

Climatology of the United States

No. 20

1971-2000

Station: LOS ANGELES INTL AP, CA

COOP ID: 045114

Climate Division: CA 6

NWS Call Sign: LAX

Elevation: 100 Feet

Lat: 33° 56N

Lon: 118° 24W

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	65.6	48.6	57.1	88+	1986	11	62.3	1986	27	1949	4	53.9	1972	252	4	.0	.0	31.0	.0	.0	.0
Feb	65.8	50.1	58.0	92	1963	3	61.7	1995	34+	1949	14	54.2	1979	205	6	.0	@	28.1	.0	.0	.0
Mar	65.3	51.3	58.3	95	1988	26	62.5	1988	35	1945	5	55.0	1991	200	6	.0	.1	31.0	.0	.0	.0
Apr	68.0	53.6	60.8	102	1989	6	65.6	1992	42+	1998	1	56.7	1975	141	15	.1	.3	30.0	.0	.0	.0
May	69.3	56.9	63.1	97+	1979	13	67.6	1997	45	1964	7	60.1	1980	78	19	.0	.1	31.0	.0	.0	.0
Jun	72.6	60.1	66.4	104	1981	16	71.9	1981	48	1950	8	63.6	1982	19	58	.1	.5	30.0	.0	.0	.0
Jul	75.3	63.3	69.3	97+	1985	1	71.7	1981	52+	1948	6	66.3	1987	1	135	.0	.2	31.0	.0	.0	.0
Aug	76.8	64.5	70.7	98	1955	31	74.7	1994	51	1948	9	67.7+	1989	0	175	.0	.5	31.0	.0	.0	.0
Sep	76.5	63.6	70.1	110	1963	26	76.5	1984	47	1948	26	65.8	1986	2	154	.2	1.5	30.0	.0	.0	.0
Oct	74.3	59.4	66.9	106	1961	14	69.6	1990	43+	1971	30	63.7	2000	21	81	.1	1.3	31.0	.0	.0	.0
Nov	70.4	52.7	61.6	101	1966	1	65.9	1976	38+	1964	19	57.9	1994	121	22	.0	.5	30.0	.0	.0	.0
Dec	66.7	48.5	57.6	94	1958	3	60.9	1977	32	1968	21	52.7	1971	234	4	.0	@	31.0	.0	.0	.0
Ann	70.6	56.1	63.3	110	Sep 1963	26	76.5	Sep 1984	27	Jan 1949	4	52.7	Dec 1971	1274	679	.5	5.0	365.1	.0	.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: 1944-2001

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

Climatography of the United States

No. 20 1971-2000

Station: LOS ANGELES INTL AP, CA

COOP ID: 045114

Climate Division: CA 6

NWS Call Sign: LAX

Elevation: 100 Feet Lat: 33°56N

Lon: 118°24W

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	2.98	1.61	4.56	1956	26	12.71	1995	.00+	1976	6.4	4.6	2.0	1.0	.00	.08	.41	.81	1.29	1.88	2.62	3.57	4.95	7.33	9.74	
Feb	3.11	2.34	3.91	1962	8	13.79	1998	.01	1984	6.3	4.8	2.1	.9	.06	.15	.42	.78	1.24	1.82	2.58	3.61	5.11	7.78	10.54	
Mar	2.40	2.26	3.10	1968	7	6.37	1983	.00+	1997	6.5	4.6	1.8	.5	.00	.12	.46	.81	1.21	1.67	2.23	2.94	3.93	5.60	7.26	
Apr	.63	.38	1.35	1999	11	3.18	1983	.00+	1997	2.6	1.6	.4	.1	.00	.00	.00	.00	.16	.33	.52	.78	1.13	1.72	2.30	
May	.24	.02	1.67	1977	8	2.55	1977	.00+	2000	1.3	.4	.2	@	.00	.00	.00	.00	.00	.00	.04	.13	.33	.66	1.16	
Jun	.08	.00	.74	1993	5	.74	1993	.00+	2000	.5	.2	@	.0	.00	.00	.00	.00	.00	.00	.00	.00	.06	.27	.53	
Jul	.03	.00	.28	1992	12	.32	1992	.00+	2000	.4	.1	.0	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.17	
Aug	.14	.00	2.10	1977	17	2.47	1977	.00+	1999	.5	.2	.1	.1	.00	.00	.00	.00	.00	.00	.00	.00	.03	.34	.88	
Sep	.26	.03	1.66	1983	30	1.91	1983	.00+	1999	1.2	.4	.1	.1	.00	.00	.00	.00	.00	.01	.07	.18	.39	.82	1.30	
Oct	.36	.18	1.75	1972	18	1.74	1987	.00+	1999	2.0	.8	.2	.1	.00	.00	.00	.03	.09	.18	.28	.43	.63	1.00	1.37	
Nov	1.13	.70	5.60	1967	21	4.75	1985	.00+	2000	3.1	2.0	.8	.3	.00	.00	.00	.16	.37	.63	.95	1.36	1.95	2.99	4.02	
Dec	1.79	1.29	2.84	1951	29	5.70	1971	.00+	2000	4.7	2.9	1.3	.5	.00	.00	.25	.53	.84	1.20	1.64	2.20	2.98	4.32	5.65	
Ann	13.15	11.71	5.60	Nov 1967	21	13.79	Feb 1998	.00+	Dec 2000	35.5	22.6	9.0	3.6	4.40	5.65	7.47	9.02	10.51	12.04	13.71	15.67	18.19	22.09	25.68	

+ 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

(2) Derived from station's available digital record: 1944-2001

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

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20

1971-2000

Station: LOS ANGELES INTL AP, CA

COOP ID: 045114

Climate Division: CA 6

NWS Call Sign: LAX

Elevation: 100 Feet

Lat: 33°56N

Lon: 118°24W

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

Complete documentation available from:

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

Climatography of the United States No. 20 1971-2000

Station: LOS ANGELES INTL AP, CA

COOP ID: 045114

Climate Division: CA 6

NWS Call Sign: LAX

Elevation: 100 Feet

Lat: 33° 56N

Lon: 118° 24W

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	1/16	1/02	0/00	0/00	0/00	0/00	0/00	0/00	0/00
32	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00
28	0/00	0/00	0/00	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	12/26	1/07	0/00	0/00	0/00	0/00	0/00	0/00	0/00
32	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00
28	0/00	0/00	0/00	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	>365	>365	>365	>365	>365	>365	>365	>365	>365
32	>365	>365	>365	>365	>365	>365	>365	>365	>365
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

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatology of the United States

No. 20 1971-2000

Station: LOS ANGELES INTL AP, CA

COOP ID: 045114

Climate Division: CA 6

NWS Call Sign: LAX

Elevation: 100 Feet

Lat: 33° 56N

Lon: 118° 24W

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	252	205	200	141	78	19	1	0	2	21	121	234	1274
60	117	88	95	53	25	7	0	0	1	3	51	111	551
57	64	44	48	20	8	1	0	0	0	0	22	60	267
55	36	22	25	9	3	0	0	0	0	0	11	33	139
50	5	3	4	0	0	0	0	0	0	0	1	5	18
32	0	0	0	0	0	0	0	0	0	0	0	0	0

Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	778	728	817	864	965	1030	1157	1198	1142	1079	888	794	11440
55	94	99	115	177	252	340	444	485	452	366	201	105	3130
57	60	62	70	123	190	280	382	423	392	305	147	65	2499
60	27	28	27	59	104	191	289	330	302	213	80	27	1677
65	4	6	6	15	19	58	135	175	154	81	22	4	679
70	0	1	1	3	3	11	25	50	49	21	5	0	169

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	541	530	577	634	724	799	918	958	910	843	658	553	541	1071	1648	2282	3006	3805	4723	5681	6591	7434	8092	8645
45	386	385	422	484	569	649	763	803	760	688	508	398	386	771	1193	1677	2246	2895	3658	4461	5221	5909	6417	6815
50	232	240	267	334	414	499	608	648	610	533	358	245	232	472	739	1073	1487	1986	2594	3242	3852	4385	4743	4988
55	101	111	122	186	259	349	453	493	460	378	209	110	101	212	334	520	779	1128	1581	2074	2534	2912	3121	3231
60	31	31	33	65	110	199	298	338	310	223	86	29	31	62	95	160	270	469	767	1105	1415	1638	1724	1753
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	270	266	283	336	414	495	608	648	603	527	367	287	270	536	819	1155	1569	2064	2672	3320	3923	4450	4817	5104

(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