

Climatography of the United States No. 20

Station: CLOVER VALLEY, NV

1971-2000

COOP ID: 261740

Climate Division: NV 2

NWS Call Sign:

Elevation: 5,750 Feet Lat: 40° 51N

Lon: 115° 02W

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	37.3	15.5	26.4	60	1990	9	33.2	1998	-20+	1970	6	15.5	1989	1197	0	.0	.0	2.7	8.9	29.5	4.8
Feb	42.7	19.7	31.2	68	1986	28	38.8	1995	-22	1989	6	20.1	1993	947	0	.0	.0	5.9	4.0	26.6	2.1
Mar	49.8	25.6	37.7	72+	1966	31	43.2	1972	-8	1966	4	31.2	1977	846	0	.0	.0	15.5	.7	26.5	.1
Apr	57.9	30.2	44.1	83	1981	30	50.8	1992	7	1979	3	36.8	1975	629	0	.0	.0	22.8	.0	20.9	.0
May	66.4	37.4	51.9	89	2001	23	57.3	1992	18	2001	2	46.3	1977	407	2	.0	.0	29.6	.0	9.3	.0
Jun	76.4	44.5	60.5	96+	1981	25	64.9	1974	24	1974	8	55.4	1995	173	37	.0	1.1	29.8	.0	1.2	.0
Jul	84.8	50.7	67.8	98+	1981	5	71.9	1985	32	1986	5	60.1	1993	43	129	.0	5.9	31.0	.0	@	.0
Aug	84.0	49.1	66.6	97	1992	12	70.9	1981	27	1992	26	61.8	1976	53	101	.0	4.7	31.0	.0	.1	.0
Sep	75.8	41.1	58.5	92+	1990	12	63.7	1990	15	1970	26	51.8	1986	215	17	.0	.6	29.7	.0	5.0	.0
Oct	63.7	32.0	47.9	85+	1996	9	54.2	1988	7+	1991	31	40.3	1984	532	0	.0	.0	27.7	.1	18.9	.0
Nov	47.7	22.9	35.3	76	1980	5	42.9	1995	-13	1994	22	25.4	1994	891	0	.0	.0	12.9	2.1	26.8	.5
Dec	38.7	15.8	27.3	63	1995	1	34.9	1981	-33	1990	23	16.9	1990	1171	0	.0	.0	3.9	7.1	29.4	2.9
Ann	60.4	32.0	46.3	98+	Jul 1981	5	71.9	Jul 1985	-33	Dec 1990	23	15.5	Jan 1989	7104	286	.0	12.3	242.5	22.9	194.2	10.4

+ 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: 1965-2001

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

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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: CLOVER VALLEY, NV

COOP ID: 261740

Climate Division: NV 2

NWS Call Sign:

Elevation: 5,750 Feet Lat: 40°51N

Lon: 115°02W

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	1.71	1.30	3.02	1979	11	6.49	1996	.10	1976	6.7	4.5	.7	.1	.18	.31	.55	.79	1.04	1.33	1.67	2.08	2.66	3.60	4.52
Feb	1.27	1.16	1.73	1986	17	5.09	1986	.07	1995	7.0	4.2	.5	.1	.18	.29	.47	.65	.83	1.03	1.26	1.55	1.93	2.55	3.15
Mar	1.32	1.17	1.06	1995	21	3.78	1989	.25	1994	8.2	4.6	.4	.1	.27	.39	.58	.76	.94	1.13	1.35	1.61	1.96	2.51	3.03
Apr	1.17	1.08	1.05	1986	9	3.13	1986	.12	1992	6.0	3.8	.3	@	.29	.40	.57	.72	.87	1.03	1.21	1.42	1.70	2.13	2.55
May	1.56	.86	1.17	1971	4	4.89	1995	.09	1974	6.2	3.8	.7	.1	.14	.25	.46	.68	.91	1.18	1.50	1.89	2.44	3.35	4.24
Jun	.99	.83	.90	1993	5	2.95	1984	.00+	1996	4.6	3.0	.5	.0	.00	.00	.24	.41	.58	.77	.98	1.25	1.59	2.17	2.73
Jul	.44	.32	.92	1966	31	1.81	1997	.00+	2000	3.0	1.2	.1	.0	.00	.00	.04	.13	.22	.31	.42	.56	.74	1.04	1.34
Aug	.65	.39	1.39	1977	18	3.45	1983	.00+	1998	3.9	1.7	.3	.1	.00	.00	.11	.22	.33	.46	.61	.81	1.07	1.51	1.95
Sep	.98	.42	1.47	1982	26	5.06	1982	.00+	1987	4.3	2.9	.5	.1	.00	.03	.15	.29	.45	.64	.88	1.19	1.63	2.38	3.13
Oct	.99	.83	1.26	1975	26	2.53	1975	.00+	1999	4.6	3.1	.3	.1	.00	.00	.25	.50	.68	.87	1.08	1.31	1.61	2.06	2.54
Nov	1.65	1.47	2.04	1992	2	4.75	1988	.26	1993	6.5	4.5	.9	.1	.30	.45	.69	.92	1.14	1.39	1.67	2.01	2.46	3.19	3.88
Dec	1.69	.97	1.83	1996	5	7.60	1981	.00+	1986	6.2	4.2	.8	.3	.00	.03	.19	.41	.67	1.01	1.43	2.00	2.81	4.24	5.70
Ann	14.42	13.35	3.02	Jan 1979	11	7.60	Dec 1981	.00+	Jul 2000	67.2	41.5	6.0	1.1	8.04	9.16	10.65	11.83	12.90	13.97	15.08	16.34	17.90	20.22	22.28

+ 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: 1965-2001

(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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Station: CLOVER VALLEY, NV

COOP ID: 261740

Climate Division: NV 2

NWS Call Sign:

Elevation: 5,750 Feet

Lat: 40° 51N

Lon: 115° 02W

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	4.5	4.0	0	0	18.0	1996	25	18.0	1996	10	1993	8	1	1993	1.7	1.6	1.0	.5	.2	-9.9	-9.9	-9.9	-9.9
Feb	.5	.0	0	0	4.0	1994	27	4.0	1994	0	0	0	0	0	.5	.5	.1	.0	.0	-9.9	-9.9	-9.9	-9.9
Mar	.8	.0	0	0	4.0	1995	21	4.0	1995	0	0	0	0	0	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9
Apr	1.1	.0	0	0	3.5	1995	9	5.5	1995	0	0	0	0	0	.6	.6	.2	.0	.0	.0	.0	.0	.0
May	.3	.0	#	0	3.5	1977	16	3.5	1977	4	1977	16	#	1977	.1	.1	.1	.0	.0	.1	.1	.0	.0
Jun	.1	.0	0	0	1.0	1991	5	1.0	1991	0	0	0	0	0	.1	.1	.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	.2	.0	0	0	3.0	1978	18	3.0	1978	0	0	0	0	0	.1	.1	.1	.0	.0	.0	.0	.0	.0
Oct	.8	.0	0	0	11.0	1984	17	11.0	1984	0	0	0	0	0	.1	.1	.1	.1	.1	.0	.0	.0	.0
Nov	3.2	.0	0	0	11.5	1988	17	22.5	1988	0	0	0	0	0	.6	.6	.5	.3	.1	-9.9	-9.9	-9.9	-9.9
Dec	1.5	.0	0	0	12.0	1983	24	12.0	1983	8	1984	12	1	1984	.5	.5	.2	.2	.0	-9.9	-9.9	-9.9	-9.9
Ann	13.0	4.0	N/A	N/A	18.0	Jan 1996	25	22.5	Nov 1988	10	Jan 1993	8	1+	Jan 1993	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9

+ 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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Climate Division: NV 2

NWS Call Sign:

Elevation: 5,750 Feet

Lat: 40° 51N

Lon: 115° 02W

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	7/14	7/07	7/03	6/28	6/24	6/21	6/16	6/11	6/05
32	6/24	6/18	6/14	6/10	6/07	6/03	5/31	5/27	5/21
28	6/10	6/03	5/29	5/25	5/21	5/17	5/12	5/07	4/30
24	5/19	5/14	5/10	5/07	5/04	5/01	4/28	4/24	4/19
20	5/06	4/29	4/24	4/20	4/16	4/12	4/07	4/02	3/26
16	4/18	4/10	4/04	3/30	3/26	3/21	3/16	3/10	3/02
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	8/15	8/21	8/26	8/30	9/03	9/07	9/11	9/16	9/22
32	8/29	9/03	9/07	9/10	9/13	9/16	9/19	9/23	9/28
28	9/09	9/14	9/17	9/21	9/24	9/27	9/30	10/03	10/09
24	9/19	9/24	9/28	10/02	10/05	10/08	10/12	10/16	10/21
20	10/01	10/07	10/12	10/15	10/19	10/23	10/26	10/31	11/06
16	10/11	10/17	10/22	10/26	10/30	11/02	11/06	11/11	11/17
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	98	89	82	75	70	64	58	51	41
32	122	114	108	102	97	92	87	81	73
28	150	142	135	130	125	120	115	109	100
24	176	168	162	158	153	149	144	138	130
20	213	204	197	191	186	180	174	168	158
16	251	239	231	224	217	210	203	195	183

* 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:

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NWS Call Sign:

Elevation: 5,750 Feet Lat: 40° 51N Lon: 115° 02W

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	1197	947	846	629	407	173	43	53	215	532	891	1171	7104
60	1042	807	691	482	264	84	10	12	109	380	741	1016	5638
57	949	723	598	397	189	47	3	3	63	295	651	923	4841
55	887	667	536	343	146	29	1	1	41	243	593	861	4348
50	732	527	386	220	65	7	0	0	10	133	452	706	3238
32	258	131	34	11	0	0	0	0	0	3	89	222	748

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	85	108	211	371	618	854	1108	1071	793	494	188	74	5975
55	0	0	0	14	51	193	396	359	144	21	2	0	1180
57	0	0	0	8	31	151	336	299	106	11	0	0	942
60	0	0	0	3	14	98	250	215	62	3	0	0	645
65	0	0	0	0	2	37	129	101	17	0	0	0	286
70	0	0	0	0	0	9	49	32	3	0	0	0	93

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	1	11	52	159	364	609	844	813	537	259	44	4	1	12	64	223	587	1196	2040	2853	3390	3649	3693	3697
45	0	0	13	77	224	460	689	658	392	139	11	0	0	0	13	90	314	774	1463	2121	2513	2652	2663	2663
50	0	0	0	28	120	312	534	503	253	57	0	0	0	0	0	28	148	460	994	1497	1750	1807	1807	1807
55	0	0	0	3	47	185	380	349	133	13	0	0	0	0	0	3	50	235	615	964	1097	1110	1110	1110
60	0	0	0	0	10	85	231	198	47	0	0	0	0	0	0	0	10	95	326	524	571	571	571	571
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	18	61	146	268	407	550	534	395	237	56	4	0	18	79	225	493	900	1450	1984	2379	2616	2672	2676

(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.

- 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/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