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

Station: LOVELOCK, NV **COOP ID: 264698**

Climate Division: NV 1 **NWS Call Sign:** **Elevation: 3,975 Feet** **Lat: 40˚11N** **Lon: 118˚28W**

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	41.3	18.3	29.8	69	1965	30	37.7	1986	-26	1937	21	20.5	1993	1091	0	.0	.0	7.3	4.8	28.9	1.1
Feb	50.1	24.3	37.2	76	1981	19	43.9	1995	-22	1933	7	28.2	1989	778	0	.0	.0	16.4	.9	23.8	.3
Mar	57.8	28.6	43.2	81+	1934	15	48.3	1978	5	1971	2	39.0	1977	675	0	.0	.0	26.4	@	21.3	.0
Apr	65.3	33.7	49.5	91+	1947	13	55.1	1992	9	1933	10	41.4	1975	468	3	.0	@	28.8	.0	12.4	.0
May	74.0	41.7	57.9	98+	1954	20	65.0	1992	21	1964	3	51.4	1977	251	29	.0	1.3	30.9	.0	2.4	.0
Jun	83.7	48.6	66.2	107	1955	10	70.8	1974	24	1929	2	61.9	1993	75	109	.4	9.2	29.9	.0	.0	.0
Jul	91.7	54.3	73.0	110	1933	25	76.2	1996	36	1968	1	66.6	1983	9	258	2.8	21.8	31.0	.0	.0	.0
Aug	89.8	51.8	70.8	106+	1933	12	75.3	1971	31	1932	30	64.6	1976	16	196	1.7	19.3	31.0	.0	.0	.0
Sep	80.2	44.1	62.2	107	1955	4	66.6	1981	21	1934	26	55.2	1986	140	54	.0	5.2	30.0	.0	1.2	.0
Oct	67.3	33.9	50.6	92+	1952	3	57.1	1988	12+	1929	31	45.9	1984	448	2	.0	.3	29.9	.0	10.9	.0
Nov	51.5	23.9	37.7	78	1962	1	45.0	1995	-4	1931	23	32.9	1985	818	0	.0	.0	19.0	.1	24.7	.0
Dec	42.3	17.6	30.0	68	1995	1	37.1	1981	-23	1990	22	19.8	1990	1087	0	.0	.0	8.3	3.2	29.0	1.1
Ann	66.3	35.1	50.7	110	Jul 1933	25	76.2	Jul 1996	-26	Jan 1937	21	19.8	Dec 1990	5856	651	4.9	57.1	288.9	9.0	154.6	2.5

+ 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

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1928-2001

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

Issue Date: February 2004

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

Station: LOVELOCK, NV **COOP ID: 264698**

Climate Division: NV 1 **NWS Call Sign:** **Elevation: 3,975 Feet** **Lat: 40°11N** **Lon: 118°28W**

Precipitation (inches)

Precipitation Totals

Month	Means/ Medians(1) Mean	Means/ Medians(1) Median	Extremes Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year
Jan	.58	.42	1.60	1933	28	1.52	1997	.01	1989
Feb	.51	.42	.96	1945	2	1.82	1998	.04	1997
Mar	.48	.36	.75	1946	20	1.54	1983	.01+	1999
Apr	.64	.44	1.00	1938	30	2.90	1990	.00	1986
May	.65	.34	.87	1963	24	2.76	1998	.00	1974
Jun	.57	.39	1.13	1958	11	2.68	1998	.00+	2000
Jul	.17	.09	.54	1976	24	1.06	1976	.00+	1999
Aug	.27	.09	.73	1941	11	1.59	1983	.00+	1998
Sep	.50	.27	1.06	1998	9	2.68	1998	.00+	1999
Oct	.50	.37	1.15	1951	25	1.55	1984	.00+	1995
Nov	.49	.36	1.30	1950	18	1.79	1985	.00	1995
Dec	.54	.43	.81	1934	14	1.98	1983	.00+	1989
Ann	5.90	5.46	1.60	Jan 1933	28	2.90	Apr 1990	.00+	Jun 2000

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	5.5	2.0	.1	.0
Feb	5.4	1.9	.1	.0
Mar	4.8	1.8	.1	.0
Apr	4.7	2.1	.2	.0
May	4.6	2.1	.3	.0
Jun	3.6	1.6	.2	@
Jul	1.6	.6	.1	.0
Aug	2.3	.9	.1	.0
Sep	2.8	1.2	.2	@
Oct	3.5	1.6	.2	.0
Nov	4.1	1.6	.1	.0
Dec	4.6	1.8	.1	.0
Ann	47.5	19.2	1.8	.0

Precipitation Probabilities (1)

Probability that the monthly/annual precipitation will be equal to or less than the indicated amount

Monthly/Annual Precipitation vs Probability Levels
These values were determined from the incomplete gamma distribution

Month	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.04	.07	.14	.22	.31	.42	.54	.70	.93	1.31	1.68
Feb	.08	.13	.20	.27	.34	.42	.51	.62	.77	1.00	1.23
Mar	.03	.05	.11	.17	.25	.34	.44	.58	.78	1.11	1.45
Apr	.01	.05	.14	.23	.33	.45	.59	.77	1.03	1.47	1.90
May	.00	.02	.08	.15	.25	.38	.54	.76	1.07	1.63	2.21
Jun	.00	.00	.00	.12	.23	.37	.52	.72	.99	1.46	1.91
Jul	.00	.00	.00	.01	.04	.08	.13	.20	.30	.48	.67
Aug	.00	.00	.00	.02	.06	.11	.19	.29	.46	.75	1.06
Sep	.00	.00	.01	.07	.15	.26	.39	.58	.85	1.32	1.82
Oct	.00	.02	.07	.14	.22	.32	.45	.61	.83	1.23	1.62
Nov	.01	.03	.08	.15	.23	.32	.44	.59	.80	1.18	1.55
Dec	.00	.00	.15	.24	.34	.44	.55	.69	.87	1.17	1.46
Ann	2.42	2.96	3.72	4.35	4.94	5.54	6.18	6.93	7.87	9.31	10.62

\+ 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: 1928-2001
(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

Station: LOVELOCK, NV **COOP ID: 264698**

Climate Division: NV 1 **NWS Call Sign:** **Elevation: 3,975 Feet** **Lat: 40°11N** **Lon: 118°28W**

Snow (inches)

Snow Totals

Means/Medians (1)

Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median
Jan	3.6	2.0	1	#
Feb	1.4	.0	#	0
Mar	.8	.0	#	0
Apr	.5	.0	0	0
May	#	.0	0	0
Jun	.0	.0	0	0
Jul	.0	.0	0	0
Aug	.0	.0	0	0
Sep	.0	.0	0	0
Oct	.2	.0	#	0
Nov	.8	.0	#	0
Dec	2.0	1.4	#	0
Ann	9.3	3.4	N/A	N/A

Extremes (2)

Month	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year
Jan	10.0	1988	3	21.8	1993	12	1993	11	7	1993
Feb	5.0	1998	17	9.0	1998	6	1993	3	2	1993
Mar	10.0	1995	23	10.0	1995	1	1998	5	#	1998
Apr	8.0	1998	13	11.0	1998	0	0	0	0	0
May	#	1975	20	#	1975	0	0	0	0	0
Jun	.0	0	0	.0	0	0	0	0	0	0
Jul	.0	0	0	.0	0	0	0	0	0	0
Aug	.0	0	0	.0	0	0	0	0	0	0
Sep	.0	0	0	.0	0	0	0	0	0	0
Oct	3.0	1984	17	3.7	1984	3	1984	17	#	1984
Nov	3.0	1985	23	7.3	1985	3	1985	24	1	1985
Dec	4.2	1996	22	8.0	1988	4+	1996	22	1+	1998
Ann	10.0+	Mar 1995	23	21.8	Jan 1993	12	Jan 1993	11	7	Jan 1993

Mean Number of Days (1)

Snow Fall >= Thresholds

Month	0.1	1.0	3.0	5.0	10.0
Jan	2.0	1.1	.4	.2	@
Feb	.9	.7	.1	.1	.0
Mar	.5	.2	.1	.1	.1
Apr	.1	.1	@	@	.0
May	.0	.0	.0	.0	.0
Jun	.0	.0	.0	.0	.0
Jul	.0	.0	.0	.0	.0
Aug	.0	.0	.0	.0	.0
Sep	.0	.0	.0	.0	.0
Oct	.1	@	@	.0	.0
Nov	.7	.4	@	.0	.0
Dec	1.6	.9	.1	.0	.0
Ann	5.9	3.4	.7	.4	.1

Snow Depth >= Thresholds

Month	1	3	5	10
Jan	4.6	2.9	1.8	.3
Feb	1.5	.8	.2	.0
Mar	.1	.0	.0	.0
Apr	.0	.0	.0	.0
May	.0	.0	.0	.0
Jun	.0	.0	.0	.0
Jul	.0	.0	.0	.0
Aug	.0	.0	.0	.0
Sep	.0	.0	.0	.0
Oct	.1	@	.0	.0
Nov	.4	.1	.0	.0
Dec	2.3	.5	.0	.0
Ann	9.0	4.3	2.0	.3

+ 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

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

Station: LOVELOCK, NV **COOP ID: 264698**

Climate Division: NV 1 **NWS Call Sign:** **Elevation: 3,975 Feet** **Lat: 40˚11N** **Lon: 118˚28W**

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	6/14	6/09	6/05	6/01	5/29	5/26	5/22	5/18	5/13
32	5/28	5/22	5/19	5/16	5/13	5/10	5/06	5/03	4/27
28	5/14	5/09	5/05	5/02	4/29	4/25	4/22	4/18	4/13
24	5/03	4/27	4/22	4/19	4/15	4/12	4/08	4/04	3/29
20	4/23	4/14	4/08	4/02	3/28	3/22	3/17	3/10	3/01
16	4/06	3/25	3/16	3/09	3/02	2/23	2/15	2/06	1/25

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	9/04	9/09	9/14	9/17	9/21	9/24	9/28	10/02	10/08
32	9/15	9/20	9/24	9/27	9/30	10/04	10/07	10/11	10/16
28	9/25	9/30	10/04	10/08	10/11	10/14	10/17	10/21	10/27
24	10/08	10/14	10/18	10/22	10/25	10/28	11/01	11/05	11/11
20	10/18	10/24	10/28	10/31	11/03	11/06	11/09	11/13	11/18
16	10/26	11/02	11/07	11/12	11/16	11/20	11/24	11/30	12/07

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	136	128	123	118	114	110	105	100	92
32	165	157	151	145	140	135	130	124	115
28	188	180	174	169	165	160	155	150	142
24	218	209	203	197	192	187	182	175	167
20	253	241	233	226	220	213	206	198	187
16	306	290	278	268	259	249	239	227	211

***** 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/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

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

Station: LOVELOCK, NV **COOP ID: 264698**

Climate Division: NV 1 **NWS Call Sign:** **Elevation: 3,975 Feet** **Lat: 40˚11N** **Lon: 118˚28W**

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	1091	778	675	468	251	75	9	16	140	448	818	1087	5856
60	936	638	520	329	145	26	1	2	63	303	668	932	4563
57	843	554	429	252	97	11	0	0	34	227	578	839	3864
55	781	498	370	206	70	6	0	0	20	181	519	777	3428
50	633	365	232	114	26	1	0	0	4	90	375	622	2462
32	194	44	5	0	0	0	0	0	0	0	40	163	446

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	126	190	353	524	801	1024	1271	1203	904	578	211	99	7284
55	0	0	4	41	158	340	558	490	234	45	1	0	1871
57	0	0	2	26	123	286	496	428	187	29	0	0	1577
60	0	0	0	13	78	210	404	337	127	13	0	0	1182
65	0	0	0	3	29	109	258	196	54	2	0	0	651
70	0	0	0	0	8	43	134	89	15	0	0	0	289

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	13	66	161	316	576	810	1055	998	711	393	89	16	13	79	240	556	1132	1942	2997	3995	4706	5099	5188	5204
45	0	20	63	188	424	660	900	843	561	254	32	1	0	20	83	271	695	1355	2255	3098	3659	3913	3945	3946
50	0	2	17	91	285	511	745	688	415	139	3	0	0	2	19	110	395	906	1651	2339	2754	2893	2896	2896
55	0	0	1	32	164	366	590	533	271	58	0	0	0	0	1	33	197	563	1153	1686	1957	2015	2015	2015
60	0	0	0	5	77	232	436	381	150	21	0	0	0	0	0	5	82	314	750	1131	1281	1302	1302	1302
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	22	67	148	247	389	516	645	616	470	307	93	15	22	89	237	484	873	1389	2034	2650	3120	3427	3520	3535

(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

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

c. Snow Tables
   1. Snow Climatology
   2. Cooperative Summary of the Day

d. Freeze Data Table
   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