

Climatography of the United States

No. 20

1971-2000

Station: MOJAVE, CA

COOP ID: 045756

Climate Division: CA 7

NWS Call Sign:

Elevation: 2,735 Feet Lat: 35°03N

Lon: 118°10W

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	58.1	34.1	46.1	79	1969	8	52.0	1986	11	1973	5	41.4	1979	586	0	.0	.0	26.4	.0	14.2	.0
Feb	62.0	37.1	49.6	90	1981	18	54.5	1995	16+	1989	7	44.5	1979	433	0	.0	@	26.1	.1	7.7	.0
Mar	65.8	40.8	53.3	89	1966	31	60.5	1972	17	1971	2	46.9	1977	376	13	.0	.0	30.1	.0	3.5	.0
Apr	72.3	45.6	59.0	94+	1994	17	67.8	1989	27	1972	20	51.5	1975	232	50	.0	.6	29.7	.0	.6	.0
May	80.8	53.7	67.3	101+	2001	31	74.6	1997	34+	1995	14	58.8	1977	94	163	.2	4.8	30.9	.0	.0	.0
Jun	90.5	62.2	76.4	112+	1994	29	80.5	1981	38	1967	1	71.3	1998	4	343	3.5	16.8	30.0	.0	.0	.0
Jul	97.1	67.3	82.2	111	1972	14	87.5	1996	43	1979	6	76.4	1983	0	533	10.4	27.3	31.0	.0	.0	.0
Aug	96.1	65.8	81.0	110	1994	15	85.5	1994	48	1978	13	74.9	1976	0	494	9.1	26.3	31.0	.0	.0	.0
Sep	89.5	59.3	74.4	107	1971	14	79.0	1974	38	1973	24	68.1	1986	10	291	1.5	16.0	30.0	.0	.0	.0
Oct	78.7	49.0	63.9	100+	1980	4	69.6	1988	22	1971	30	58.9	1971	121	86	.1	3.3	31.0	.0	.3	.0
Nov	65.7	39.1	52.4	86+	1967	1	59.2	1995	13	1979	24	45.0	1994	381	3	.0	.0	29.5	.0	5.3	.0
Dec	58.4	33.1	45.8	79	1977	6	52.1	1977	8	1990	23	39.6	1990	598	0	.0	.0	26.3	.1	15.1	.0
Ann	76.3	48.9	62.6	112+	Jun 1994	29	87.5	Jul 1996	8	Dec 1990	23	39.6	Dec 1990	2835	1976	24.8	95.1	352.0	.2	46.7	.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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National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MOJAVE, CA

COOP ID: 045756

Climate Division: CA 7

NWS Call Sign:

Elevation: 2,735 Feet Lat: 35°03N

Lon: 118°10W

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	1.34	.65	1.61	1995	5	6.46	1995	.00+	1984	4.8	2.9	.9	.2	.00	.00	.10	.26	.47	.74	1.09	1.56	2.25	3.47	4.73
Feb	1.51	.51	2.67	1978	10	6.85	1998	.00+	1997	4.4	2.8	1.0	.5	.00	.01	.07	.20	.40	.68	1.07	1.64	2.50	4.11	5.81
Mar	1.13	.82	2.88	1983	1	4.43	1983	.00+	1997	4.1	2.4	.8	.2	.00	.00	.00	.13	.35	.61	.94	1.37	1.97	3.02	4.05
Apr	.22	.09	1.13	1965	3	1.15	1982	.00+	2000	1.8	.6	@	.0	.00	.00	.00	.00	.03	.09	.16	.25	.39	.62	.86
May	.15	.03	1.10	1977	9	1.28	1977	.00+	1999	1.1	.5	@	@	.00	.00	.00	.00	.00	.01	.06	.13	.25	.47	.71
Jun	.05	.00	.40	1984	4	.40+	1993	.00+	2000	.3	.2	.0	.0	**	**	**	**	**	**	**	**	**	**	**
Jul	.16	.00	1.16	1984	30	2.43	1984	.00+	2000	.5	.3	.1	@	.00	.00	.00	.00	.00	.00	.00	.00	.04	.45	.96
Aug	.27	.00	1.94	1995	20	2.02	1983	.00+	1999	.7	.4	.2	.1	.00	.00	.00	.00	.00	.00	.00	.06	.29	.89	1.56
Sep	.28	.03	1.23	1976	11	2.94	1976	.00+	2000	1.2	.6	.2	.1	.00	.00	.00	.00	.00	.01	.08	.22	.45	.89	1.36
Oct	.28	.06	1.92	1981	1	1.99	1981	.00+	1999	1.2	.7	.1	.1	.00	.00	.00	.00	.00	.03	.13	.27	.49	.89	1.30
Nov	.43	.32	1.98	1967	19	1.47	1982	.00+	2000	2.0	1.1	.2	.0	.00	.00	.00	.00	.08	.20	.35	.53	.79	1.22	1.64
Dec	.81	.58	2.40	1965	29	3.35	1984	.00+	2000	3.0	1.9	.4	.1	.00	.00	.06	.22	.38	.55	.76	1.02	1.38	1.97	2.57
Ann	6.63	5.64	2.88	Mar 1983	1	6.85	Feb 1998	.00+	Dec 2000	25.1	14.4	3.9	1.3	1.30	1.90	2.87	3.77	4.67	5.64	6.74	8.06	9.81	12.62	15.29

+ 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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Station: MOJAVE, CA

COOP ID: 045756

Climate Division: CA 7

NWS Call Sign:

Elevation: 2,735 Feet

Lat: 35°03N

Lon: 118°10W

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	.7	.0	#	0	7.0	1979	30	7.0+	1979	1	1979	28	#	1979	.3	.3	.1	.1	.0	.0	.0	.0	.0
Feb	.0	.0	#	0	1.0	1993	28	1.0	1993	5	1983	3	#+	1993	@	@	.0	.0	.0	@	.0	.0	.0
Mar	.1	.0	#	0	3.1	1991	27	3.1	1991	3	1991	27	#	1991	@	@	@	.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	.1	.0	#	0	2.0	1995	23	2.0	1995	3	1990	20	#+	1995	.1	.1	.0	.0	.0	.1	.0	.0	.0
Ann	.9	.0	N/A	N/A	7.0	Jan 1979	30	7.0+	Jan 1979	5	Feb 1983	3	#+	Dec 1995	.4	.4	.1	.1	.0	.1	@	.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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NWS Call Sign:

Elevation: 2,735 Feet

Lat: 35°03N

Lon: 118°10W

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	5/11	5/02	4/25	4/20	4/14	4/09	4/04	3/28	3/19
32	4/17	4/08	4/01	3/26	3/20	3/14	3/08	3/01	2/20
28	3/28	3/17	3/08	3/01	2/22	2/16	2/09	1/31	1/19
24	3/06	2/20	2/10	2/01	1/23	1/14	1/04	12/23	11/30
20	2/07	1/24	1/13	1/01	12/15	0/00	0/00	0/00	0/00
16	1/04	12/12	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	10/19	10/23	10/27	10/29	11/01	11/04	11/07	11/10	11/14
32	10/29	11/02	11/06	11/09	11/12	11/14	11/17	11/21	11/26
28	11/05	11/11	11/15	11/18	11/21	11/24	11/27	12/01	12/06
24	11/21	11/30	12/06	12/11	12/17	12/22	12/28	1/06	0/00
20	12/09	12/18	12/26	1/04	1/18	0/00	0/00	0/00	0/00
16	12/17	1/15	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	232	221	213	206	200	194	187	179	168
32	272	260	251	243	236	229	221	212	200
28	308	295	286	278	271	263	256	246	234
24	>365	>365	>365	341	326	315	303	291	275
20	>365	>365	>365	>365	>365	>365	>365	350	311
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	Ann
65	586	433	376	232	94	4	0	0	10	121	381	598	2835
60	431	295	246	141	42	0	0	0	2	53	246	446	1902
57	344	218	181	97	24	0	0	0	0	28	175	360	1427
55	286	170	145	72	16	0	0	0	0	16	135	304	1144
50	161	78	71	29	5	0	0	0	0	3	60	184	591
32	1	0	0	0	0	0	0	0	0	0	0	5	6

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	438	491	660	808	1092	1329	1556	1517	1271	988	612	430	11192
55	10	18	92	190	395	639	843	804	581	291	56	17	3936
57	6	9	67	155	341	579	781	742	521	241	37	10	3489
60	0	3	38	109	266	490	688	649	433	173	17	4	2870
65	0	0	13	50	163	343	533	494	291	86	3	0	1976
70	0	0	3	19	85	208	379	342	169	33	0	0	1238

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	202	285	422	574	839	1103	1330	1290	1046	752	380	202	202	487	909	1483	2322	3425	4755	6045	7091	7843	8223	8425
45	91	161	277	429	684	953	1175	1135	896	600	244	89	91	252	529	958	1642	2595	3770	4905	5801	6401	6645	6734
50	30	71	154	294	531	803	1020	980	746	446	129	26	30	101	255	549	1080	1883	2903	3883	4629	5075	5204	5230
55	2	20	65	171	386	653	865	825	596	303	51	0	2	22	87	258	644	1297	2162	2987	3583	3886	3937	3937
60	0	1	21	86	254	503	710	670	448	181	12	0	0	1	22	108	362	865	1575	2245	2693	2874	2886	2886
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	136	180	254	353	535	715	850	828	680	474	242	140	136	316	570	923	1458	2173	3023	3851	4531	5005	5247	5387

(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