

# Climatography of the United States

No. 20

1971-2000

Station: DUFURRENA, NV

COOP ID: 262394

Climate Division: NV 1

NWS Call Sign:

Elevation: 4,800 Feet Lat: 41° 52N

Lon: 119° 01W

## 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	15.3	28.3	62	1971	18	34.5	1986	-34	1962	22	20.3	1993	1137	0	.0	.0	4.7	5.0	28.8	3.0
Feb	45.7	19.2	32.5	71	1986	28	39.7	1995	-27	1985	4	23.4	1993	912	0	.0	.0	8.9	2.4	25.8	1.2
Mar	51.8	23.1	37.5	74+	1960	25	42.9	1972	-11	1971	2	31.3	1977	855	0	.0	.0	18.4	.3	27.8	.2
Apr	59.4	27.8	43.6	83	1981	30	50.0	1990	8	1961	22	36.0	1975	641	0	.0	.0	25.0	.0	21.9	.0
May	68.0	35.1	51.6	94	1986	30	58.6	1992	8	1964	6	46.8	1998	420	2	.0	.3	29.5	.0	10.9	.0
Jun	78.0	41.1	59.6	100+	1973	26	66.8	1977	24	1990	1	54.0	1980	196	33	.1	3.6	29.9	.0	2.7	.0
Jul	88.1	46.4	67.3	102+	1979	18	71.3	1994	27	1986	17	60.5	1993	51	120	.3	14.4	31.0	.0	.2	.0
Aug	86.7	43.7	65.2	103	1990	6	69.1	1986	22+	1960	23	60.4	1976	69	75	.5	12.1	31.0	.0	.7	.0
Sep	77.3	34.1	55.7	95+	1987	1	59.8	1990	9	1965	18	48.8	1985	290	12	.0	1.8	29.8	.0	10.6	.0
Oct	65.0	25.3	45.2	89+	1980	3	52.1	1988	4	1971	29	40.6	1984	617	0	.0	.0	28.3	.0	23.7	.0
Nov	49.2	18.8	34.0	75	1990	11	40.7	1995	-13	1993	25	24.2	1985	930	0	.0	.0	14.2	1.0	26.1	.5
Dec	41.8	13.0	27.4	64	1975	3	35.0	1977	-30+	1972	9	18.1	1990	1166	0	.0	.0	5.4	4.5	29.7	2.8
Ann	62.7	28.6	45.7	103	Aug 1990	6	71.3	Jul 1994	-34	Jan 1962	22	18.1	Dec 1990	7284	242	.9	32.2	256.1	13.2	208.9	7.7

+ 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](http://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: 1959-2001

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

# 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: DUFURRENA, NV

COOP ID: 262394

Climate Division: NV 1

NWS Call Sign:

Elevation: 4,800 Feet Lat: 41°52N

Lon: 119°01W

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	.67	.54	1.00	1980	12	1.89	1980	.10+	1992	6.4	2.7	.2	.1	.10	.16	.25	.34	.44	.55	.67	.82	1.02	1.34	1.66
Feb	.55	.49	1.57	1986	17	2.25	1986	.12	1977	5.3	1.8	.1	@	.12	.17	.25	.32	.40	.47	.56	.66	.80	1.02	1.22
Mar	.78	.72	.92	1978	22	2.09	1978	.12	1972	5.7	2.2	.1	.0	.15	.22	.34	.44	.55	.67	.80	.95	1.16	1.49	1.81
Apr	.72	.58	1.10	1983	30	2.49	1978	.08	1982	5.9	2.2	.2	@	.10	.15	.26	.36	.46	.58	.72	.89	1.11	1.48	1.84
May	.96	.78	1.57	1971	31	4.15	1971	.04+	1992	5.9	2.9	.3	.1	.04	.09	.20	.32	.47	.65	.87	1.15	1.55	2.24	2.93
Jun	.78	.69	1.35	1993	6	2.36	1993	.00+	1985	4.5	2.4	.3	.1	.00	.00	.22	.36	.49	.63	.79	.99	1.24	1.65	2.05
Jul	.35	.31	.56	1973	19	1.16	1973	.00+	1999	2.4	1.0	.1	.0	.00	.00	.06	.12	.19	.26	.34	.45	.59	.82	1.05
Aug	.50	.24	1.10	1979	29	2.14	1979	.00+	1995	2.4	1.3	.2	.1	.00	.00	.01	.06	.14	.25	.39	.58	.86	1.36	1.89
Sep	.47	.32	1.14	1971	30	1.94	1976	.00+	1987	3.5	1.6	.2	.1	.00	.01	.05	.11	.18	.27	.40	.56	.79	1.21	1.63
Oct	.50	.36	.95	1992	3	1.47	1992	.00+	1988	4.0	1.5	@	.0	.00	.00	.11	.19	.28	.38	.49	.63	.81	1.12	1.42
Nov	.67	.62	.70	1984	8	2.33	1984	.00	1976	5.4	2.0	@	.0	.05	.12	.23	.32	.43	.54	.66	.82	1.03	1.37	1.71
Dec	.69	.63	.90	1994	4	1.91	1977	.00	1976	6.9	2.9	.2	.0	.08	.17	.28	.38	.48	.59	.71	.86	1.05	1.35	1.65
Ann	7.64+	7.31+	1.57+	Feb 1986	17	4.15	May 1971	.00+	Jul 1999	58.3	24.5	1.9	.5	4.28	4.87	5.66	6.28	6.85	7.41	8.00	8.66	9.48	10.71	11.79

+ 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: 1959-2001

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

Complete documentation available from:

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Federal Building  
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**Station: DUFURRENA, NV**

**COOP ID: 262394**

**Climate Division: NV 1**

**NWS Call Sign:**

**Elevation: 4,800 Feet**

**Lat: 41°52N**

**Lon: 119°01W**

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	3.7	4.0	1	#	12.0	1993	7	12.0+	1993	14	1993	19	7	1993	2.5	2.0	.6	.2	.1	5.6	2.9	1.2	.9
Feb	3.8	2.0	#	#	8.0	1972	24	13.0	1972	6+	1996	6	1	1996	1.9	1.8	.5	.1	.0	2.5	1.1	.2	.0
Mar	2.5	1.5	#	#	6.0	1973	20	10.5	1973	6	1979	1	1	1991	.9	.9	.4	.1	.0	.6	.3	.1	.0
Apr	.4	.0	#	0	2.0	1972	12	2.0+	1975	2	1974	18	#+	1997	.2	.1	.0	.0	.0	.1	.0	.0	.0
May	.4	.0	#	0	7.0	1971	31	8.0	1971	2	1974	18	#+	1974	.2	.1	@	@	.0	.1	.0	.0	.0
Jun	.0	.0	0	0	.5	1995	7	.5	1995	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	#	1978	17	#	1978	#	1978	17	#	1978	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.6	.0	#	0	4.0	1991	28	6.0	1991	4+	1991	29	#+	1994	.3	.2	.1	.0	.0	.3	.2	.0	.0
Nov	1.6	.8	#	0	6.0	1977	21	6.0	1977	3	1994	19	1	1994	1.0	.9	.4	.1	.0	.7	.3	.0	.0
Dec	7.0	6.0	1	#	8.5	1994	4	22.5	1992	9	1994	12	5	1994	2.3	2.2	.9	.1	.0	6.8	3.5	1.3	.0
Ann	20.0	14.3	N/A	N/A	12.0	Jan 1993	7	22.5	Dec 1992	14	Jan 1993	19	7	Jan 1993	9.3	8.2	2.9	.6	.1	16.7	8.3	2.8	.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

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**Elevation: 4,800 Feet**

**Lat: 41° 52N**

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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	7/20	7/15	7/11	7/08	7/05	7/02	6/29	6/25	6/20
32	7/05	6/29	6/25	6/21	6/17	6/14	6/10	6/05	5/30
28	6/18	6/11	6/05	5/31	5/27	5/23	5/18	5/12	5/05
24	5/23	5/18	5/14	5/10	5/07	5/04	5/01	4/27	4/21
20	5/10	5/04	4/29	4/25	4/22	4/18	4/15	4/10	4/04
16	4/28	4/20	4/14	4/09	4/04	3/30	3/25	3/20	3/11
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	8/04	8/10	8/14	8/18	8/21	8/24	8/27	8/31	9/06
32	8/21	8/26	8/29	8/31	9/03	9/06	9/08	9/11	9/16
28	9/02	9/07	9/10	9/13	9/15	9/18	9/20	9/24	9/28
24	9/13	9/18	9/22	9/25	9/28	10/01	10/04	10/08	10/13
20	9/22	9/27	10/01	10/05	10/08	10/11	10/14	10/18	10/24
16	10/01	10/09	10/14	10/19	10/23	10/28	11/02	11/07	11/15
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	67	60	55	50	46	42	37	32	25
32	95	89	84	81	77	73	70	65	59
28	136	127	121	115	110	105	100	94	85
24	164	157	151	147	143	139	134	129	122
20	191	183	177	173	168	164	159	153	146
16	234	223	215	208	202	195	188	181	170

\* 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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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	1137	912	855	641	420	196	51	69	290	617	930	1166	7284
60	982	772	700	494	277	102	13	19	171	462	780	1011	5783
57	889	688	607	409	202	61	4	6	115	372	690	918	4961
55	827	632	545	354	159	40	2	3	84	314	630	856	4446
50	672	492	394	229	75	11	0	0	32	185	484	701	3275
32	191	99	36	12	0	0	0	0	0	3	93	218	652

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	76	111	205	360	605	827	1092	1029	712	410	152	75	5654
55	0	0	0	12	51	177	381	319	106	7	0	0	1053
57	0	0	0	7	32	138	321	260	76	4	0	0	838
60	0	0	0	2	15	88	237	179	43	1	0	0	565
65	0	0	0	0	2	33	120	75	12	0	0	0	242
70	0	0	0	0	0	8	44	18	2	0	0	0	72

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	5	18	55	163	364	596	872	809	491	231	43	4	5	23	78	241	605	1201	2073	2882	3373	3604	3647	3651
45	0	0	15	77	232	447	717	654	351	122	10	0	0	0	15	92	324	771	1488	2142	2493	2615	2625	2625
50	0	0	0	27	124	306	562	499	217	45	0	0	0	0	0	27	151	457	1019	1518	1735	1780	1780	1780
55	0	0	0	3	53	176	408	345	110	11	0	0	0	0	0	3	56	232	640	985	1095	1106	1106	1106
60	0	0	0	0	15	79	262	205	32	0	0	0	0	0	0	0	15	94	356	561	593	593	593	593
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	7	31	78	165	286	419	553	537	410	255	61	12	7	38	116	281	567	986	1539	2076	2486	2741	2802	2814

(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](http://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](http://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"><li>a. Temperature/ Precipitation Tables<ol style="list-style-type: none"><li>1. 1971-2000 Monthly Normals</li><li>2. Cooperative Summary of the Day</li><li>3. National Weather Service station records</li><li>4. 1971-2000 serially complete daily data</li></ol></li><li>b. Degree Day Table<ol style="list-style-type: none"><li>1. Monthly and Annual Heating and Cooling Degree Days Normals to Selected Bases derived from 1971-2000 Monthly Normals</li><li>2. Daily Normal Growing Degree Units to Selected Base Temperatures derived from 1971-2000 serially complete daily data</li></ol></li></ol> | <ol style="list-style-type: none"><li>c. Snow Tables<ol style="list-style-type: none"><li>1. Snow Climatology</li><li>2. Cooperative Summary of the Day</li></ol></li><li>d. Freeze Data Table<br/>1971-2000 serially complete daily data</li></ol> |
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## References

U.S. Climate Normals 1971-2000, [www.ncdc.noaa.gov/normal.html](http://www.ncdc.noaa.gov/normal.html)  
U.S. Climate Normals 1971-2000-Products Clim20, [www.ncdc.noaa.gov/oa/climate/normal/usnormalsprods.html](http://www.ncdc.noaa.gov/oa/climate/normal/usnormalsprods.html)  
Snow Climatology Project Description, [www.ncdc.noaa.gov/oa/climate/monitoring/snowclim/mainpage.html](http://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](http://www1.ncdc.noaa.gov/pub/data/special/serialcomplete_jam_0900.pdf)