

Climatology of the United States

No. 20 1971-2000

Station: OJAI, CA

COOP ID: 046399

Climate Division: CA 6

NWS Call Sign:

Elevation: 750 Feet

Lat: 34° 27N

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	68.1	36.9	52.5	90+	1976	17	57.5	1986	22+	1963	13	48.8	1973	388	0	.0	.1	30.8	.0	7.8	.0
Feb	69.2	39.6	54.4	90+	1996	7	59.4	1995	22	1989	6	50.3	1989	299	1	.0	.1	27.8	@	3.3	.0
Mar	70.2	41.7	56.0	98	1966	31	61.3	1972	27	1953	3	50.4	1991	289	9	.0	.2	31.0	.0	1.3	.0
Apr	75.0	44.0	59.5	104	1961	3	63.9	1992	29	1982	2	52.1	1975	190	25	.1	1.6	30.0	.0	.3	.0
May	77.5	48.4	63.0	105	1984	29	69.8	1997	36+	1991	3	59.1+	1977	125	63	.4	2.9	31.0	.0	.0	.0
Jun	83.5	52.4	68.0	110+	1990	26	74.4	1981	34	1950	23	62.0	1982	46	134	1.1	7.2	30.0	.0	.0	.0
Jul	88.9	55.7	72.3	112	1960	17	76.7	1984	43+	1955	5	67.6	1987	7	233	1.9	14.5	31.0	.0	.0	.0
Aug	90.1	55.9	73.0	111	1976	30	77.7	1998	41	1954	18	70.0	1989	6	253	2.6	16.0	31.0	.0	.0	.0
Sep	87.2	53.6	70.4	112	1955	6	78.5	1984	39	1985	12	65.3	1985	24	187	3.1	12.4	30.0	.0	.0	.0
Oct	81.9	47.3	64.6	107	1987	4	68.6	1991	30+	1979	30	60.5	1981	83	70	.8	6.3	31.0	.0	.2	.0
Nov	74.3	39.9	57.1	100	1997	1	62.0	1986	25	1958	17	51.3	1994	248	12	@	.9	30.0	.0	2.1	.0
Dec	69.3	35.8	52.6	94	1958	3	57.4	1977	16+	1990	23	46.9	1971	387	2	.0	.0	30.8	.0	8.0	.0
Ann	77.9	45.9	62.0	112+	1960	17	78.5	1984	16+	1990	23	46.9	1971	2092	989	10.0	62.2	364.4	@	23.0	.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

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: OJAI, CA

COOP ID: 046399

Climate Division: CA 6

NWS Call Sign:

Elevation: 750 Feet Lat: 34°27N

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	Median	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	4.81	3.32	7.10	1995	10	24.53	1995	.00+	1976	6.4	5.0	2.8	1.5	.00	.12	.63	1.27	2.05	3.00	4.19	5.75	7.98	11.87	15.81	
Feb	5.68	3.80	6.77	1978	10	23.76	1998	.00	1984	6.2	5.0	3.4	2.2	.04	.24	.79	1.50	2.38	3.47	4.86	6.70	9.37	14.04	18.80	
Mar	4.36	3.44	4.82	1995	11	14.50	1978	.00+	1997	6.8	5.2	2.6	1.5	.00	.20	.78	1.42	2.14	2.99	4.02	5.33	7.17	10.30	13.41	
Apr	1.04	.40	3.36	1958	1	4.43	1983	.00+	1997	2.9	1.9	.7	.3	.00	.00	.00	.08	.23	.45	.74	1.16	1.78	2.90	4.07	
May	.48	.08	2.40	1977	9	4.07	1998	.00+	2000	1.6	.9	.3	.1	.00	.00	.00	.00	.00	.05	.19	.41	.79	1.53	2.33	
Jun	.08	.00	.80	1993	5	.80	1993	.00+	2000	.6	.2	@	.0	.00	.00	.00	.00	.00	.00	.00	.04	.13	.28	.44	
Jul	.03	.00	.43	1992	13	.78	1992	.00+	2000	.3	.2	.0	.0	**	**	**	**	**	**	**	**	**	**	**	
Aug	.08	.00	.97	1983	19	1.22	1983	.00+	2000	.3	.2	@	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.16	.50	
Sep	.41	.01	3.20	1976	29	5.57	1976	.00+	2000	1.2	.6	.3	.1	.00	.00	.00	.00	.00	.00	.05	.22	.57	1.33	2.19	
Oct	.57	.26	3.14	1996	30	3.32	1996	.00+	2000	2.0	1.2	.3	.2	.00	.00	.00	.00	.04	.20	.40	.66	1.03	1.67	2.30	
Nov	1.46	1.02	4.11	1966	7	5.72	1982	.00+	2000	3.2	2.4	1.1	.4	.00	.00	.07	.29	.56	.88	1.27	1.78	2.50	3.71	4.97	
Dec	2.79	1.44	5.30	1974	4	9.15	1971	.00+	1999	4.3	3.1	1.7	1.0	.00	.05	.31	.66	1.10	1.65	2.36	3.29	4.64	7.02	9.45	
Ann	21.79	17.61	7.10	Jan 1995	10	24.53	Jan 1995	.00+	Nov 2000	35.8	25.9	13.2	7.3	6.83	8.90	11.97	14.60	17.14	19.78	22.67	26.06	30.44	37.25	43.56	

+ 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

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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	.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	.0	N/A	N/A	.0	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

@ 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

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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	5/08	4/29	4/22	4/16	4/11	4/05	3/31	3/24	3/15
32	4/09	3/28	3/20	3/12	3/05	2/26	2/19	2/10	1/29
28	2/17	2/06	1/28	1/20	1/13	1/05	12/28	12/16	0/00
24	1/15	12/30	12/12	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	10/21	10/27	11/01	11/04	11/08	11/12	11/15	11/20	11/26
32	10/29	11/07	11/13	11/18	11/23	11/28	12/04	12/10	12/18
28	11/21	11/29	12/06	12/11	12/16	12/22	12/29	1/08	0/00
24	12/16	12/30	1/15	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	247	234	225	218	210	203	196	187	174
32	300	287	278	270	262	255	247	237	224
28	>365	>365	>365	350	335	324	314	304	291
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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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
65	388	299	289	190	125	46	7	6	24	83	248	387	2092
60	238	171	162	95	51	12	0	0	5	24	135	244	1137
57	157	109	105	53	24	4	0	0	0	9	85	169	715
55	112	77	74	32	14	1	0	0	0	3	58	128	499
50	35	20	21	8	2	0	0	0	0	0	17	51	154
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	636	627	742	825	961	1078	1249	1270	1153	1010	754	638	10943
55	35	59	103	168	261	389	536	557	463	301	122	53	3047
57	17	35	73	128	209	332	474	495	403	244	89	32	2531
60	6	14	36	80	143	249	381	402	318	166	49	14	1858
65	0	1	9	25	63	134	233	253	187	70	12	2	989
70	0	0	0	6	18	55	110	125	92	19	1	0	426

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	386	417	493	580	711	834	1001	1027	919	774	523	395	386	803	1296	1876	2587	3421	4422	5449	6368	7142	7665	8060
45	237	273	338	431	556	684	846	872	769	619	373	243	237	510	848	1279	1835	2519	3365	4237	5006	5625	5998	6241
50	112	143	188	284	401	534	691	717	619	464	224	118	112	255	443	727	1128	1662	2353	3070	3689	4153	4377	4495
55	33	53	78	152	249	384	536	562	469	311	107	37	33	86	164	316	565	949	1485	2047	2516	2827	2934	2971
60	2	12	22	62	121	238	381	407	319	168	36	2	2	14	36	98	219	457	838	1245	1564	1732	1768	1770
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	280	279	319	374	436	516	625	639	563	486	363	296	280	559	878	1252	1688	2204	2829	3468	4031	4517	4880	5176

(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 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.

- | | |
|---|---|
| <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