.76
Aug	.51	.19	1.86	1979	13	3.44	1979	.00+	1999	3.0	1.5	.2	@	.00	.00	.01	.07	.15	.26	.40	.59	.87	1.36	1.86
Sep	.55	.41	1.50	1959	18	2.04	1986	.00+	1999	3.9	2.0	.2	.0	.00	.00	.00	.16	.28	.40	.54	.71	.95	1.33	1.69
Oct	.76	.67	1.09	1956	11	2.44	1982	.00+	1988	5.5	2.4	.4	.0	.00	.00	.21	.34	.47	.61	.77	.96	1.21	1.63	2.03
Nov	1.74	1.34	1.40	1952	15	5.38	1988	.09	1976	10.0	5.5	.6	.1	.19	.32	.57	.81	1.07	1.36	1.70	2.13	2.70	3.66	4.59
Dec	1.96	1.69	1.90	1966	3	4.82	1996	.05	1976	9.3	5.8	.9	.1	.31	.47	.76	1.03	1.31	1.62	1.97	2.40	2.97	3.91	4.80
Ann	13.81	13.02	11.14	Apr 1957	24	5.38	Nov 1988	.00+	Jul 2000	83.4	43.3	5.3	.3	8.44	9.42	10.70	11.70	12.61	13.49	14.42	15.45	16.73	18.60	20.25

+ 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

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

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Station: HUNTINGTON, OR

COOP ID: 354098

Climate Division: OR 8

NWS Call Sign:

Elevation: 2,110 Feet

Lat: 44° 21N

Lon: 117° 15W

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	8.7	4.8	4	3	10.0	1982	22	37.3	1993	25	1993	20	20	1993	4.3	2.6	.8	.5	@	10.6	8.7	6.7	1.9
Feb	2.4	1.0	1	#	4.0	1975	20	14.5	1985	10+	1982	13	7	1982	1.9	1.1	.3	.0	.0	3.6	2.7	2.0	.1
Mar	.5	.0	#	0	3.5	1985	6	5.0	1985	3	1989	6	#+	1990	.4	.3	.1	.0	.0	.2	@	.0	.0
Apr	#	.0	0	0	#	1975	6	#+	1975	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
May	#	.0	0	0	#	1978	4	#	1978	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	.4	1971	30	.7	1971	0	0	0	0	0	.1	.0	.0	.0	.0	.0	.0	.0	.0
Nov	3.6	1.8	#	#	7.0	1988	25	12.3	1994	7+	1994	30	2	1979	1.5	1.2	.5	.1	.0	2.1	1.1	.7	.0
Dec	6.3	5.2	2	1	7.0	1980	2	17.2	1971	13+	1992	31	8	1992	4.0	2.6	1.0	.2	.0	9.7	6.5	3.0	.5
Ann	21.5	12.8	N/A	N/A	10.0	Jan 1982	22	37.3	Jan 1993	25	Jan 1993	20	20	Jan 1993	12.2	7.8	2.7	.8	@	26.2	19.0	12.4	2.5

+ 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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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	6/10	6/02	5/27	5/22	5/17	5/12	5/07	5/01	4/23
32	5/19	5/12	5/06	5/02	4/28	4/23	4/19	4/13	4/06
28	5/01	4/24	4/19	4/14	4/10	4/06	4/01	3/27	3/19
24	4/10	4/03	3/29	3/25	3/21	3/17	3/12	3/07	2/28
20	3/20	3/11	3/05	2/28	2/23	2/18	2/12	2/06	1/28
16	2/28	2/21	2/16	2/11	2/07	2/03	1/30	1/25	1/18
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	9/16	9/21	9/24	9/26	9/29	10/01	10/04	10/07	10/11
32	9/22	9/27	9/30	10/03	10/06	10/09	10/12	10/16	10/21
28	10/09	10/14	10/17	10/20	10/23	10/26	10/29	11/01	11/06
24	10/15	10/21	10/25	10/29	11/01	11/05	11/08	11/12	11/18
20	10/28	11/03	11/07	11/11	11/14	11/18	11/21	11/26	12/02
16	11/10	11/17	11/22	11/26	11/30	12/04	12/09	12/14	12/21
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	157	149	144	139	134	130	125	119	111
32	186	178	171	166	161	156	151	145	136
28	220	212	206	200	195	190	185	179	170
24	252	243	236	230	225	219	214	207	197
20	297	286	277	270	264	257	250	242	231
16	327	316	308	302	295	289	282	275	264

* 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)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1159	861	672	413	184	55	6	12	115	405	811	1130	5823
60	1004	721	517	277	93	19	0	2	55	268	661	975	4592
57	911	637	426	205	54	9	0	1	31	198	571	882	3925
55	849	582	367	164	35	5	0	0	20	156	512	820	3510
50	697	453	231	82	9	0	0	0	6	74	370	666	2588
32	239	106	9	0	0	0	0	0	0	0	45	214	613

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	103	170	359	582	882	1114	1420	1360	998	625	224	106	7943
55	0	2	5	56	204	428	707	647	329	68	1	0	2447
57	0	0	2	37	161	372	645	586	280	48	0	0	2131
60	0	0	0	19	107	293	553	495	213	26	0	0	1706
65	0	0	0	4	43	179	403	350	124	7	0	0	1110
70	0	0	0	0	12	95	266	220	61	1	0	0	655

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	25	149	353	639	878	1171	1113	754	383	59	2	0	25	174	527	1166	2044	3215	4328	5082	5465	5524	5526
45	0	4	60	218	484	728	1016	958	604	247	15	0	0	4	64	282	766	1494	2510	3468	4072	4319	4334	4334
50	0	0	12	112	336	578	861	803	457	134	2	0	0	0	12	124	460	1038	1899	2702	3159	3293	3295	3295
55	0	0	1	49	205	431	706	648	318	59	0	0	0	0	1	50	255	686	1392	2040	2358	2417	2417	2417
60	0	0	0	17	109	295	552	493	197	22	0	0	0	0	0	17	126	421	973	1466	1663	1685	1685	1685
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	22	101	226	386	552	745	699	481	273	40	0	0	22	123	349	735	1287	2032	2731	3212	3485	3525	3525

(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