

Climatography of the United States

No. 20

1971-2000

Station: STRAWBERRY VALLEY, CA

COOP ID: 048606

Climate Division: CA 2

NWS Call Sign:

Elevation: 3,808 Feet Lat: 39° 34N

Lon: 121° 06W

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	49.0	29.0	39.0	76+	1961	15	44.6	1986	7	1950	3	33.8	1982	806	0	.0	.0	14.2	1.0	22.1	.0
Feb	49.9	29.7	39.8	77	1977	13	47.3	1991	5+	1962	27	34.5	1990	705	0	.0	.0	14.3	.7	19.5	.0
Mar	52.7	31.5	42.1	80+	1966	31	47.3+	1997	12+	1971	1	35.6	1991	695	0	.0	.0	19.4	.4	17.9	.0
Apr	58.8	34.5	46.7	86	1981	29	52.9	1987	17	1999	9	39.0	1975	552	1	.0	.0	24.3	.1	12.1	.0
May	66.8	40.2	53.5	94+	1984	28	61.6	1992	22+	1974	19	45.2	1998	368	12	.0	.2	28.9	.0	3.1	.0
Jun	75.0	46.5	60.8	101	1950	29	65.7	1977	29	1976	3	55.4	1980	161	34	.0	1.5	29.7	.0	.4	.0
Jul	82.2	50.8	66.5	101+	1972	14	70.7	1988	34	1976	1	61.6	1983	52	99	.1	4.3	31.0	.0	.0	.0
Aug	82.2	50.1	66.2	102+	1981	7	70.3	1992	36+	1973	24	61.3	1976	55	90	.1	4.8	31.0	.0	.0	.0
Sep	77.2	46.5	61.9	103+	1955	4	67.5	1991	31+	1978	18	54.7	1986	150	56	.0	2.3	29.8	.0	.2	.0
Oct	68.0	40.3	54.2	94	1980	2	61.0	1988	21	1971	29	47.1	1984	356	20	.0	.4	28.9	.0	3.3	.0
Nov	54.4	32.8	43.6	86	1949	5	51.2	1995	15	1975	29	36.0	1973	643	0	.0	.0	19.6	.2	13.7	.0
Dec	49.4	29.3	39.4	75	1980	16	45.8	1989	4+	1990	21	31.4	1971	796	0	.0	.0	15.0	1.3	22.0	.0
Ann	63.8	38.4	51.1	103+	Sep 1955	4	70.7	Jul 1988	4+	Dec 1990	21	31.4	Dec 1971	5339	312	.2	13.5	286.1	3.7	114.3	.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: STRAWBERRY VALLEY, CA

COOP ID: 048606

Climate Division: CA 2

NWS Call Sign:

Elevation: 3,808 Feet Lat: 39°34N

Lon: 121°06W

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	14.81	14.22	11.75	1963	31	42.49	1995	1.02	1984	12.7	11.0	7.5	5.3	1.63	2.76	4.81	6.88	9.09	11.57	14.48	18.09	23.01	31.14	39.06
Feb	13.86	11.07	8.52	1986	18	42.21	1986	.79	1997	12.4	10.3	7.2	4.7	1.37	2.38	4.27	6.20	8.29	10.65	13.43	16.91	21.67	29.57	37.31
Mar	12.66	9.31	7.42	1986	8	35.98	1995	1.46	1994	13.1	11.1	7.0	4.6	1.68	2.70	4.50	6.27	8.12	10.17	12.54	15.46	19.42	25.89	32.14
Apr	5.73	4.47	6.46	1982	11	23.04	1982	.70	1973	9.5	7.1	3.6	2.0	.86	1.34	2.17	2.96	3.78	4.69	5.73	7.00	8.71	11.50	14.17
May	3.31	2.26	5.58	1957	18	11.60	1996	.00	1976	6.9	4.7	2.4	1.0	.04	.20	.58	1.02	1.55	2.18	2.96	3.98	5.43	7.92	10.43
Jun	1.02	.57	2.00	1995	15	4.94	1995	.00+	1986	2.9	2.1	.5	.3	.00	.00	.07	.21	.39	.60	.87	1.22	1.73	2.60	3.48
Jul	.28	.03	3.33	1974	8	4.67	1974	.00+	2000	1.0	.4	.1	.1	.00	.00	.00	.00	.00	.01	.06	.18	.41	.86	1.40
Aug	.32	.10	1.62	1965	11	3.17	1976	.00+	2000	1.4	.5	.2	.1	.00	.00	.00	.00	.01	.06	.15	.30	.53	.99	1.47
Sep	1.64	.88	5.45	1959	18	11.33	1986	.00+	1995	3.0	2.1	1.2	.6	.00	.00	.00	.09	.30	.62	1.08	1.75	2.79	4.70	6.72
Oct	4.41	3.74	11.32	1962	12	11.98	1981	.00+	1995	5.8	4.3	2.5	1.6	.00	.23	.85	1.51	2.24	3.09	4.12	5.40	7.21	10.27	13.31
Nov	10.42	7.11	6.84	1988	23	34.61	1973	.83	1995	10.5	8.8	5.8	3.9	1.05	1.82	3.25	4.70	6.27	8.04	10.12	12.72	16.28	22.18	27.95
Dec	12.16	9.71	11.62	1964	22	44.65	1996	.00	1989	11.0	9.3	6.2	4.1	.69	1.85	3.72	5.51	7.41	9.51	11.96	15.00	19.11	25.90	32.48
Ann	80.62	74.44	11.75	Jan 1963	31	44.65	Dec 1996	.00+	Aug 2000	90.2	71.7	44.2	28.3	38.28	45.26	54.85	62.57	69.74	76.91	84.57	93.30	104.25	120.77	135.62

+ 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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COOP ID: 048606

Climate Division: CA 2

NWS Call Sign:

Elevation: 3,808 Feet

Lat: 39°34N

Lon: 121°06W

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	18.1	13.0	6	2	20.0	1972	27	67.5	1973	60	1971	14	38	1971	4.5	3.8	2.5	1.5	.5	12.2	9.9	7.9	6.0
Feb	22.0	18.9	5	3	32.0	1990	17	101.0	1990	72	1990	18	22	1990	5.0	4.3	2.5	1.5	.6	12.0	10.4	8.5	5.8
Mar	22.7	16.3	3	2	35.0	1982	31	94.5	1991	53	1982	31	18	1979	4.6	3.8	2.8	1.8	.9	8.1	6.9	5.6	3.3
Apr	10.2	5.0	2	#	20.0	1982	1	45.5	1982	63	1982	2	21	1982	2.4	2.1	1.1	.7	.2	3.1	2.3	1.8	1.0
May	.7	.0	#	0	7.0	1977	6	10.0	1977	3	1977	6	#+	1999	.3	.3	.1	@	.0	.1	@	.0	.0
Jun	#	.0	#	0	#	1995	7	#+	1995	#	1995	7	#	1995	.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	.2	.0	#	0	2.0	1971	15	2.5	1981	3	1984	17	#+	1984	.1	.1	.0	.0	.0	@	.0	.0	.0
Nov	5.4	3.5	1	#	11.0	1978	13	22.6	1994	13	1981	27	4	1994	1.7	1.4	.7	.3	.1	2.7	2.0	1.3	.2
Dec	16.6	13.0	3	1	27.0	1971	25	85.5	1971	42	1988	31	15	1971	3.8	3.4	1.9	1.2	.4	8.8	6.5	4.6	2.6
Ann	95.9	69.7	N/A	N/A	35.0	Mar 1982	31	101.0	Feb 1990	72	Feb 1990	18	38	Jan 1971	22.4	19.2	11.6	7.0	2.7	47.0	38.0	29.7	18.9

+ 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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NWS Call Sign:

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Lat: 39°34N

Lon: 121°06W

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	6/26	6/19	6/14	6/09	6/06	6/02	5/28	5/23	5/17
32	6/09	6/02	5/28	5/23	5/19	5/15	5/11	5/06	4/29
28	5/15	5/08	5/02	4/28	4/23	4/19	4/15	4/09	4/02
24	4/28	4/16	4/08	3/31	3/24	3/17	3/10	3/02	2/18
20	3/27	3/10	2/26	2/15	2/04	1/23	1/08	12/12	0/00
16	2/25	2/07	1/24	1/11	12/27	12/06	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	9/11	9/19	9/25	9/30	10/05	10/10	10/15	10/21	10/29
32	9/28	10/06	10/11	10/16	10/21	10/25	10/30	11/04	11/12
28	10/17	10/24	10/30	11/03	11/07	11/11	11/16	11/21	11/28
24	11/04	11/13	11/19	11/25	11/30	12/06	12/11	12/18	12/27
20	11/20	12/05	12/16	12/26	1/05	1/16	1/31	0/00	0/00
16	11/26	12/13	12/27	1/09	1/24	2/19	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	149	139	132	126	121	115	109	102	92
32	188	176	168	160	153	147	139	131	119
28	230	218	210	203	197	191	184	176	164
24	298	282	270	260	250	241	231	219	203
20	>365	>365	>365	>365	330	310	294	277	257
16	>365	>365	>365	>365	>365	>365	>365	326	292

* 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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NWS Call Sign:

Elevation: 3,808 Feet Lat: 39°34N Lon: 121°06W

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	806	705	695	552	368	161	52	55	150	356	643	796	5339
60	651	565	556	411	237	75	11	12	72	234	497	641	3962
57	558	481	467	330	174	40	3	3	40	174	414	549	3233
55	496	427	410	280	138	25	1	1	26	140	360	490	2794
50	347	297	274	174	67	5	0	0	7	71	239	347	1828
32	17	20	17	7	0	0	0	0	0	0	17	32	110

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	233	239	329	446	667	863	1070	1058	897	687	365	260	7114
55	0	2	9	29	92	197	357	346	232	114	18	4	1400
57	0	0	4	19	66	153	297	286	187	86	12	1	1111
60	0	0	0	10	36	98	213	202	129	53	5	0	746
65	0	0	0	1	12	34	99	90	56	20	0	0	312
70	0	0	0	0	1	8	29	24	17	5	0	0	84

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	79	85	131	233	438	646	840	827	676	456	162	85	79	164	295	528	966	1612	2452	3279	3955	4411	4573	4658
45	25	34	54	128	297	496	685	672	527	319	78	28	25	59	113	241	538	1034	1719	2391	2918	3237	3315	3343
50	0	7	13	55	177	351	530	517	381	187	28	3	0	7	20	75	252	603	1133	1650	2031	2218	2246	2249
55	0	0	0	13	91	219	375	362	247	90	4	0	0	0	0	13	104	323	698	1060	1307	1397	1401	1401
60	0	0	0	1	36	109	230	215	131	37	0	0	0	0	0	1	37	146	376	591	722	759	759	759
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	63	67	100	170	284	403	536	524	432	296	108	68	63	130	230	400	684	1087	1623	2147	2579	2875	2983	3051

(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/normal/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