

Climatography of the United States

No. 20

1971-2000

Station: DEETH, NV

COOP ID: 262189

Climate Division: NV 2

NWS Call Sign:

Elevation: 5,340 Feet Lat: 41°04N

Lon: 115°16W

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	35.5	9.4	22.5	59+	1970	23	30.2	1998	-36	1963	12	9.5	1989	1318	0	.0	.0	1.8	11.4	30.2	7.9
Feb	41.0	14.6	27.8	69	1986	28	37.3	1995	-31	1956	1	16.8	1984	1042	0	.0	.0	4.5	5.5	27.3	4.1
Mar	50.1	22.1	36.1	74+	1978	29	42.4	1986	-22	1966	4	29.8	1984	895	0	.0	.0	15.3	.8	28.6	.5
Apr	59.4	27.0	43.2	84	1980	20	48.0	1992	5	1968	17	36.3	1975	655	0	.0	.0	23.5	.1	24.3	.0
May	68.3	34.3	51.3	91	1954	19	56.3	1992	9	1961	5	46.0	1977	426	1	.0	@	29.7	.0	12.2	.0
Jun	78.0	40.3	59.2	99	1954	22	64.2	1988	19	1960	21	54.6	1993	196	21	.0	1.9	29.9	.0	3.2	.0
Jul	86.9	43.6	65.3	101	1960	19	68.9	1975	26	1966	3	58.0	1993	72	80	@	11.3	31.0	.0	.9	.0
Aug	85.8	41.3	63.6	100	2000	1	67.7	1971	18	1964	30	59.6	1976	97	52	@	9.6	31.0	.0	3.4	.0
Sep	76.6	33.0	54.8	98	1969	2	59.2	1990	8+	1961	25	49.2	1986	311	5	.0	1.1	29.8	.0	15.4	.0
Oct	63.5	23.7	43.6	86+	1964	5	48.5	1988	-5	1996	21	40.1	1984	663	0	.0	.0	27.4	.2	26.3	.1
Nov	46.5	17.6	32.1	75	1965	1	38.5	1995	-18+	1994	22	24.3	1994	989	0	.0	.0	11.7	2.9	27.9	1.8
Dec	36.8	9.8	23.3	62	1995	1	32.1	1977	-42	1990	23	11.2	1990	1293	0	.0	.0	2.1	9.0	30.2	7.4
Ann	60.7	26.4	43.6	101	Jul 1960	19	68.9	Jul 1975	-42	Dec 1990	23	9.5	Jan 1989	7957	159	.0	23.9	237.7	29.9	229.9	21.8

+ 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: 1951-2001

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

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No. 20 1971-2000

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

Station: DEETH, NV

COOP ID: 262189

Climate Division: NV 2

NWS Call Sign:

Elevation: 5,340 Feet Lat: 41°04N

Lon: 115°16W

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	1.16	1.09	.99	1979	11	2.74	1983	.00	1991	7.7	3.9	.4	.0	.15	.30	.50	.66	.83	1.00	1.20	1.43	1.74	2.23	2.69
Feb	.97	.89	.67	1958	23	2.79	1986	.09	1988	7.2	3.2	.3	.0	.18	.26	.40	.54	.67	.81	.98	1.18	1.45	1.87	2.28
Mar	1.38	1.23	1.60	1995	21	3.31	1995	.07	1994	9.1	4.6	.4	.1	.25	.37	.57	.76	.95	1.16	1.39	1.68	2.06	2.67	3.26
Apr	1.33	1.23	1.03	1963	27	3.00	1999	.12	1972	7.2	4.2	.4	.0	.25	.37	.57	.75	.93	1.13	1.35	1.62	1.98	2.56	3.11
May	1.78	1.24	2.30	1964	28	6.51	1980	.02	1974	8.5	5.2	.9	.2	.16	.29	.53	.77	1.04	1.35	1.71	2.16	2.79	3.83	4.85
Jun	.96	.67	1.35	1968	5	2.92	1995	.00+	1994	5.3	2.7	.3	@	.00	.12	.30	.45	.61	.78	.97	1.20	1.52	2.04	2.53
Jul	.44	.40	1.08	1966	31	1.58	1985	.00+	2000	3.4	1.3	.2	.0	.00	.00	.05	.11	.18	.27	.38	.53	.74	1.11	1.48
Aug	.47	.32	.65	1977	26	1.75	1977	.00+	1996	3.6	1.7	.1	.0	.00	.00	.07	.14	.22	.32	.44	.58	.79	1.14	1.49
Sep	.90	.54	1.38	1982	26	3.96	1982	.00+	1999	4.3	2.6	.3	.1	.00	.00	.15	.30	.45	.63	.84	1.12	1.48	2.11	2.73
Oct	.93	.82	.82	1975	7	2.58	1975	.00+	1995	4.7	3.1	.5	.0	.00	.06	.21	.35	.51	.68	.89	1.15	1.51	2.11	2.71
Nov	1.19	1.18	1.53	1965	24	2.61	1984	.13	1993	7.2	4.1	.2	.0	.21	.32	.50	.66	.82	1.00	1.21	1.45	1.78	2.31	2.82
Dec	.95	.73	.88	1996	5	3.23	1981	.00	1976	5.8	3.2	.4	.0	.03	.11	.24	.38	.53	.71	.91	1.17	1.52	2.11	2.70
Ann	12.46	11.86	2.30	May 1964	28	6.51	May 1980	.00+	Jul 2000	74.0	39.8	4.4	.4	7.32	8.24	9.47	10.42	11.29	12.14	13.04	14.04	15.28	17.11	18.73

+ 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: 1951-2001

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

Complete documentation available from:
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Station: DEETH, NV

COOP ID: 262189

Climate Division: NV 2

NWS Call Sign:

Elevation: 5,340 Feet

Lat: 41°04N

Lon: 115°16W

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	2.2	#	1	0	5.0	1971	13	9.0	1977	7	1971	13	7	1971	1.0	1.0	.3	.1	.0	.1	.0	.0	.0
Feb	2.1	.0	#	0	7.0	1993	10	8.7	1971	6	1972	25	1	1971	-9.9	-9.9	-9.9	-9.9	-9.9	.2	.2	.1	.0
Mar	1.1	.0	0	0	8.0	1973	21	8.0	1973	0	0	0	0	0	-9.9	-9.9	-9.9	-9.9	-9.9	.0	.0	.0	.0
Apr	2.2	.0	0	0	4.0	1975	5	12.0	1975	0	0	0	0	0	.6	.6	.4	.0	.0	.0	.0	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.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	#	.0	0	0	#	1972	30	#	1972	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	1.4	.0	0	0	5.0	1975	28	7.0	1975	0	0	0	0	0	-9.9	-9.9	-9.9	-9.9	-9.9	.0	.0	.0	.0
Dec	3.3	.0	#	0	5.0	1975	12	12.0	1972	5+	1975	12	1	1971	.9	.9	.6	.1	.0	.3	.3	.1	.0
Ann	12.3	#	N/A	N/A	8.0	Mar 1973	21	12.0+	Apr 1975	7	Jan 1971	13	7	Jan 1971	-9.9	-9.9	-9.9	-9.9	-9.9	.6	.5	.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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Elevation: 5,340 Feet

Lat: 41° 04N

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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	7/31	7/26	7/22	7/19	7/16	7/13	7/09	7/05	6/30
32	7/23	7/17	7/12	7/08	7/04	6/30	6/26	6/22	6/15
28	6/20	6/13	6/08	6/04	5/31	5/27	5/23	5/18	5/11
24	6/04	5/28	5/23	5/19	5/15	5/11	5/06	5/01	4/24
20	5/24	5/17	5/11	5/07	5/03	4/29	4/24	4/19	4/12
16	5/03	4/26	4/21	4/17	4/13	4/09	4/04	3/30	3/23
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	7/31	8/05	8/08	8/11	8/14	8/16	8/19	8/22	8/27
32	8/07	8/12	8/16	8/19	8/22	8/24	8/27	8/31	9/05
28	8/18	8/24	8/28	8/31	9/03	9/06	9/10	9/13	9/19
24	8/28	9/03	9/07	9/10	9/13	9/16	9/20	9/24	9/29
20	9/07	9/14	9/18	9/23	9/26	9/30	10/04	10/09	10/16
16	9/20	9/26	10/01	10/05	10/09	10/12	10/16	10/21	10/27
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	49	42	37	32	28	24	20	15	8
32	74	65	59	53	48	42	37	30	21
28	119	110	104	99	94	89	84	78	70
24	145	137	131	126	121	116	111	105	96
20	176	165	158	152	146	140	134	127	116
16	205	196	189	183	178	173	167	161	152

* 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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Elevation: 5,340 Feet Lat: 41°04N Lon: 115°16W

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	1318	1042	895	655	426	196	72	97	311	663	989	1293	7957
60	1163	902	740	505	280	95	18	29	181	508	839	1138	6398
57	1070	818	647	417	202	53	7	11	118	415	749	1045	5552
55	1008	762	585	360	157	33	2	5	83	354	689	983	5021
50	853	626	434	228	71	7	0	0	26	208	539	828	3820
32	359	214	57	7	0	0	0	0	0	2	112	322	1073

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	63	96	185	342	598	815	1031	978	684	362	113	52	5319
55	0	0	0	5	42	158	320	270	77	1	0	0	873
57	0	0	0	2	25	118	262	214	52	0	0	0	673
60	0	0	0	0	10	70	181	139	25	0	0	0	425
65	0	0	0	0	1	21	80	52	5	0	0	0	159
70	0	0	0	0	0	3	21	10	0	0	0	0	34

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	0	6	40	143	358	578	805	738	459	171	23	0	0	6	46	189	547	1125	1930	2668	3127	3298	3321	3321
45	0	0	5	59	223	430	650	583	313	79	3	0	0	0	5	64	287	717	1367	1950	2263	2342	2345	2345
50	0	0	0	18	113	287	495	428	182	21	0	0	0	0	0	18	131	418	913	1341	1523	1544	1544	1544
55	0	0	0	0	42	161	341	279	79	1	0	0	0	0	0	0	42	203	544	823	902	903	903	903
60	0	0	0	0	8	64	196	140	23	0	0	0	0	0	0	0	8	72	268	408	431	431	431	431
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	14	62	157	288	418	549	535	406	234	53	0	0	14	76	233	521	939	1488	2023	2429	2663	2716	2716

(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