U.S. Department of Commerce	Climategraphy	National Climatic Data Center
National Oceanic & Atmospheric Administration	Chinatography	Federal Building
National Environmental Satellite, Data,	of the United States	151 Patton Avenue
and Information Service	of the Onited States	Asheville, North Carolina 28801
	No. 20	www.ncdc.noaa.gov
Station: LAKE ARROWHEAD, CA	1971-2000	COOP ID: 044671

Climate Division: CA 7

NWS Call Sign:

Elevation: 5,205 Feet Lat: 34°15N

Lon: 117°11W

									r												
	Mea	n (1)						Extr	emes					Degree Base Te	Days (1) emp 65		Mean	Numb	er of D	ays (3)	
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0	
Jan	44.5	29.3	36.9	69	1951	25	42.4	1986	10+	1979	29	31.4	1973	871	0	.0	.0	9.5	1.3	21.7	.0
Feb	47.2	30.3	38.8	72	1951	9	44.6	1995	5	1949	14	34.9	1990	735	0	.0	.0	11.8	.7	19.4	.0
Mar	52.7	31.8	42.3	77+	1997	20	50.6	1972	11	1951	3	36.3	1973	705	0	.0	.0	19.7	.2	17.5	.0
Apr	60.2	35.3	47.8	94	1980	9	56.8	1989	17	1982	2	38.3	1975	525	6	.0	@	25.0	.2	9.9	.0
May	67.2	41.1	54.2	93	2000	23	62.4	2000	25+	1975	5	45.4	1977	363	27	.0	.1	28.9	.0	3.0	.0
Jun	76.1	48.7	62.4	106	1985	13	68.1	1994	30+	1995	17	58.1	1982	138	60	.1	1.0	29.8	.0	.3	.0
Jul	81.3	55.4	68.4	100	1972	14	72.8	2000	40+	1982	1	64.6+	1993	35	139	@	2.9	31.0	.0	.0	.0
Aug	81.1	55.5	68.3	97	1950	19	74.5	1998	37+	1973	27	62.1	1976	50	153	.0	2.6	31.0	.0	.0	.0
Sep	76.0	50.3	63.2	98	1950	1	66.7	1999	30	1948	26	55.8	1986	123	67	.0	.5	29.8	.0	.0	.0
Oct	64.5	41.5	53.0	93	1985	2	60.0	1988	18	1971	29	47.7	1972	381	10	.0	@	29.1	.0	2.6	.0
Nov	52.1	33.6	42.9	78	1949	5	51.0	1995	10	1980	24	36.9	1994	664	0	.0	.0	19.1	.1	12.6	.0
Dec	45.1	29.4	37.3	72	1950	10	43.7	2000	6	1990	23	29.9	1971	860	0	.0	.0	10.9	1.7	21.0	.0
Ann	62.3	40.2	51.3	106	Jun 1985	13	74.5	Aug 1998	5	Feb 1949	14	29.9	Dec 1971	5450	462	.1	7.1	275.6	4.2	108.0	.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/normals/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

U.S. Department of Commerce

National Oceanic & Atmospheric Administration National Environmental Satellite, Data, and Information Service 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

COOP ID: 044671

Station: LAKE ARROWHEAD, CA

Climate Division: CA 7

NWS Call Sign:

Elevation: 5,205 Feet Lat: 34°15N I

Lon: 117°11W

		Precipitation (
			Р	recipi	tatio	on Total	S			Μ	ean N of D	umbo ays (3	er)	Proba	bility th	nat the n	Preci	pitatio annual j indic	on Pro precipita ated am	babilit ition wil iount	ies (1) Il be equ	al to or	less tha	in the
	Me Medi	ans/ ans(1)				Extremes	5			D	aily Pre	cipitatio	n		Th	Me ese value:	onthly/Ar s were det	inual Prec	cipitation from the i	vs Probal ncomplet	bility Lev e gamma	els distribut	ion	
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	8.39	5.56	14.24	1969	25	36.93	1993	.00+	1976	7.0	6.1	4.0	2.8	.00	.46	1.68	2.94	4.34	5.95	7.89	10.31	13.70	19.43	25.10
Feb	8.99	8.22	9.75	1969	25	25.68	1993	.17	1972	6.2	5.6	3.8	2.8	.28	.65	1.57	2.70	4.07	5.75	7.86	10.65	14.66	21.65	28.75
Mar	8.03	5.74	7.38	1982	17	27.61	1978	.00+	1997	7.1	6.2	4.0	2.6	.00	.84	2.27	3.54	4.86	6.31	7.99	10.00	12.77	17.32	21.72
Apr	2.53	1.59	3.94	1988	20	8.01	1983	.00+	1993	4.5	3.5	1.7	.8	.00	.00	.18	.48	.88	1.39	2.05	2.95	4.26	6.59	8.98
May	1.32	.60	5.12	1998	5	11.63	1998	.00+	2000	2.8	1.9	.8	.4	.00	.00	.00	.09	.27	.54	.92	1.45	2.25	3.72	5.26
Jun	.28	.00	3.58	1993	5	4.21	1993	.00+	2000	.7	.3	.1	.1	.00	.00	.00	.00	.00	.00	.00	.04	.24	.88	1.47
Jul	.10	.02	1.92	1968	28	.70	1992	.00+	2000	1.1	.4	.0	.0	.00	.00	.00	.00	.00	.01	.06	.11	.19	.32	.45
Aug	.33	.05	2.23	1977	17	3.47	1983	.00+	1997	1.4	.7	.1	@	.00	.00	.00	.00	.00	.03	.11	.26	.53	1.06	1.64
Sep	1.07	.30	5.58	1976	11	9.27	1976	.00+	1996	1.7	1.0	.6	.3	.00	.00	.00	.00	.02	.18	.49	.98	1.78	3.31	4.95
Oct	2.01	1.29	4.33	1979	20	9.97	1987	.00+	1999	2.9	2.3	1.1	.7	.00	.00	.08	.36	.72	1.16	1.71	2.43	3.45	5.20	7.02
Nov	3.45	2.70	7.09	1965	23	12.67	1985	.00	1992	3.8	3.2	1.9	1.3	.04	.20	.58	1.04	1.58	2.24	3.06	4.13	5.67	8.31	10.99
Dec	5.16	3.34	11.14	1966	6	20.18	1971	.03	2000	5.3	4.4	2.6	1.6	.06	.19	.57	1.13	1.86	2.83	4.11	5.88	8.50	13.24	18.17
Ann	41.66	36.92	14.24	Jan 1969	25	36.93	Jan 1993	.00+	Jul 2000	44.5	35.6	20.7	13.4	15.85	19.73	25.28	29.91	34.29	38.76	43.61	49.22	56.37	67.36	77.40

+ 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

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html U.S. Department of Commerce National Oceanic & Atmospheric Administration National Environmental Satellite, Data, and Information Services

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

COOP ID: 044671

Station: LAKE ARROWHEAD, CA

Climate Division: CA 7

NWS Call Sign:

Elevation: 5,205 Feet

Lat: 34°15N Lon: 117°11W

										Snov	w (incl	hes)											
						Sn	ow To	otals									Mea	an Nu	mber	of Da	YS (1)		
	Mean	s/Medi	ans (1)	1					Extre	mes (2)						Sr >= 1	now Fa Thresh	all 10lds		>:	Snow = Thr	Depth esholc	ı İs
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	8.4	4.5	3	#	30.0	1982	21	55.0	1974	54	1974	7	26	1974	1.2	1.1	.8	.5	.2	5.2	4.2	4.0	3.4
Feb	6.2	3.5	2	#	14.0	1975	3	26.5	1983	18	1975	3	11	1990	.9	.9	.6	.4	.2	3.6	2.5	1.5	.5
Mar	7.6	2.5	1	0	36.0	1991	27	74.0	1991	36	1982	19	15	1974	1.9	1.6	1.0	.7	.2	3.5	2.4	1.7	.4
Apr	2.0	.0	#	0	8.0	1995	16	17.5	1975	24	1991	1	3	1982	.8	.6	.2	.2	.0	1.4	1.0	.7	.2
May	.5	.0	#	0	8.0	1977	9	8.0	1977	8	1977	9	#+	1977	.1	.1	.1	.1	.0	.1	.1	.1	.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	.4	.0	#	0	4.0	1971	28	9.5	1971	4	1971	28	#+	1996	.2	.2	@	.0	.0	.4	.1	.0	.0
Nov	1.7	.0	#	0	13.0	1978	11	15.0	1978	14+	1982	10	4	1982	.5	.5	.1	.1	@	1.1	.9	.8	.3
Dec	4.3	.0	1	0	16.0	1978	19	20.5	1978	24	1971	28	4	1978	1.0	1.0	.7	.4	@	2.4	1.6	1.2	.7
Ann	31.1	10.5	N/A	N/A	36.0	Mar 1991	27	74.0	Mar 1991	54	Jan 1974	7	26	Jan 1974	6.6	6.0	3.5	2.4	.6	17.7	12.8	10.0	5.5

+ 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/normals/usnormals.html

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U.S. Department of Commerce National Oceanic & Atmospheric Administration National Environmental Satellite, Data, and Information Service

Station: LAKE ARROWHEAD, CA

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

COOP ID: 044671

Climate Division: CA 7

NWS Call Sign:

Elevation: 5,205 Feet

Lat: 34°15N

Lon: 117°11W

				Freez	e Data											
			Spri	ng Freeze D	ates (Month	/Day)										
Tomn (F)		Р	robability of	f later date i	n spring (th	ru Jul 31) tha	n indicated	(*)								
Temp (F)	Freeze Data Spring Freeze Dates (Month/Day) Freeze Dates (Month/Day) Probability of later date in spring (thru Jul 31) than indicated(*) 10 .20 .30 .40 .50 .60 .70 .80 .90 6/24 6/17 6/12 6/08 6/04 5/31 5/26 5/21 5/15 6/08 5/30 5/24 5/18 5/13 5/08 5/03 4/26 4/17 5/14 5/04 4/27 4/21 4/15 4/09 4/03 3/27 3/17 4/19 4/09 4/01 3/26 3/20 3/14 3/08 3/01 2/19 4/14 3/26 3/12 2/28 2/17 2/05 1/24 1/09 1/216 3/10 2/20 2/06 1/24 1/11 1/226 11/27 0/00 0/00 Freeze Dates (Month/Day) Freeze Dates (Month/Day) 1/10 <th co<="" th=""></th>															
36	6/24	6/17	6/12	6/08	6/04	5/31	5/26	5/21	5/15							
32	6/08	5/30	5/24	5/18	5/13	5/08	5/03	4/26	4/17							
28	5/14	5/04	4/27	4/21	4/15	4/09	4/03	3/27	3/17							
24	4/19	4/09	4/01	3/26	3/20	3/14	3/08	3/01	2/19							
20	4/14	3/26	3/12	2/28	2/17	2/05	1/24	1/09	12/16							
16	3/10	2/20	2/06	1/24	1/11	12/26	11/27	0/00	0/00							
			Fa	ll Freeze Da	tes (Month/I	Day)			·							
Tomp (F)	Temp (F) Probability of earlier date in fall (beginning Aug 1) than indicated(*)															
Temp (F)	.10	.20	.30	.40	.50	.60	.70	.80	.90							
36	9/19	9/26	10/02	10/06	10/11	10/15	10/20	10/25	11/02							
32	10/09	10/14	10/19	10/22	10/25	10/29	11/01	11/05	11/11							
28	10/24	10/30	11/03	11/07	11/10	11/14	11/17	11/21	11/27							
24	11/07	11/14	11/19	11/23	11/28	12/02	12/06	12/11	12/19							
20	11/10	11/23	12/03	12/11	12/19	12/27	1/05	1/16	2/07							
16	11/18	12/04	12/17	12/30	1/12	1/29	0/00	0/00	0/00							
				Freeze F	ree Period											
Tomp (F)			Probability	of longer th	an indicated	freeze free p	eriod (Days)								
Temp (F)	.10	.20	.30	.40	.50	.60	.70	.80	.90							
36	152	144	138	133	128	124	119	113	105							
32	198	186	178	171	164	158	151	143	131							
28	243	231	223	215	209	202	194	186	174							
24	292	278	268	260	252	244	235	225	211							
20	>365	>365	332	314	300	288	275	262	243							
16	>365	>365	>365	>365	>365	>365	337	312	287							

* 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 docu

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html U.S. Department of Commerce National Oceanic & Atmospheric Administration National Environmental Satellite, Data, and Information Service Climatography of the United States No. 20 1971-2000

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Elevation: 5,205 Feet Lat: 34°15N

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	Degree Days to Selected Base Temperatures (°F)													
Base						Heatin	g Degree l	Days (1)						
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann	
65	871	735	705	525	363	138	35	50	123	381	664	860	5450	
60	716	595	553	388	245	65	7	14	52	250	514	705	4104	
57	623	511	465	313	188	36	1	6	26	184	427	612	3392	
55	561	455	408	267	155	23	0	2	16	145	370	550	2952	
50	407	317	275	172	84	6	0	0	3	71	239	403	1977	
32	33	12	20	10	1	0	0	0	0	0	10	46	132	

Base	Cooling Degree Days (1)														
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann		
32	185	200	338	482	688	911	1127	1126	934	651	336	209	7187		
55	0	0	13	48	129	244	414	415	260	84	6	0	1613		
57	0	0	8	34	100	197	353	356	210	60	3	0	1321		
60	0	0	3	20	64	136	266	272	146	33	1	0	941		
65	0	0	0	6	27	60	139	153	67	10	0	0	462		
70	0	0	0	0	10	18	55	71	21	2	0	0	177		

										Gro	wing	Degre	e Uni	ts (2)										
Base	Base Growing Degree Units (Monthly)															Growi	ng Degre	e Units (Accumu	lated Mo	onthly)			
	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	38	60	136	266	457	697	910	901	713	426	147	48	38	98	234	500	957	1654	2564	3465	4178	4604	4751	4799
45 1 17 57 152 315 547 755 746 563 281 65 1										10	1	18	75	227	542	1089	1844	2590	3153	3434	3499	3509		
50	0	0	17	67	191	402	600	591	416	156	16	0	0	0	17	84	275	677	1277	1868	2284	2440	2456	2456
55	0	0	0	24	89	262	445	437	274	70	1	0	0	0	0	24	113	375	820	1257	1531	1601	1602	1602
60	0	0	0	0	28	148	292	286	151	21	0	0	0	0	0	0	28	176	468	754	905	926	926	926
Base	Base Growing Degree Units for Corn (Monthly)														Gr	owing D	egree Un	its for C	orn (Acc	umulate	d Month	ly)		
50/86 27 39 93 185 289 440 595 587 440 244 80											26	27	66	159	344	633	1073	1668	2255	2695	2939	3019	3045	

(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.
 - Compete documentation for the 1971-2000 Normals is available on the internet from:
 - www.ncdc.noaa.gov/oa/climate/normals/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.

- a. Temperature/ Precipitation Tables
 - 1. 1971-2000 Monthly Normals
 - 2. Cooperative Summary of the Day
 - 3. National Weather Service station records
 - 4. 1971-2000 serially complete daily data

- c. Snow Tables
 - 1. Snow Climatology
 - 2. Cooperative Summary of the Day
- d. Freeze Data Table 1971-2000 serially complete daily data

- b. Degree Day Table
- 1. Monthly and Annual Heating and Cooling Degree Days Normals to Selected Bases derived from 1971-2000 Monthly Normals
- 2. Daily Normal Growing Degree Units to Selected Base Temperatures derived from 1971-2000 serially complete daily data

References

- U.S. Climate Normals 1971-2000, www.ncdc.noaa.gov/normals.html
- U.S. Climate Normals 1971-2000-Products Clim20, www.ncdc.noaa.gov/oa/climate/normals/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