

Climatography of the United States

No. 20

1971-2000

Station: LINDSAY, CA

COOP ID: 044957

Climate Division: CA 5

NWS Call Sign:

Elevation: 420 Feet Lat: 36°12N Lon: 119°03W

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	57.8	36.4	47.1	78+	1986	28	51.8	1986	19+	1963	13	40.6	1972	556	0	.0	.0	26.6	.0	10.0	.0
Feb	64.8	38.9	51.9	84+	1977	19	55.9	1991	22	1989	7	47.3	1971	368	0	.0	.0	27.6	.1	4.7	.0
Mar	69.7	42.2	56.0	89+	1969	29	61.4	1997	25+	1977	2	51.0	1973	291	11	.0	.0	31.0	.0	1.6	.0
Apr	77.3	45.0	61.2	100+	1987	28	67.3	1987	26	1955	3	56.0	1975	160	44	.1	2.3	30.0	.0	.2	.0
May	85.2	50.8	68.0	106+	1951	26	74.9	1992	34+	1975	5	61.9	1998	58	151	1.0	9.8	31.0	.0	.0	.0
Jun	92.9	56.8	74.9	112+	1964	25	78.8	1977	40+	1971	1	70.8	1980	3	298	5.7	20.5	30.0	.0	.0	.0
Jul	97.6	61.4	79.5	112+	1960	21	83.4	1988	46	1948	5	74.9	1983	0	450	11.5	28.7	31.0	.0	.0	.0
Aug	96.3	59.9	78.1	110+	1996	13	82.1	1998	45	1978	17	74.1	1976	0	407	8.2	27.2	31.0	.0	.0	.0
Sep	91.2	55.2	73.2	109	1977	7	77.5	1991	35	1948	26	66.2	1986	10	257	2.9	18.8	30.0	.0	.0	.0
Oct	81.3	47.3	64.3	102	1987	1	69.5	1987	30+	1971	29	59.5	1984	108	86	.4	4.9	31.0	.0	.1	.0
Nov	66.8	39.0	52.9	90+	1949	6	57.2	1995	24+	1994	20	46.4	1994	365	3	.0	.0	29.7	.0	4.6	.0
Dec	57.8	34.4	46.1	82	1981	19	52.4	1977	17	1990	24	41.3	1990	586	0	.0	.0	26.4	.0	12.7	.0
Ann	78.2	47.3	62.8	112+	Jun 1964	25	83.4	Jul 1988	17	Dec 1990	24	40.6	Jan 1972	2505	1707	29.8	112.2	355.3	.1	33.9	.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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No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: LINDSAY, CA

COOP ID: 044957

Climate Division: CA 5

NWS Call Sign:

Elevation: 420 Feet Lat: 36°12N

Lon: 119°03W

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	2.44	2.26	2.47	1969	19	5.96	1999	.00	1976	9.1	5.1	1.8	.4	.13	.36	.73	1.09	1.48	1.90	2.40	3.01	3.85	5.23	6.57
Feb	2.25	2.10	2.22	1978	10	5.84	1998	.18	1977	7.6	5.1	1.6	.3	.21	.36	.67	.98	1.32	1.71	2.17	2.74	3.54	4.86	6.15
Mar	2.57	2.04	1.67	1998	25	8.44	1991	.00	1972	7.5	5.5	2.0	.4	.06	.23	.56	.92	1.34	1.81	2.39	3.13	4.16	5.91	7.65
Apr	.90	.73	1.40	1994	27	2.63	1998	.00+	1997	4.0	2.4	.5	.2	.00	.00	.11	.26	.43	.62	.84	1.12	1.52	2.17	2.83
May	.41	.09	1.68	1971	27	2.74	1971	.00+	1999	1.9	1.1	.2	.1	.00	.00	.00	.00	.04	.12	.24	.42	.70	1.21	1.76
Jun	.13	.00	1.07	1982	30	1.17	1993	.00+	1999	.6	.3	.1	.1	.00	.00	.00	.00	.00	.00	.00	.01	.13	.43	.79
Jul	.01	.00	.25	2001	6	.08	1979	.00+	2000	.1	.0	.0	.0	**	**	**	**	**	**	**	**	**	**	**
Aug	.02	.00	.40	1964	31	.18	1977	.00+	1999	.4	.1	.0	.0	.00	.00	.00	.00	.00	.00	.00	.00	.01	.06	.11
Sep	.34	.04	1.68	1978	5	2.62	1978	.00+	2000	1.3	.7	.2	.1	.00	.00	.00	.00	.00	.01	.09	.25	.54	1.11	1.74
Oct	.67	.49	1.20	1972	19	1.65	1974	.00+	1999	2.9	1.6	.4	@	.00	.00	.08	.19	.31	.45	.62	.83	1.12	1.61	2.10
Nov	1.33	.86	1.72	1967	19	3.97	1985	.00+	1995	5.1	3.0	.9	.2	.00	.07	.25	.45	.67	.93	1.24	1.63	2.18	3.12	4.04
Dec	1.50	1.31	3.57	1966	6	4.60	1996	.00	1999	6.9	3.7	.9	.1	.06	.19	.41	.63	.87	1.13	1.45	1.84	2.38	3.29	4.17
Ann	12.57	11.13	3.57	Dec 1966	6	8.44	Mar 1991	.00+	Sep 2000	47.4	28.6	8.6	1.9	6.19	7.26	8.71	9.88	10.96	12.03	13.18	14.48	16.11	18.55	20.75

+ 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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Station: LINDSAY, CA

COOP ID: 044957

Climate Division: CA 5

NWS Call Sign:

Elevation: 420 Feet

Lat: 36°12N

Lon: 119°03W

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	.1	.0	0	0	4.0	1999	25	4.0	1999	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	#	1972	8	#	1972	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ann	.1	.0	N/A	N/A	4.0	Jan 1999	25	4.0	Jan 1999	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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NWS Call Sign:

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Lon: 119° 03W

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	5/04	4/25	4/18	4/13	4/08	4/03	3/28	3/22	3/13
32	4/12	3/30	3/20	3/12	3/05	2/25	2/17	2/08	1/26
28	2/27	2/16	2/07	1/31	1/24	1/18	1/11	1/02	12/22
24	1/23	1/08	12/26	12/11	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	10/18	10/23	10/27	10/30	11/02	11/05	11/09	11/12	11/18
32	11/01	11/06	11/10	11/14	11/17	11/20	11/24	11/28	12/03
28	11/17	11/23	11/28	12/02	12/06	12/10	12/14	12/19	12/26
24	12/02	12/14	12/25	1/06	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	241	229	221	214	208	201	194	186	175
32	299	284	274	265	257	248	239	229	214
28	>365	344	332	322	314	306	297	287	273
24	>365	>365	>365	>365	>365	>365	>365	345	322
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	Ann
65	556	368	291	160	58	3	0	0	10	108	365	586	2505
60	404	232	166	76	18	0	0	0	1	44	229	431	1601
57	317	157	110	41	8	0	0	0	0	21	159	343	1156
55	262	114	78	25	4	0	0	0	0	12	118	285	898
50	147	39	24	6	0	0	0	0	0	2	47	159	424
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	Ann
32	467	556	743	874	1116	1285	1473	1430	1236	1001	627	437	11245
55	16	26	108	209	407	595	760	717	546	299	56	10	3749
57	9	13	77	165	349	535	698	655	486	247	36	5	3275
60	3	4	41	110	266	445	605	562	398	176	16	0	2626
65	0	0	11	44	151	298	450	407	257	86	3	0	1707
70	0	0	1	12	69	164	296	254	138	32	0	0	966

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	231	353	501	638	876	1045	1230	1186	1001	756	389	204	231	584	1085	1723	2599	3644	4874	6060	7061	7817	8206	8410
45	110	212	346	488	721	895	1075	1031	851	601	247	91	110	322	668	1156	1877	2772	3847	4878	5729	6330	6577	6668
50	39	97	201	338	566	745	920	876	701	446	127	26	39	136	337	675	1241	1986	2906	3782	4483	4929	5056	5082
55	6	28	88	200	411	595	765	721	551	300	41	0	6	34	122	322	733	1328	2093	2814	3365	3665	3706	3706
60	0	1	22	94	267	445	610	566	402	170	6	0	0	1	23	117	384	829	1439	2005	2407	2577	2583	2583
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	137	224	315	411	548	642	745	717	615	488	257	138	137	361	676	1087	1635	2277	3022	3739	4354	4842	5099	5237

(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