

Climatography of the United States

No. 20

1971-2000

Station: POTTER VALLEY P H, CA

COOP ID: 047109

Climate Division: CA 1

NWS Call Sign:

Elevation: 1,015 Feet Lat: 39° 22N

Lon: 123° 08W

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	56.5	34.1	45.3	82+	1984	27	48.6	1986	3	1962	22	42.0	1982	612	0	.0	.0	26.6	.0	14.5	.0
Feb	59.7	36.7	48.2	87	1971	11	51.9	1991	19+	1962	27	42.9	1999	471	0	.0	.0	25.0	.2	8.1	.0
Mar	63.1	38.5	50.8	90	1972	15	55.2	1986	20	1953	2	45.6	1991	441	0	.0	@	29.2	.0	5.5	.0
Apr	68.9	40.1	54.5	94+	1981	29	59.1	1985	22	1999	5	49.7	1975	319	3	.0	.4	29.8	.0	1.8	.0
May	76.3	44.1	60.2	102+	1984	28	66.6	1992	28	1964	6	54.0	1977	184	36	.2	3.9	31.0	.0	.2	.0
Jun	84.6	49.2	66.9	110	1961	15	71.5	2000	32	1988	6	61.0	1980	53	111	1.9	9.5	30.0	.0	@	.0
Jul	92.2	53.0	72.6	113	1972	15	76.8	1988	38	1963	1	67.8	1987	8	242	5.2	20.4	31.0	.0	.0	.0
Aug	91.3	51.7	71.5	116	1978	8	74.0	1978	39	1964	31	67.9	1976	4	205	5.0	19.6	31.0	.0	.0	.0
Sep	87.0	48.1	67.6	111	1950	1	72.4	1974	33	1950	30	60.8	1986	44	121	2.2	14.1	30.0	.0	.0	.0
Oct	76.8	42.5	59.7	103+	1980	3	64.9	1991	21	1971	29	54.3	1984	193	27	.3	3.8	30.9	.0	1.0	.0
Nov	62.1	37.1	49.6	93	1966	1	55.8	1976	19	1961	17	43.3	1994	463	0	.0	@	28.7	.0	7.3	.0
Dec	55.8	33.1	44.5	83	1980	15	48.1	1977	12+	1990	22	37.9	1990	637	0	.0	.0	25.1	.0	15.4	.0
Ann	72.9	42.4	57.6	116	Aug 1978	8	76.8	Jul 1988	3	Jan 1962	22	37.9	Dec 1990	3429	745	14.8	71.7	348.3	.2	53.8	.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

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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No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: POTTER VALLEY P H, CA

COOP ID: 047109

Climate Division: CA 1

NWS Call Sign:

Elevation: 1,015 Feet Lat: 39°22N

Lon: 123°08W

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	8.83	9.17	5.65	1974	16	23.34	1995	.59	1984	12.8	10.2	5.8	2.8	1.12	1.82	3.07	4.30	5.60	7.04	8.72	10.79	13.59	18.19	22.64
Feb	7.87	6.52	5.09	1986	17	18.91	1998	.25	1988	12.2	9.5	5.8	2.9	.96	1.58	2.69	3.79	4.95	6.24	7.75	9.61	12.14	16.30	20.33
Mar	6.88	5.30	3.41	1995	9	19.15	1983	.32	1994	12.7	9.0	5.3	2.4	.80	1.34	2.30	3.26	4.28	5.42	6.75	8.40	10.65	14.34	17.94
Apr	2.80	2.49	2.76	1953	27	7.09	1983	.13	1985	7.9	5.5	1.8	.7	.35	.57	.96	1.35	1.77	2.23	2.76	3.42	4.32	5.79	7.22
May	1.63	1.08	2.50	1990	27	7.47	1990	.00	1976	5.4	3.3	1.2	.3	.03	.11	.30	.52	.78	1.09	1.47	1.96	2.66	3.86	5.06
Jun	.36	.08	1.85	1992	29	2.86	1992	.00+	1987	1.7	.7	.2	@	.00	.00	.00	.01	.05	.11	.22	.36	.60	1.04	1.51
Jul	.08	.00	1.48	1974	8	1.48	1974	.00+	2000	.3	.1	@	@	.00	.00	.00	.00	.00	.00	.00	.00	.01	.22	.54
Aug	.18	.00	1.00	1997	20	1.40	1976	.00+	1998	.9	.5	.1	@	.00	.00	.00	.00	.00	.00	.01	.08	.24	.60	1.00
Sep	.89	.36	2.82	1959	18	4.96	1986	.00+	1995	2.4	1.5	.7	.3	.00	.00	.00	.03	.13	.30	.56	.93	1.51	2.58	3.72
Oct	2.60	2.17	3.28	1962	12	6.86	1979	.00+	1995	5.7	3.8	2.0	.8	.00	.31	.79	1.21	1.63	2.09	2.62	3.24	4.10	5.50	6.85
Nov	6.33	5.57	3.30	1962	26	17.77	1973	.44	1995	11.4	8.0	4.2	2.3	.54	.97	1.81	2.69	3.65	4.75	6.06	7.71	9.98	13.79	17.53
Dec	6.87	5.85	8.26	1964	22	19.36	1996	.01	1989	12.4	9.0	5.0	2.2	.44	.86	1.72	2.65	3.71	4.94	6.42	8.32	10.96	15.43	19.87
Ann	45.32	43.54	8.26	Dec 1964	22	23.34	Jan 1995	.00+	Jul 2000	85.8	61.1	32.1	14.7	23.70	27.40	32.40	36.38	40.03	43.65	47.49	51.84	57.25	65.35	72.57

+ 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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COOP ID: 047109

Climate Division: CA 1

NWS Call Sign:

Elevation: 1,015 Feet

Lat: 39°22N

Lon: 123°08W

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	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Feb	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Mar	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Apr	.0	.0	0	0	.0	0	0	.0	0	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	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dec	.1	.0	0	0	1.5	1972	12	1.5	1972	0	0	0	0	0	@	@	.0	.0	.0	.0	.0	.0	.0
Ann	.1	.0	N/A	N/A	1.5	Dec 1972	12	1.5	Dec 1972	0	0	0	0	0	@	@	.0	.0	.0	.0	.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

Complete documentation available from:

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NWS Call Sign:

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Lat: 39° 22N

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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	6/01	5/26	5/21	5/18	5/14	5/11	5/07	5/02	4/26
32	5/10	5/01	4/25	4/19	4/14	4/09	4/03	3/28	3/19
28	4/06	3/25	3/17	3/10	3/03	2/24	2/17	2/09	1/28
24	2/27	2/14	2/04	1/27	1/19	1/11	1/02	12/21	11/30
20	1/19	12/30	0/00	0/00	0/00	0/00	0/00	0/00	0/00
16	12/15	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	10/03	10/08	10/12	10/16	10/19	10/22	10/25	10/29	11/04
32	10/19	10/25	10/29	11/02	11/06	11/09	11/13	11/17	11/23
28	11/01	11/09	11/15	11/20	11/25	11/29	12/04	12/10	12/18
24	11/14	11/24	12/02	12/08	12/15	12/21	12/28	1/06	1/23
20	12/17	1/08	0/00	0/00	0/00	0/00	0/00	0/00	0/00
16	1/16	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	181	173	167	162	157	152	147	141	133
32	235	225	217	211	205	199	192	185	175
28	315	298	286	276	266	256	246	234	217
24	>365	>365	346	333	323	314	305	296	282
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

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Climate Division: CA 1 NWS Call Sign: Elevation: 1,015 Feet Lat: 39°22N Lon: 123°08W

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	612	471	441	319	184	53	8	4	44	193	463	637	3429
60	457	332	293	186	91	14	0	0	10	92	317	482	2274
57	364	253	211	122	51	4	0	0	3	51	237	390	1686
55	302	202	163	87	32	2	0	0	1	32	187	331	1339
50	156	99	74	27	8	0	0	0	0	7	90	193	654
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	411	453	582	674	875	1048	1257	1224	1067	857	527	386	9361
55	0	11	32	72	194	359	544	511	378	175	24	4	2304
57	0	6	18	46	151	302	482	449	320	133	13	1	1921
60	0	1	7	20	98	221	389	356	237	80	4	0	1413
65	0	0	0	3	36	111	242	205	121	27	0	0	745
70	0	0	0	0	9	40	120	81	45	5	0	0	300

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	187	254	347	447	637	819	1023	999	849	631	305	166	187	441	788	1235	1872	2691	3714	4713	5562	6193	6498	6664
45	72	130	202	299	482	669	868	844	699	477	166	59	72	202	404	703	1185	1854	2722	3566	4265	4742	4908	4967
50	13	46	91	166	330	520	713	689	549	322	73	10	13	59	150	316	646	1166	1879	2568	3117	3439	3512	3522
55	0	4	25	74	193	371	558	534	399	187	19	0	0	4	29	103	296	667	1225	1759	2158	2345	2364	2364
60	0	0	0	26	94	232	403	379	255	82	1	0	0	0	0	26	120	352	755	1134	1389	1471	1472	1472
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	119	152	217	293	404	502	610	593	516	411	191	110	119	271	488	781	1185	1687	2297	2890	3406	3817	4008	4118

(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