

Climatography of the United States No. 20

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

Station: LOVELOCK DERBY AP, NV

1971-2000

COOP ID: 264700

Climate Division: NV 1

NWS Call Sign: LOL

Elevation: 3,900 Feet Lat: 40°04N

Lon: 118°34W

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	42.1	15.9	29.0	68	1953	8	37.2	1995	-38	1949	25	16.0	1982	1117	0	.0	.0	7.1	4.7	29.5	1.4
Feb	50.5	21.3	35.9	73+	1954	24	43.8	1995	-25	1989	7	26.2	1989	815	0	.0	.0	15.9	1.0	25.1	.4
Mar	57.7	26.1	41.9	83	1966	31	48.5	1993	-2	1971	2	35.8	1977	717	0	.0	.0	25.5	@	22.5	@
Apr	65.3	32.1	48.7	91	1981	30	56.1	1992	8	1970	1	40.2	1975	492	4	.0	.1	28.4	.0	12.9	.0
May	74.7	40.7	57.7	99	1954	19	65.8	1992	18	1964	6	50.4	1977	259	33	.0	2.1	30.8	.0	2.3	.0
Jun	85.1	48.1	66.6	107+	1961	20	71.3	2000	27	1954	6	62.3	1980	68	115	.6	10.9	30.0	.0	@	.0
Jul	94.0	53.9	74.0	109	1960	19	77.9+	1996	37	1955	5	69.0	1983	5	282	5.4	24.4	31.0	.0	.0	.0
Aug	91.9	51.0	71.5	107	1961	4	75.1	1971	30	1960	23	64.9	1976	17	218	3.3	21.7	31.0	.0	@	.0
Sep	82.0	42.4	62.2	106	1955	3	66.2	1991	20+	1950	30	55.2	1986	146	62	.1	7.2	30.0	.0	1.5	.0
Oct	68.9	31.4	50.2	93	1952	4	56.7	1988	6	1972	31	44.1	1984	464	4	.0	.2	29.8	.0	13.4	.0
Nov	52.8	21.1	37.0	80	1958	7	44.4	1995	-3+	1958	17	31.6	1985	841	0	.0	.0	19.6	@	25.8	.1
Dec	42.9	14.4	28.7	72	2001	6	35.9	1981	-28	1990	22	17.3	1978	1126	0	.0	.0	7.5	3.0	29.5	1.7
Ann	67.3	33.2	50.3	109	Jul 1960	19	77.9+	Jul 1996	-38	Jan 1949	25	16.0	Jan 1982	6067	718	9.4	66.6	286.6	8.7	162.5	3.6

+ 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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Elevation: 3,900 Feet Lat: 40°04N

Lon: 118°34W

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	.54	.37	.69	2000	24	1.63	1980	.02	1994	5.8	1.9	.1	.0	.03	.07	.13	.21	.29	.39	.50	.65	.86	1.21	1.56
Feb	.48	.34	.94	1962	10	1.80	1998	.05	1971	6.0	1.8	.0	.0	.05	.09	.15	.22	.29	.37	.47	.59	.75	1.02	1.29
Mar	.52	.43	.54	1998	24	1.66	1978	.00	1976	6.2	2.0	.1	.0	.01	.05	.11	.19	.27	.37	.48	.63	.84	1.20	1.55
Apr	.48	.38	1.17	1990	17	2.18	1990	.09	1989	4.6	1.3	.2	@	.06	.09	.16	.23	.30	.38	.47	.58	.74	1.00	1.24
May	.54	.35	1.62	1963	23	2.68	1998	.00+	1975	4.8	1.8	.2	.0	.00	.01	.06	.13	.21	.32	.46	.64	.90	1.37	1.84
Jun	.49	.41	1.11	1977	9	1.83	1993	.00+	2000	3.4	1.4	.2	@	.00	.00	.04	.13	.22	.33	.45	.61	.83	1.19	1.57
Jul	.15	.05	.62	1967	16	1.51	1976	.00+	1990	1.9	.5	.1	.0	.00	.00	.00	.01	.03	.06	.10	.16	.25	.42	.60
Aug	.30	.04	1.18	1976	22	2.67	1983	.00+	1998	2.0	.7	.2	@	.00	.00	.00	.01	.03	.08	.16	.28	.49	.86	1.29
Sep	.41	.27	.79	1952	10	1.46	1998	.00+	1995	3.2	1.2	.1	.0	.00	.00	.01	.06	.13	.21	.33	.48	.70	1.08	1.48
Oct	.36	.26	1.00	1951	24	1.68	2000	.00+	1995	3.6	1.4	.1	.0	.00	.01	.05	.10	.16	.23	.32	.43	.59	.87	1.14
Nov	.40	.30	1.07	1982	30	1.42	1994	.01+	1999	4.6	1.3	.1	@	.01	.02	.05	.10	.16	.23	.33	.46	.65	.99	1.33
Dec	.51	.42	.70	1978	18	1.87	1983	.01	1976	5.0	1.6	.1	.0	.03	.07	.13	.20	.28	.37	.48	.62	.81	1.14	1.47
Ann	5.18	4.80	1.62	May 1963	23	2.68	May 1998	.00+	Jun 2000	51.1	16.9	1.5	.0	2.23	2.70	3.35	3.88	4.38	4.88	5.42	6.04	6.82	8.01	9.08

+ 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

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Climate Division: NV 1

NWS Call Sign: LOL

Elevation: 3,900 Feet

Lat: 40°04N

Lon: 118°34W

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	2.5	1.3	#	0	7.0	1973	8	18.1	1993	9+	1993	18	5	1993	2.3	1.1	.1	.1	.0	4.9	1.6	.9	.0
Feb	1.1	#	#	0	6.6	1989	3	8.9	1989	5	1989	4	1+	1993	1.2	.3	@	@	.0	1.4	.4	@	.0
Mar	.4	#	#	0	2.7	1998	5	3.5	1998	3	1998	6	#	1998	.6	.1	.0	.0	.0	@	@	.0	.0
Apr	.4	.0	0	0	4.0	1975	15	5.3	1975	#+	1991	10	0	0	.7	.1	@	.0	.0	.0	.0	.0	.0
May	.0	.0	#	0	.2	1988	5	.2+	2000	#+	1977	17	#	1998	.1	.0	.0	.0	.0	.0	.0	.0	.0
Jun	#	.0	0	0	#	1995	15	#	1995	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	.2	1971	27	.2	1971	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.5	.0	#	0	2.0	1982	30	2.1+	1988	2	1996	17	#	1996	.8	.2	.0	.0	.0	.2	.0	.0	.0
Dec	2.4	1.9	#	0	9.0	1978	18	9.0	1978	6+	1978	21	2	1978	2.0	.8	.2	@	.0	3.2	1.3	.3	.0
Ann	7.3	3.2	N/A	N/A	9.0	Dec 1978	18	18.1	Jan 1993	9+	Jan 1993	18	5	Jan 1993	7.7	2.6	.3	.1	.0	9.7	3.3	1.2	.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 1971-2000

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Climate Division: NV 1

NWS Call Sign: LOL

Elevation: 3,900 Feet

Lat: 40° 04N

Lon: 118° 34W

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	6/18	6/11	6/07	6/03	5/30	5/26	5/22	5/17	5/11
32	5/28	5/22	5/18	5/14	5/11	5/08	5/05	5/01	4/25
28	5/18	5/12	5/07	5/03	4/29	4/26	4/22	4/17	4/11
24	5/04	4/28	4/24	4/21	4/18	4/14	4/11	4/07	4/02
20	4/24	4/16	4/11	4/06	4/02	3/29	3/24	3/19	3/11
16	4/13	4/01	3/24	3/16	3/10	3/03	2/24	2/15	2/03
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	8/31	9/06	9/11	9/14	9/18	9/22	9/25	9/30	10/06
32	9/09	9/15	9/20	9/24	9/27	10/01	10/05	10/10	10/16
28	9/22	9/27	10/01	10/04	10/07	10/10	10/13	10/17	10/22
24	10/02	10/08	10/12	10/15	10/19	10/22	10/26	10/30	11/04
20	10/15	10/20	10/24	10/27	10/30	11/02	11/05	11/08	11/13
16	10/21	10/28	11/02	11/05	11/09	11/13	11/17	11/21	11/28
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	135	126	120	115	110	106	101	95	86
32	162	154	148	143	138	134	129	123	115
28	185	177	170	165	160	155	150	144	135
24	208	199	193	188	183	178	173	167	159
20	236	227	221	215	210	205	200	193	184
16	285	271	261	252	244	236	227	217	203

* 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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COOP ID: 264700

Climate Division: NV 1 NWS Call Sign: LOL Elevation: 3,900 Feet Lat: 40°04N Lon: 118°34W

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	1117	815	717	492	259	68	5	17	146	464	841	1126	6067
60	962	675	562	355	155	23	0	3	70	321	691	971	4788
57	869	591	473	279	107	10	0	1	40	244	601	878	4093
55	807	535	415	233	80	5	0	0	25	198	541	816	3655
50	662	401	278	139	33	1	0	0	6	104	394	663	2681
32	225	59	17	3	0	0	0	0	0	0	45	209	558

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	131	168	324	505	797	1037	1300	1224	906	563	194	106	7255
55	0	0	8	45	164	353	587	511	241	48	0	0	1957
57	0	0	4	30	129	297	525	449	195	32	0	0	1661
60	0	0	1	16	84	220	432	359	135	15	0	0	1262
65	0	0	0	4	33	115	282	218	62	4	0	0	718
70	0	0	0	0	10	45	150	107	20	0	0	0	332

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	9	47	140	305	580	830	1089	1015	715	373	71	13	9	56	196	501	1081	1911	3000	4015	4730	5103	5174	5187
45	0	10	57	182	428	680	934	860	566	237	23	1	0	10	67	249	677	1357	2291	3151	3717	3954	3977	3978
50	0	0	15	86	289	530	779	705	418	128	1	0	0	0	15	101	390	920	1699	2404	2822	2950	2951	2951
55	0	0	1	28	169	384	624	550	276	50	0	0	0	0	1	29	198	582	1206	1756	2032	2082	2082	2082
60	0	0	0	4	80	249	469	397	152	14	0	0	0	0	0	4	84	333	802	1199	1351	1365	1365	1365
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	21	63	143	242	389	520	654	613	475	313	93	13	21	84	227	469	858	1378	2032	2645	3120	3433	3526	3539

(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 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