

Climatography of the United States

No. 20

1971-2000

Station: BRUNEAU, ID

COOP ID: 101195

Climate Division: ID 5

NWS Call Sign:

Elevation: 2,530 Feet Lat: 42° 53N Lon: 115° 48W

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	40.2	22.5	31.4	67	1980	12	38.9	1998	-16+	1984	20	20.4	1979	1044	0	.0	.0	5.0	7.1	26.0	1.2
Feb	48.3	26.7	37.5	74	1981	19	44.0	1995	-16+	1989	6	26.9	1989	770	0	.0	.0	12.6	2.1	20.5	.5
Mar	58.3	31.9	45.1	84	1978	29	50.2	1978	0	1976	3	39.5	1985	617	0	.0	.0	27.2	.1	16.8	@
Apr	66.7	37.1	51.9	94+	1992	29	58.5	1987	17	1964	17	45.5	1975	397	5	.0	.3	29.4	.0	8.1	.0
May	75.1	44.6	59.9	99+	1986	27	65.5	1992	24+	1982	5	55.9	1977	187	27	.0	2.4	31.0	.0	1.4	.0
Jun	84.6	51.6	68.1	107	1974	14	73.1	1977	33+	1995	7	62.5	1993	53	145	1.5	9.7	30.0	.0	.0	.0
Jul	93.0	57.1	75.1	111	1973	10	80.0	1985	39+	1986	5	66.3	1993	7	319	5.6	22.1	31.0	.0	.0	.0
Aug	92.0	55.3	73.7	108+	1983	7	78.0	1971	33	1965	31	69.1	1993	8	277	4.2	20.6	31.0	.0	.0	.0
Sep	81.5	46.0	63.8	103+	1987	1	70.4	1990	21	1965	18	57.7	1985	116	78	.2	6.7	30.0	.0	.8	.0
Oct	68.6	37.0	52.8	95	1992	1	59.7	1988	12	1970	30	49.2	1984	381	1	.0	.1	30.3	.0	8.7	.0
Nov	51.1	29.3	40.2	81	1980	7	46.4	1999	-4	1985	26	29.8	1985	745	0	.0	.0	16.9	1.2	19.0	.2
Dec	40.0	22.2	31.1	68+	1995	12	38.0	1977	-32	1990	22	16.5	1985	1052	0	.0	.0	5.1	6.2	25.8	1.2
Ann	66.6	38.4	52.6	111	Jul 1973	10	80.0	Jul 1985	-32	Dec 1990	22	16.5	Dec 1985	5377	852	11.5	61.9	279.5	16.7	127.1	3.1

+ 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/normals/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1962-2001

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

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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: BRUNEAU, ID

COOP ID: 101195

Climate Division: ID 5

NWS Call Sign:

Elevation: 2,530 Feet Lat: 42°53N

Lon: 115°48W

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	.83	.80	.68	1997	1	2.30	1997	.00+	1993	6.5	2.9	.1	.0	.00	.00	.32	.47	.60	.73	.89	1.06	1.28	1.64	1.98
Feb	.59	.46	.76	1996	4	1.96	1978	.00	1997	5.3	2.3	.1	.0	.05	.12	.22	.31	.39	.49	.60	.73	.91	1.20	1.48
Mar	.84	.64	.80	1996	28	2.36	1983	.16	1977	5.6	2.9	.2	.0	.18	.25	.38	.49	.60	.73	.86	1.03	1.24	1.59	1.92
Apr	.65	.61	.80	1963	19	1.72	1978	.07	1977	5.3	2.4	.2	.0	.13	.19	.28	.37	.46	.56	.66	.79	.96	1.24	1.50
May	.80	.54	1.20	1995	11	3.51	1995	.00	1992	5.2	2.6	.2	@	.05	.13	.26	.38	.50	.63	.79	.98	1.25	1.67	2.09
Jun	.68	.44	1.80	1971	26	2.94	1971	.00	2000	3.9	2.2	.2	@	.03	.08	.18	.28	.39	.51	.65	.83	1.08	1.50	1.90
Jul	.18	.09	.50	1978	4	.71	1977	.00+	2000	1.5	.5	@	.0	.00	.00	.00	.00	.05	.10	.16	.23	.32	.48	.63
Aug	.19	.04	1.25	1968	17	1.45	1983	.00+	2000	1.4	.7	.1	.0	.00	.00	.00	.00	.00	.04	.12	.21	.35	.58	.81
Sep	.55	.33	1.67	1980	11	2.38	1980	.00+	1999	3.2	1.5	.3	@	.00	.00	.05	.15	.26	.38	.52	.69	.93	1.32	1.73
Oct	.56	.41	.96	1975	11	2.26	1975	.00+	1999	3.9	1.9	.1	.0	.00	.00	.09	.20	.30	.41	.54	.71	.93	1.29	1.65
Nov	.91	.84	.85	1984	10	2.35	1984	.16	1993	5.9	3.4	.3	.0	.17	.25	.38	.50	.63	.76	.92	1.10	1.35	1.75	2.14
Dec	.74	.47	1.08	1983	11	2.29	1983	.00+	1990	5.8	2.8	.1	@	.00	.00	.16	.28	.41	.55	.72	.93	1.20	1.66	2.11
Ann	7.52	6.99	1.80	Jun 1971	26	3.51	May 1995	.00+	Aug 2000	53.5	26.1	1.9	.0	3.87	4.50	5.34	6.01	6.62	7.23	7.88	8.62	9.54	10.91	12.14

+ 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: 1962-2001

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

Complete documentation available from:
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Station: BRUNEAU, ID

COOP ID: 101195

Climate Division: ID 5

NWS Call Sign:

Elevation: 2,530 Feet

Lat: 42° 53N

Lon: 115° 48W

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	1.0	.1	#	0	5.0	1972	12	5.0	1972	5	1972	14	1	1972	.6	.3	.1	.1	.0	-9.9	-9.9	-9.9	-9.9
Feb	.5	.0	0	0	5.0	1978	11	5.0	1978	0	0	0	0	0	.3	.2	.1	.1	.0	.0	.0	.0	.0
Mar	.3	.0	#	0	3.0	1984	29	3.0	1984	#	1971	27	#	1971	.1	.1	.1	.0	.0	.0	.0	.0	.0
Apr	#	.0	0	0	#	1971	10	#	1971	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
May	.0	.0	#	0	.0	0	0	.0	0	#	1971	7	#	1971	.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	#	1971	26	#	1971	#	1971	26	#	1971	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.0	.0	0	0	.1	1971	28	.1	1971	0	0	0	0	0	.1	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.4	.0	#	0	4.5	1985	24	4.5	1985	3	1979	26	#+	1992	.3	.3	.1	.0	.0	.0	.0	.0	.0
Dec	.2	.0	#	0	.7	1971	12	1.5	1971	3	1984	15	3	1984	.4	.0	.0	.0	.0	.0	.0	.0	.0
Ann	2.4	.1	N/A	N/A	5.0+	Feb 1978	11	5.0+	Feb 1978	5	Jan 1972	14	3	Dec 1984	1.8	.9	.4	.2	.0	-9.9	-9.9	-9.9	-9.9

+ 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	6/12	6/05	5/31	5/26	5/22	5/18	5/14	5/09	5/02
32	5/19	5/14	5/11	5/08	5/05	5/03	4/30	4/26	4/22
28	5/10	5/03	4/28	4/24	4/21	4/17	4/13	4/08	4/02
24	4/23	4/15	4/08	4/03	3/29	3/24	3/19	3/13	3/04
20	4/06	3/28	3/22	3/17	3/12	3/07	3/01	2/23	2/14
16	3/12	3/04	2/25	2/20	2/15	2/10	2/05	1/29	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	9/11	9/15	9/18	9/20	9/22	9/24	9/26	9/29	10/03
32	9/22	9/27	9/30	10/03	10/06	10/09	10/12	10/16	10/20
28	10/01	10/06	10/10	10/13	10/16	10/19	10/22	10/25	10/30
24	10/15	10/20	10/23	10/26	10/29	10/31	11/03	11/06	11/11
20	10/25	10/31	11/04	11/07	11/11	11/14	11/17	11/22	11/27
16	11/06	11/13	11/18	11/23	11/27	12/01	12/05	12/10	12/17
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	144	136	131	126	122	118	113	108	100
32	176	168	163	158	153	149	144	138	130
28	204	195	188	182	177	172	166	160	151
24	242	232	225	218	213	207	201	193	184
20	273	263	255	249	243	237	231	224	213
16	320	307	299	291	284	277	269	260	248

* 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	1044	770	617	397	187	53	7	8	116	381	745	1052	5377
60	889	630	462	262	89	16	0	1	49	235	595	897	4125
57	796	546	371	192	49	6	0	0	24	161	507	804	3456
55	734	494	312	152	31	3	0	0	14	118	452	742	3052
50	589	364	180	74	7	0	0	0	2	45	317	598	2176
32	171	57	2	0	0	0	0	0	0	0	40	178	448

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	150	212	408	598	864	1082	1335	1292	952	644	285	149	7971
55	0	4	5	60	181	394	622	579	276	49	7	0	2177
57	0	0	2	40	138	338	560	517	226	30	3	0	1854
60	0	0	0	20	84	257	468	425	161	11	0	0	1426
65	0	0	0	5	27	145	319	277	78	1	0	0	852
70	0	0	0	0	5	67	187	151	29	0	0	0	439

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	22	74	191	365	623	845	1093	1052	718	407	104	28	22	96	287	652	1275	2120	3213	4265	4983	5390	5494	5522
45	1	25	88	229	468	695	938	897	568	262	43	5	1	26	114	343	811	1506	2444	3341	3909	4171	4214	4219
50	0	3	34	120	320	545	783	742	420	141	11	0	0	3	37	157	477	1022	1805	2547	2967	3108	3119	3119
55	0	0	3	55	191	397	628	587	282	60	1	0	0	0	3	58	249	646	1274	1861	2143	2203	2204	2204
60	0	0	0	19	95	259	473	434	161	15	0	0	0	0	0	19	114	373	846	1280	1441	1456	1456	1456
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	9	50	145	258	403	530	667	642	470	300	70	11	9	59	204	462	865	1395	2062	2704	3174	3474	3544	3555

(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