

Climatology of the United States

No. 20

1971-2000

Station: CAMP PARDEE, CA

COOP ID: 041428

Climate Division: CA 5

NWS Call Sign:

Elevation: 658 Feet

Lat: 38°15N

Lon: 120°52W

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	53.8	37.8	45.8	71+	1981	19	51.9	1986	18	1962	22	39.9	1972	595	0	.0	.0	23.2	.0	4.7	.0
Feb	59.6	41.0	50.3	76+	1977	19	54.8	1991	22	1962	27	45.9	1971	412	0	.0	.0	26.7	@	1.3	.0
Mar	63.6	43.3	53.5	85	1986	29	58.6	1997	26	1953	2	48.7	1973	363	5	.0	.0	30.6	.0	.3	.0
Apr	70.6	45.8	58.2	99	1987	28	63.2	1987	32	1963	17	50.6	1975	227	22	.0	.3	29.9	.0	.0	.0
May	79.6	50.8	65.2	108	1984	29	71.5	1997	36	1975	4	57.7	1998	107	114	.6	5.3	31.0	.0	.0	.0
Jun	88.7	56.5	72.6	115+	1961	22	78.8	1981	41	1952	12	67.6	1998	14	242	3.8	14.3	30.0	.0	.0	.0
Jul	94.7	61.2	78.0	114+	1972	15	83.1	1984	48+	1964	4	73.0	1987	0	402	8.0	23.9	31.0	.0	.0	.0
Aug	93.6	60.9	77.3	112	1950	20	80.7	1996	45	1978	22	71.9	1976	0	378	6.8	22.1	31.0	.0	.0	.0
Sep	88.4	58.2	73.3	110	1955	3	78.1	1984	42+	1986	26	67.6	1986	8	256	2.4	14.3	30.0	.0	.0	.0
Oct	78.1	52.3	65.2	102+	2001	3	70.6	1991	32	1949	19	59.9	1984	102	108	.2	3.5	31.0	.0	.0	.0
Nov	63.2	44.2	53.7	87+	1967	4	59.5	1995	25	1977	19	48.3	1994	346	7	.0	.0	29.2	.0	.3	.0
Dec	54.3	38.0	46.2	72+	1979	4	51.1	1995	17	1972	9	39.3	1972	584	0	.0	.0	24.4	.1	4.5	.0
Ann	74.0	49.2	61.6	115+	Jun 1961	22	83.1	Jul 1984	17	Dec 1972	9	39.3	Dec 1972	2758	1534	21.8	83.7	348.0	.1	11.1	.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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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: CAMP PARDEE, CA

COOP ID: 041428

Climate Division: CA 5

NWS Call Sign:

Elevation: 658 Feet Lat: 38°15N

Lon: 120°52W

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	4.19	4.02	2.52	1997	2	10.51	1995	.31+	1984	10.9	7.8	3.0	1.0	.44	.75	1.33	1.91	2.54	3.25	4.08	5.12	6.53	8.88	11.17
Feb	3.87	3.33	2.37	1963	1	10.03	1986	.59	1988	9.3	7.0	3.0	1.0	.51	.82	1.38	1.92	2.48	3.11	3.84	4.73	5.94	7.93	9.84
Mar	3.98	4.17	2.13	1963	28	11.39	1991	.20+	1997	10.0	7.2	3.1	1.0	.37	.65	1.18	1.74	2.34	3.03	3.84	4.85	6.25	8.58	10.86
Apr	1.77	1.48	1.53	1982	1	5.22	1978	.09	1985	6.1	4.0	1.1	.2	.15	.27	.51	.75	1.02	1.33	1.69	2.15	2.79	3.84	4.88
May	.97	.47	5.33	1996	16	5.70	1996	.00+	1992	3.6	2.0	.6	.1	.00	.00	.05	.16	.30	.49	.75	1.11	1.63	2.58	3.57
Jun	.27	.13	1.37	1995	16	1.52	1995	.00+	1994	1.3	.7	.1	.1	.00	.00	.00	.01	.04	.10	.17	.29	.46	.79	1.13
Jul	.10	.00	1.10	1974	9	1.63	1974	.00+	2000	.5	.2	.1	@	.00	.00	.00	.00	.00	.00	.00	.00	.04	.27	.60
Aug	.10	.00	.73	1965	12	1.31	1975	.00+	2000	.5	.2	.1	.0	.00	.00	.00	.00	.00	.00	.00	.01	.09	.34	.64
Sep	.52	.07	2.41	1986	25	3.34	1986	.00+	1999	1.7	1.0	.3	.1	.00	.00	.00	.00	.00	.05	.19	.43	.85	1.66	2.55
Oct	1.34	1.07	2.39	1962	14	4.71	2000	.00+	1995	3.8	2.4	.9	.4	.00	.00	.12	.29	.51	.78	1.12	1.58	2.24	3.41	4.59
Nov	2.87	3.02	2.48	1969	6	8.43	1983	.25+	1995	7.8	5.3	2.1	.7	.29	.50	.89	1.29	1.73	2.21	2.79	3.51	4.49	6.12	7.71
Dec	3.01	2.59	2.35	1971	25	8.43	1996	.00	1989	9.3	6.2	1.8	.7	.18	.47	.94	1.39	1.85	2.37	2.97	3.72	4.72	6.38	7.98
Ann	22.99	19.89	5.33	May 1996	16	11.39	Mar 1991	.00+	Aug 2000	64.8	44.0	16.2	5.3	10.28	12.33	15.17	17.48	19.64	21.81	24.13	26.80	30.16	35.25	39.84

+ 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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1971-2000

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Station: CAMP PARDEE, CA

COOP ID: 041428

Climate Division: CA 5

NWS Call Sign:

Elevation: 658 Feet

Lat: 38° 15N

Lon: 120° 52W

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	#	1976	5	#	1976	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Mar	#	.0	0	0	#	1975	14	#	1975	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	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ann	#	.0	N/A	N/A	#+	Feb 1976	5	#+	Feb 1976	0	0	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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Climate Division: CA 5

NWS Call Sign:

Elevation: 658 Feet

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	4/24	4/13	4/05	3/29	3/23	3/17	3/10	3/03	2/20
32	3/11	2/26	2/18	2/10	2/03	1/27	1/20	1/11	12/30
28	2/05	1/24	1/14	1/04	12/25	12/10	0/00	0/00	0/00
24	12/26	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	11/05	11/12	11/17	11/21	11/25	11/28	12/03	12/07	12/14
32	11/20	11/30	12/06	12/12	12/18	12/23	12/29	1/06	1/17
28	12/08	12/20	12/29	1/07	1/18	2/05	0/00	0/00	0/00
24	1/03	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	286	272	262	254	246	238	229	219	205
32	>365	347	333	322	312	303	294	283	268
28	>365	>365	>365	>365	>365	>365	>365	349	326
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

Complete documentation available from:

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Climate Division: CA 5 NWS Call Sign: Elevation: 658 Feet Lat: 38°15N Lon: 120°52W

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	595	412	363	227	107	14	0	0	8	102	346	584	2758
60	440	274	226	123	45	3	0	0	1	43	217	430	1802
57	354	197	157	77	23	0	0	0	0	22	152	344	1326
55	298	150	120	52	15	0	0	0	0	13	115	287	1050
50	175	63	48	15	3	0	0	0	0	3	48	165	520
32	3	0	0	0	0	0	0	0	0	0	0	2	5

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	431	512	665	786	1030	1218	1425	1401	1238	1029	651	440	10826
55	13	18	72	148	331	528	712	688	548	329	76	13	3476
57	8	9	47	113	278	468	650	626	488	276	53	7	3023
60	0	2	23	69	207	380	557	533	399	204	28	1	2403
65	0	0	5	22	114	242	402	378	256	108	7	0	1534
70	0	0	0	5	49	128	253	229	135	45	1	0	845

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	212	326	435	567	802	993	1193	1166	1011	796	428	227	212	538	973	1540	2342	3335	4528	5694	6705	7501	7929	8156
45	97	190	282	418	647	843	1038	1011	861	641	282	104	97	287	569	987	1634	2477	3515	4526	5387	6028	6310	6414
50	34	79	151	272	493	693	883	856	711	486	155	34	34	113	264	536	1029	1722	2605	3461	4172	4658	4813	4847
55	1	22	61	148	341	543	728	701	561	338	64	0	1	23	84	232	573	1116	1844	2545	3106	3444	3508	3508
60	0	1	10	62	207	395	573	546	412	203	17	0	0	1	11	73	280	675	1248	1794	2206	2409	2426	2426
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	81	155	223	330	489	620	741	731	641	490	212	96	81	236	459	789	1278	1898	2639	3370	4011	4501	4713	4809

(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