

Climatology of the United States

No. 20

1971-2000

Station: INYOKERN, CA

COOP ID: 044278

Climate Division: CA 7

NWS Call Sign:

Elevation: 2,440 Feet Lat: 35° 39N

Lon: 117° 49W

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	60.3	31.1	45.7	80	1971	20	50.5	1986	1	1963	13	40.8	1979	599	0	.0	.0	27.9	.0	19.1	.0
Feb	65.9	35.1	50.5	86	1986	26	56.6	1995	9	1949	12	46.5	1979	406	0	.0	.0	27.2	.1	10.4	.0
Mar	71.1	39.3	55.2	93	1966	31	61.7	1972	15	1971	2	49.6	1973	322	18	.0	.1	30.8	.0	4.7	.0
Apr	78.6	44.6	61.6	100	1981	30	70.0	1989	24+	1999	11	53.2	1975	175	73	@	3.0	30.0	.0	1.4	.0
May	87.1	53.0	70.1	108	2000	28	76.7	1997	26	1977	9	61.0	1977	59	215	1.7	13.3	31.0	.0	.1	.0
Jun	97.0	60.3	78.7	117	1949	29	83.2	1981	38	1967	2	73.5	1998	2	412	11.9	25.6	30.0	.0	.0	.0
Jul	102.9	66.0	84.5	119	1972	30	88.0	1996	46	1956	31	79.6	1987	0	603	22.4	30.6	31.0	.0	.0	.0
Aug	101.1	64.8	83.0	114+	1981	8	86.3	1998	45+	1978	23	77.1	1976	0	558	19.9	30.0	31.0	.0	.0	.0
Sep	94.1	58.3	76.2	110+	1971	14	79.6	1991	35	1977	29	70.8	1985	3	339	7.0	22.6	30.0	.0	.0	.0
Oct	83.2	48.2	65.7	105+	1980	1	72.1	1988	20	1971	30	60.5	1971	94	115	.5	7.5	31.0	.0	.5	.0
Nov	69.2	36.9	53.1	88	1962	1	60.1	1995	14+	1979	20	45.8	1994	366	7	.0	.0	29.9	.0	8.6	.0
Dec	60.5	30.4	45.5	84	1964	23	50.4	1980	5+	1990	23	39.3	1990	607	0	.0	.0	28.3	.0	20.2	.0
Ann	80.9	47.3	64.2	119	Jul 1972	30	88.0	Jul 1996	1	Jan 1963	13	39.3	Dec 1990	2633	2340	63.4	132.7	358.1	.1	65.0	.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

099-A

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: INYOKERN, CA

COOP ID: 044278

Climate Division: CA 7

NWS Call Sign:

Elevation: 2,440 Feet Lat: 35°39N

Lon: 117°49W

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	.89	.39	1.17	1974	8	4.55	1995	.00+	1984	3.5	2.3	.9	.2	.00	.00	.01	.10	.24	.42	.67	1.02	1.53	2.44	3.40
Feb	1.11	.39	2.13	1976	6	4.58	1980	.00+	1997	3.6	1.9	.7	.2	.00	.00	.00	.06	.21	.45	.77	1.23	1.91	3.15	4.43
Mar	.81	.39	2.01	1983	1	3.77	1978	.00+	1997	3.6	1.7	.6	.1	.00	.00	.03	.11	.23	.39	.61	.92	1.37	2.18	3.03
Apr	.19	.00	1.11	1965	4	1.05	1999	.00+	1998	1.1	.6	.1	.0	.00	.00	.00	.00	.00	.00	.05	.16	.33	.62	.92
May	.10	.00	.65	1977	8	.79	1977	.00+	2000	1.0	.3	@	.0	.00	.00	.00	.00	.00	.00	.02	.08	.17	.34	.51
Jun	.02	.00	.20	1982	19	.20	1982	.00+	2000	.3	.1	.0	.0	.00	.00	.00	.00	.00	.00	.00	.00	.01	.06	.11
Jul	.12	.00	.95	1969	21	1.51	1984	.00+	2000	.7	.4	.1	.0	.00	.00	.00	.00	.00	.00	.00	.04	.15	.40	.68
Aug	.34	.01	2.39	1984	15	2.91	1977	.00+	1999	1.0	.5	.2	.1	.00	.00	.00	.00	.00	.00	.03	.16	.45	1.04	1.78
Sep	.25	.01	1.25	1976	10	1.71	1976	.00+	2000	1.1	.7	.1	.1	.00	.00	.00	.00	.00	.02	.08	.20	.41	.82	1.26
Oct	.07	.00	.70	1974	7	.70	1974	.00+	2000	.7	.2	@	.0	.00	.00	.00	.00	.00	.00	.01	.04	.11	.23	.36
Nov	.28	.10	1.04	1984	21	1.60	1972	.00+	2000	1.5	.8	.2	@	.00	.00	.00	.00	.00	.08	.18	.31	.50	.83	1.17
Dec	.55	.32	1.50	1983	25	2.34	1992	.00+	2000	2.3	1.4	.3	.1	.00	.00	.00	.00	.07	.21	.39	.63	.99	1.60	2.23
Ann	4.73	3.94	2.39	Aug 1984	15	4.58	Feb 1980	.00+	Dec 2000	20.4	10.9	3.2	.8	.96	1.39	2.08	2.72	3.36	4.04	4.82	5.75	6.98	8.95	10.82

+ 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

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Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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Station: INYOKERN, CA

COOP ID: 044278

Climate Division: CA 7

NWS Call Sign:

Elevation: 2,440 Feet

Lat: 35° 39N

Lon: 117° 49W

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	.3	.0	#	0	4.5	1995	4	4.5	1995	8	1974	5	#+	1977	.1	.1	@	.0	.0	@	.0	.0	.0
Feb	.0	.0	#	0	.5	1983	3	.5	1983	4	1989	9	#	1989	@	.0	.0	.0	.0	.0	.0	.0	.0
Mar	#	.0	#	0	#	1974	8	#	1974	2	1977	25	#	1977	.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	.2	.0	#	0	4.0	1995	23	4.0	1995	4	1984	20	#	1984	.1	.1	.1	.0	.0	.0	.0	.0	.0
Ann	.5	.0	N/A	N/A	4.5	Jan 1995	4	4.5	Jan 1995	8	Jan 1974	5	#+	Feb 1989	.2	.2	.1	.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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No. 20
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Climate Division: CA 7

NWS Call Sign:

Elevation: 2,440 Feet

Lat: 35°39N

Lon: 117°49W

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	5/17	5/07	4/30	4/24	4/19	4/13	4/07	3/31	3/21
32	4/24	4/15	4/08	4/03	3/28	3/23	3/17	3/10	3/01
28	4/05	3/25	3/17	3/10	3/04	2/25	2/18	2/10	1/30
24	3/11	3/01	2/22	2/15	2/09	2/03	1/28	1/21	1/10
20	2/12	2/02	1/25	1/18	1/11	1/02	12/17	0/00	0/00
16	2/01	1/16	1/01	12/16	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	10/12	10/17	10/21	10/24	10/27	10/30	11/02	11/06	11/11
32	10/24	10/29	11/02	11/05	11/08	11/11	11/14	11/18	11/23
28	11/06	11/12	11/15	11/19	11/22	11/25	11/28	12/02	12/07
24	11/12	11/19	11/25	11/29	12/04	12/08	12/12	12/18	12/25
20	11/25	12/04	12/11	12/18	12/25	1/03	0/00	0/00	0/00
16	12/06	12/18	12/30	1/13	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	226	214	205	198	191	184	176	167	155
32	256	245	237	230	224	218	211	203	193
28	302	288	279	270	262	255	246	237	223
24	333	321	312	304	297	289	282	272	260
20	>365	>365	>365	>365	>365	346	327	310	291
16	>365	>365	>365	>365	>365	>365	>365	358	320

* 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	Ann
65	599	406	322	175	59	2	0	0	3	94	366	607	2633
60	444	270	200	96	23	0	0	0	0	39	237	453	1762
57	356	195	142	60	12	0	0	0	0	20	172	366	1323
55	298	149	110	41	7	0	0	0	0	12	134	309	1060
50	170	64	45	15	1	0	0	0	0	3	63	185	546
32	2	0	0	0	0	0	0	0	0	0	0	4	6

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	426	518	719	888	1179	1400	1626	1581	1326	1044	631	420	11758
55	9	23	116	239	473	710	913	868	636	343	75	13	4418
57	5	13	87	198	416	650	851	806	576	289	52	8	3951
60	0	4	51	144	334	560	758	713	486	215	28	1	3294
65	0	0	18	73	215	412	603	558	339	115	7	0	2340
70	0	0	5	29	123	271	448	403	204	49	1	0	1533

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	197	318	479	651	939	1164	1378	1335	1096	805	399	196	197	515	994	1645	2584	3748	5126	6461	7557	8362	8761	8957
45	88	186	326	502	784	1014	1223	1180	946	650	260	84	88	274	600	1102	1886	2900	4123	5303	6249	6899	7159	7243
50	28	89	188	358	630	864	1068	1025	796	495	146	25	28	117	305	663	1293	2157	3225	4250	5046	5541	5687	5712
55	2	27	88	226	477	714	913	870	646	349	62	2	2	29	117	343	820	1534	2447	3317	3963	4312	4374	4376
60	0	2	28	116	330	565	758	715	496	214	20	0	0	2	30	146	476	1041	1799	2514	3010	3224	3244	3244
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	171	243	335	437	596	696	817	797	667	520	298	174	171	414	749	1186	1782	2478	3295	4092	4759	5279	5577	5751

(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