

Climatography of the United States

No. 20

1971-2000

Station: BRIDGEPORT, CA

COOP ID: 041072

Climate Division: CA 3

NWS Call Sign:

Elevation: 6,470 Feet Lat: 38°15N

Lon: 119°14W

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	40.5	8.1	24.3	68+	1990	10	35.2	1986	-31	1982	7	13.7	1982	1262	0	.0	.0	8.4	5.2	30.5	7.2
Feb	43.6	11.4	27.5	71	1977	16	35.0	1991	-29+	1969	17	20.4	1990	1050	0	.0	.0	9.9	2.2	27.5	4.3
Mar	48.9	18.7	33.8	77	1966	31	41.2	1997	-26	1969	8	25.4	1973	966	0	.0	.0	19.2	.5	29.4	.5
Apr	56.2	23.1	39.7	84	1981	29	45.2	1994	-2+	1975	7	32.0	1975	761	0	.0	.0	25.6	@	26.8	.1
May	63.7	29.8	46.8	88	1986	30	52.8	1992	6	1973	3	40.5	1977	567	0	.0	.0	29.6	.0	19.7	.0
Jun	73.0	36.4	54.7	94+	1985	18	59.0	1981	17+	1982	3	49.2	1995	311	3	.0	.4	29.9	.0	7.4	.0
Jul	81.4	40.3	60.9	98	1994	28	64.0	1994	21+	1976	2	56.8	1995	148	18	.0	3.7	31.0	.0	3.4	.0
Aug	80.4	38.9	59.7	96+	1981	8	63.7	1998	19+	1973	24	54.3	1976	181	15	.0	2.1	31.0	.0	5.0	.0
Sep	73.8	31.3	52.6	91	1988	4	56.3	1997	7	1968	22	47.2	1986	374	1	.0	.2	29.9	.0	16.8	.0
Oct	64.6	22.7	43.7	89	1980	1	47.9	1993	-5	1971	29	38.8	1981	662	0	.0	.0	29.3	.0	28.2	.1
Nov	51.3	16.1	33.7	80	1989	11	40.0	1999	-20	1964	19	26.2	1972	940	0	.0	.0	19.2	.7	27.9	1.4
Dec	42.1	9.4	25.8	72	1958	3	33.2	1981	-31	1968	21	17.8	1978	1217	0	.0	.0	11.6	4.5	30.0	5.6
Ann	60.0	23.9	41.9	98	Jul 1994	28	64.0	Jul 1994	-31+	Jan 1982	7	13.7	Jan 1982	8439	37	.0	6.4	274.6	13.1	252.6	19.2

+ 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: 1948-2001

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

024-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: BRIDGEPORT, CA

COOP ID: 041072

Climate Division: CA 3

NWS Call Sign:

Elevation: 6,470 Feet Lat: 38°15N

Lon: 119°14W

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	1.29	.88	2.59	1963	31	4.87	1981	.00+	1991	5.2	3.3	.8	.2	.00	.00	.20	.40	.63	.89	1.20	1.60	2.15	3.08	4.01
Feb	1.46	1.03	2.52	1969	24	6.83	1986	.00+	1997	5.1	3.5	1.2	.4	.00	.00	.13	.35	.60	.91	1.29	1.78	2.48	3.66	4.86
Mar	1.07	.74	2.10	1995	10	2.86	1995	.00+	1997	5.0	2.7	.4	.1	.00	.06	.22	.38	.56	.77	1.01	1.32	1.74	2.46	3.17
Apr	.40	.28	1.55	1982	11	2.35	1982	.00+	1998	2.8	1.1	.1	@	.00	.00	.00	.09	.17	.27	.37	.50	.68	.99	1.29
May	.54	.28	1.14	1989	11	2.10	1989	.00+	1999	2.7	1.6	.3	@	.00	.00	.00	.06	.15	.26	.42	.62	.92	1.46	2.01
Jun	.58	.36	1.29	1977	9	3.99	1982	.00+	1999	2.6	1.4	.4	.1	.00	.00	.00	.08	.18	.31	.48	.69	1.01	1.56	2.12
Jul	.45	.21	2.00	1998	24	2.00	1998	.00+	2000	2.1	1.1	.2	.1	.00	.00	.00	.00	.09	.22	.37	.55	.82	1.25	1.68
Aug	.50	.26	.96	1988	26	2.45	1983	.00+	1997	2.8	1.6	.3	.0	.00	.00	.00	.09	.19	.31	.45	.62	.87	1.28	1.69
Sep	.50	.27	2.06	1985	11	2.30	1985	.00+	2000	2.3	1.3	.2	.1	.00	.00	.00	.01	.08	.19	.33	.54	.86	1.43	2.02
Oct	.35	.15	.85	1991	26	1.54	1972	.00+	1999	2.2	1.1	.2	.0	.00	.00	.00	.03	.10	.18	.28	.41	.60	.94	1.27
Nov	.86	.54	1.40	1971	11	3.46	1983	.00+	2000	3.1	1.9	.6	.2	.00	.00	.00	.06	.25	.46	.72	1.05	1.52	2.32	3.11
Dec	1.01	.71	2.00	1996	22	5.14	1996	.00+	2000	4.2	2.4	.7	.3	.00	.00	.00	.03	.20	.43	.73	1.15	1.76	2.85	3.95
Ann	9.01	7.90	2.59	Jan 1963	31	6.83	Feb 1986	.00+	Dec 2000	40.1	23.0	5.4	1.5	3.45	4.29	5.48	6.47	7.42	8.37	9.41	10.62	12.15	14.50	16.64

+ 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:

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1971-2000

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Station: BRIDGEPORT, CA

COOP ID: 041072

Climate Division: CA 3

NWS Call Sign:

Elevation: 6,470 Feet

Lat: 38°15N

Lon: 119°14W

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	8.9	8.5	4	2	10.0	1980	11	21.0	1978	45	1993	18	33	1993	2.3	2.0	.8	.2	@	12.7	7.7	4.4	1.6
Feb	11.1	6.0	4	1	24.0	1998	8	38.0	1975	45	1993	26	20	1993	2.7	2.2	1.1	.6	.3	8.9	4.8	3.4	1.9
Mar	5.6	3.8	3	#	13.0	1975	22	30.2	1975	40	1993	3	36	1993	2.2	1.7	.7	.2	.1	4.6	2.8	2.0	.3
Apr	1.8	.5	#	0	7.0	1975	5	12.0	1975	5	1975	5	3	1975	1.1	.8	.1	@	.0	.3	.1	@	.0
May	1.4	.0	#	0	5.0	1994	18	13.0	1977	5	1994	18	#+	1998	.6	.5	.2	@	.0	.2	@	@	.0
Jun	.1	.0	#	0	1.0	1995	7	1.5	1995	#	1975	24	#	1975	.1	@	.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	.3	.0	0	0	8.0	1985	11	8.0	1985	0	0	0	0	0	@	@	@	@	.0	.0	.0	.0	.0
Oct	.5	.0	#	0	5.0	1978	30	8.0	1978	4	1996	31	#+	2000	.3	.1	.1	@	.0	.1	@	.0	.0
Nov	2.1	.3	1	#	7.0	1983	24	12.0	1972	9	1994	26	8	1985	1.0	.7	.3	.1	.0	1.7	.9	.0	.0
Dec	6.9	3.0	2	#	12.0	1973	1	22.5	1971	36	1996	25	8	1996	1.6	1.2	.4	.3	.1	5.0	4.0	1.7	.4
Ann	38.7	22.1	N/A	N/A	24.0	Feb 1998	8	38.0	Feb 1975	45+	Feb 1993	26	36	Mar 1993	11.9	9.2	3.7	1.4	.5	33.5	20.3	11.5	4.2

+ 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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Lat: 38° 15N

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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	8/04	7/30	7/27	7/24	7/21	7/18	7/15	7/12	7/07
32	7/31	7/23	7/18	7/13	7/08	7/04	6/29	6/23	6/16
28	7/23	7/13	7/06	6/30	6/24	6/18	6/12	6/05	5/26
24	6/29	6/20	6/13	6/08	6/03	5/28	5/23	5/16	5/08
20	6/10	6/01	5/26	5/21	5/15	5/10	5/05	4/28	4/19
16	5/19	5/10	5/04	4/29	4/24	4/19	4/14	4/08	3/30
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	7/31	8/03	8/06	8/09	8/11	8/13	8/16	8/19	8/23
32	8/02	8/08	8/13	8/17	8/20	8/24	8/27	9/01	9/07
28	8/11	8/18	8/23	8/28	9/01	9/05	9/10	9/15	9/22
24	8/26	9/03	9/08	9/13	9/18	9/22	9/27	10/03	10/11
20	9/11	9/17	9/22	9/26	9/30	10/03	10/07	10/12	10/18
16	9/24	10/01	10/06	10/10	10/15	10/19	10/23	10/28	11/04
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	42	35	29	25	20	16	11	6	0
32	75	64	56	49	42	35	28	20	9
28	113	97	86	77	68	59	50	39	24
24	145	132	122	114	106	99	90	81	67
20	172	160	151	143	136	129	122	113	101
16	213	199	189	181	173	165	157	147	133

* 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	1262	1050	966	761	567	311	148	181	374	662	940	1217	8439
60	1107	910	811	611	415	179	55	77	231	507	790	1062	6755
57	1014	826	718	521	330	116	22	37	157	414	700	969	5824
55	952	770	656	464	275	83	10	20	115	354	640	907	5246
50	797	630	506	326	161	27	0	2	41	216	491	752	3949
32	319	189	99	29	3	0	0	0	0	5	89	260	993

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	80	63	156	258	460	682	893	857	617	366	139	66	4637
55	0	0	0	3	19	75	190	163	42	3	0	0	495
57	0	0	0	1	11	48	140	118	24	1	0	0	343
60	0	0	0	0	4	21	80	66	8	0	0	0	179
65	0	0	0	0	0	3	18	15	1	0	0	0	37
70	0	0	0	0	0	0	2	1	0	0	0	0	3

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	2	6	35	111	282	500	688	646	423	189	39	4	2	8	43	154	436	936	1624	2270	2693	2882	2921	2925
45	0	0	0	39	155	351	533	491	279	83	7	0	0	0	0	39	194	545	1078	1569	1848	1931	1938	1938
50	0	0	0	7	68	213	379	337	146	20	0	0	0	0	0	7	75	288	667	1004	1150	1170	1170	1170
55	0	0	0	0	13	99	228	192	56	1	0	0	0	0	0	0	13	112	340	532	588	589	589	589
60	0	0	0	0	0	29	98	76	10	0	0	0	0	0	0	0	0	29	127	203	213	213	213	213
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	28	36	79	166	278	398	510	500	395	273	103	36	28	64	143	309	587	985	1495	1995	2390	2663	2766	2802

(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