

**Climatography
 of the United States
 No. 20**

Station: POMONA FAIRPLEX, CA

1971-2000

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

COOP ID: 047050

Climate Division: CA 6

NWS Call Sign:

Elevation: 1,040 Feet

Lat: 34°05N

Lon: 117°46W

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	67.6	41.5	54.6	90	1987	26	59.8	1986	21	1963	13	50.2	1973	325	1	.0	@	30.8	.0	2.1	.0
Feb	69.0	43.5	56.3	94	1995	4	63.1	1991	23	1989	6	52.1	1975	252	7	.0	.3	28.0	.0	.7	.0
Mar	69.1	44.6	56.9	100	1988	26	62.0	1997	26+	1948	6	52.0	1973	249	12	@	.5	31.0	.0	.2	.0
Apr	74.1	46.9	60.5	104+	1989	7	65.0	1987	29	1953	9	52.2	1975	169	33	.1	1.4	30.0	.0	.0	.0
May	76.7	51.5	64.1	106	1984	29	70.5	1997	34+	1950	8	58.8	1977	101	72	.2	2.4	31.0	.0	.0	.0
Jun	82.3	55.1	68.7	106+	1950	29	74.8	1981	39+	1953	2	63.8	1982	31	142	.8	5.8	30.0	.0	.0	.0
Jul	88.7	58.8	73.8	112	1934	27	78.7	1984	41	1948	7	67.6	1987	3	273	1.2	13.4	31.0	.0	.0	.0
Aug	89.2	59.2	74.2	109	1967	29	77.5+	1998	43+	1950	12	69.7	1992	2	287	1.5	15.9	31.0	.0	.0	.0
Sep	86.7	58.0	72.4	113	1948	10	78.3	1984	38	1948	26	66.2	1986	11	231	2.5	12.5	30.0	.0	.0	.0
Oct	80.2	52.6	66.4	107	1950	12	70.4	1990	29	1935	31	62.9	1981	59	103	.4	5.8	31.0	.0	.0	.0
Nov	73.1	45.4	59.3	97+	1976	4	64.6	1976	24	1938	12	52.6	1994	198	25	.0	1.0	30.0	.0	.2	.0
Dec	68.3	41.0	54.7	93	1979	4	59.2	1977	22	1990	22	48.8	1971	327	5	.0	.1	30.8	.0	2.1	.0
Ann	77.1	49.8	63.5	113	Sep 1948	10	78.7	Jul 1984	21	Jan 1963	13	48.8	Dec 1971	1727	1191	6.7	59.1	364.6	.0	5.3	.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/normals/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1927-2001

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

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Precipitation (inches)

	Precipitation Totals								Mean Number of Days (3)		Precipitation Probabilities (1)													
	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	4.02	2.92	8.50	1934	1	13.79	1995	.00+	1994	6.4	5.6	2.4	1.5	.00	.00	.63	1.37	2.11	2.94	3.89	5.09	6.72	9.35	11.97
Feb	4.05	3.04	3.97	1983	27	16.14	1980	.00+	1994	5.5	4.7	2.9	1.4	.00	.00	.68	1.33	2.04	2.84	3.81	5.03	6.69	9.51	12.30
Mar	3.45	2.85	4.21	1938	3	11.87	1978	.00+	1989	5.8	4.4	2.2	1.1	.00	.19	.69	1.21	1.79	2.45	3.25	4.24	5.64	7.99	10.32
Apr	.73	.41	2.96	1931	27	3.87	1983	.00+	1994	3.3	2.0	.6	.2	.00	.00	.00	.06	.17	.32	.53	.82	1.24	2.02	2.82
May	.25	.06	1.34	1977	8	3.44	1977	.00+	1999	1.6	.7	.2	.1	.00	.00	.00	.00	.00	.02	.09	.20	.40	.79	1.22
Jun	.05	.00	.96	1993	5	.96	1993	.00+	2000	.5	.2	.1	@	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.27
Jul	.00	.00	.44	1965	30	.10	1976	.00+	2000	.2	@	.0	.0	**	**	**	**	**	**	**	**	**	**	
Aug	.13	.00	1.22	1977	18	2.40	1977	.00+	2000	.3	.2	.1	.1	.00	.00	.00	.00	.00	.00	.00	.00	.02	.29	.72
Sep	.29	.01	2.60	1939	25	2.86	1976	.00+	1996	1.0	.7	.2	.1	.00	.00	.00	.00	.00	.00	.02	.12	.36	.83	1.46
Oct	.66	.38	3.80	1934	18	3.22	1987	.00+	1999	1.9	1.1	.6	.2	.00	.00	.00	.05	.20	.37	.57	.82	1.16	1.75	2.32
Nov	1.29	.85	2.61	1946	14	4.75	1982	.00+	1992	3.1	2.2	1.0	.3	.00	.04	.19	.36	.57	.83	1.14	1.55	2.13	3.14	4.16
Dec	2.04	1.23	4.07	1951	30	6.78	1971	.00+	1986	3.9	3.1	1.5	.7	.00	.03	.21	.46	.77	1.17	1.69	2.38	3.40	5.18	7.01
Ann	16.96	16.00	8.50	Jan 1934	1	16.14	Feb 1980	.00+	Aug 2000	33.5	24.9	11.8	5.7	5.41	7.02	9.40	11.43	13.39	15.42	17.65	20.26	23.62	28.85	33.68

+ 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

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Snow (inches)																							
Snow Totals												Mean Number of Days (1)											
Means/Medians (1)					Extremes (2)												Snow Fall >= 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	
Feb	.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	
Apr	.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	
Jun	.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	
Aug	.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	
Oct	.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	
Dec	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	
Ann	.0	.0	N/A	N/A	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	

+ Also occurred on an earlier date(s) #Denotes trace amounts

(1) Derived from Snow Climatology and 1971-2000 daily data

@ Denotes mean number of days greater than 0 but less than .05

(2) Derived from 1971-2000 daily data

-9/-9.9 represents missing values

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Annual statistics for Mean/Median snow depths are not appropriate

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Freeze Data									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	4/08	3/30	3/23	3/17	3/12	3/07	3/01	2/23	2/13
32	3/05	2/18	2/07	1/28	1/19	1/09	12/29	12/14	0/00
28	1/30	1/11	12/20	0/00	0/00	0/00	0/00	0/00	0/00
24	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00
20	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00
16	0/00	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	11/04	11/12	11/17	11/21	11/25	11/29	12/04	12/09	12/16
32	12/03	12/09	12/13	12/17	12/21	12/25	12/30	1/06	0/00
28	12/24	1/10	2/01	0/00	0/00	0/00	0/00	0/00	0/00
24	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00
20	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00
16	0/00	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	289	278	270	264	257	251	245	237	226
32	>365	>365	>365	350	334	323	313	302	288
28	>365	>365	>365	>365	>365	>365	>365	>365	>365
24	>365	>365	>365	>365	>365	>365	>365	>365	>365
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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Base	Degree Days to Selected Base Temperatures (°F)												
	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	325	252	249	169	101	31	3	2	11	59	198	327	1727
60	184	136	145	81	34	6	0	0	0	15	101	191	893
57	116	86	93	43	15	1	0	0	0	5	59	127	545
55	81	59	63	26	8	0	0	0	0	2	38	93	370
50	20	15	17	6	0	0	0	0	0	0	10	30	98
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
32	699	679	770	854	995	1101	1293	1308	1211	1067	818	702	11497
55	67	93	121	190	290	411	580	595	521	356	166	82	3472
57	40	65	88	147	234	352	518	533	461	297	127	54	2916
60	15	31	47	95	161	267	425	440	371	214	79	25	2170
65	1	7	12	33	72	142	273	287	231	103	25	5	1191
70	0	0	1	8	20	57	139	150	117	34	5	0	531

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	457	480	541	634	765	867	1051	1077	987	850	586	459	457	937	1478	2112	2877	3744	4795	5872	6859	7709	8295	8754		
45	302	335	386	484	610	717	896	922	837	695	436	308	302	637	1023	1507	2117	2834	3730	4652	5489	6184	6620	6928		
50	163	198	233	336	455	567	741	767	687	540	287	168	163	361	594	930	1385	1952	2693	3460	4147	4687	4974	5142		
55	64	91	110	198	300	418	586	612	537	386	157	67	64	155	265	463	763	1181	1767	2379	2916	3302	3459	3526		
60	19	32	39	87	157	270	431	457	387	240	61	12	19	51	90	177	334	604	1035	1492	1879	2119	2180	2192		
Base	Growing Degree Units for Corn (Monthly)													Growing Degree Units for Corn (Accumulated Monthly)												
50/86	288	292	321	386	461	546	683	696	623	532	367	295	288	580	901	1287	1748	2294	2977	3673	4296	4828	5195	5490		

(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/normals/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 differences 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 are 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.

- a. Temperature/ Precipitation Tables
 1. 1971-2000 Monthly Normals
 2. Cooperative Summary of the Day
 3. National Weather Service station records
 4. 1971-2000 serially complete daily data
- b. Degree Day Table
 1. Monthly and Annual Heating and Cooling Degree Days Normals to Selected Bases derived from 1971-2000 Monthly Normals
 2. Daily Normal Growing Degree Units to Selected Base Temperatures derived from 1971-2000 serially complete daily data
- c. Snow Tables
 1. Snow Climatology
 2. Cooperative Summary of the Day
- d. Freeze Data Table
1971-2000 serially complete daily data

References

- U.S. Climate Normals 1971-2000, www.ncdc.noaa.gov/normals.html
- U.S. Climate Normals 1971-2000-Products Clim20, www.ncdc.noaa.gov/oa/climate/normals/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