

Climatography of the United States

No. 20

1971-2000

Station: DEWEY, UT

COOP ID: 422150

Climate Division: UT 7

NWS Call Sign:

Elevation: 4,120 Feet Lat: 38°49N Lon: 109°18W

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	41.0	12.6	26.8	64	1975	26	35.8	1981	-25	1989	13	7.6	1973	1191	0	.0	.0	5.9	8.1	30.4	5.5
Feb	50.6	20.2	35.4	73	1972	28	44.1	1986	-24	1989	6	16.6	1974	831	0	.0	.0	14.6	2.2	25.9	1.7
Mar	63.0	29.5	46.3	84	1978	29	50.7	1986	4	1971	6	41.3	1977	581	0	.0	.0	28.6	.0	20.8	.0
Apr	71.9	36.4	54.2	95	1992	29	61.0	1992	16+	1971	2	48.6	1975	336	10	.0	.5	29.6	.0	9.4	.0
May	81.6	45.0	63.3	100+	1977	31	67.1	1992	27	1968	7	58.4	1975	113	59	.1	5.0	31.0	.0	1.0	.0
Jun	93.0	52.5	72.8	111+	1970	27	78.0	1988	33	1990	2	66.6	1975	16	249	6.1	21.4	30.0	.0	.0	.0
Jul	99.2	59.6	79.4	113	1989	7	83.1	1994	43	1968	1	75.6	1993	0	447	17.3	29.5	31.0	.0	.0	.0
Aug	96.9	58.4	77.7	110	1972	12	82.8	1994	38	1992	28	74.1	1975	0	393	11.7	28.0	31.0	.0	.0	.0
Sep	87.5	48.1	67.8	107+	1990	15	72.7	1990	23	1970	26	63.7	1971	43	127	1.7	13.1	30.0	.0	.8	.0
Oct	73.4	35.3	54.4	94	2001	1	58.6	1988	9	1970	28	49.9	1982	334	4	.0	.9	30.6	.0	11.7	.0
Nov	56.1	24.6	40.4	80	1978	10	44.3	1978	-5	1976	28	33.6	2000	740	0	.0	.0	21.6	.1	25.5	.1
Dec	44.5	15.9	30.2	71	1995	4	38.0	1980	-13	1990	30	19.8	1978	1079	0	.0	.0	6.6	3.7	30.2	1.6
Ann	71.6	36.5	54.1	113	Jul 1989	7	83.1	Jul 1994	-25	Jan 1989	13	7.6	Jan 1973	5264	1289	36.9	98.4	290.5	14.1	155.7	8.9

+ 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: 1967-2001

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

027-A

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: DEWEY, UT

COOP ID: 422150

Climate Division: UT 7

NWS Call Sign:

Elevation: 4,120 Feet Lat: 38°49N

Lon: 109°18W

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	.82	.65	.95	1993	7	2.48	1993	.00+	1992	3.3	2.4	.4	.0	.00	.00	.18	.34	.49	.65	.83	1.06	1.36	1.82	2.28
Feb	.61	.52	.85	1996	21	2.72	1993	.00+	1988	3.4	2.1	.2	.0	.00	.00	.10	.20	.30	.42	.57	.76	1.01	1.44	1.87
Mar	.92	.99	1.05	1996	7	2.93	1980	.00+	1994	3.8	2.9	.5	@	.00	.00	.17	.35	.52	.70	.91	1.17	1.52	2.07	2.61
Apr	.78	.66	1.11	1985	21	2.29	1999	.00+	1989	3.3	2.5	.4	@	.00	.10	.25	.38	.50	.64	.80	.98	1.23	1.64	2.03
May	.95	.60	1.15	1993	17	3.82	1995	.00	1974	3.3	2.6	.7	.1	.02	.09	.21	.35	.50	.68	.89	1.16	1.54	2.18	2.81
Jun	.44	.37	1.46	1969	24	1.30+	1995	.00+	1994	1.3	1.1	.3	@	.00	.00	.00	.11	.21	.31	.42	.56	.76	1.08	1.38
Jul	.65	.56	1.05	1995	3	2.30	1987	.00+	2000	2.7	2.0	.4	.1	.00	.00	.00	.18	.32	.47	.64	.84	1.12	1.58	2.02
Aug	.63	.58	1.20	1995	21	1.50	1993	.00+	1985	2.4	1.7	.4	.1	.00	.00	.16	.32	.44	.55	.68	.83	1.02	1.30	1.60
Sep	.71	.65	.82	1985	18	2.53	1997	.00+	1993	2.7	2.2	.4	.0	.00	.00	.00	.29	.45	.60	.76	.95	1.19	1.59	1.95
Oct	1.33	1.04	.95+	1984	22	4.40	1972	.00+	1999	3.8	3.4	1.0	.0	.00	.00	.37	.60	.83	1.07	1.35	1.69	2.13	2.85	3.55
Nov	.87	.78	1.00	1987	6	2.50	1983	.00+	1995	3.2	2.5	.6	@	.00	.00	.29	.45	.59	.74	.91	1.12	1.37	1.79	2.19
Dec	.67	.58	.80	1994	12	2.28	1978	.00+	1989	2.8	2.3	.2	.0	.00	.15	.29	.39	.49	.59	.71	.84	1.01	1.29	1.54
Ann	9.38	9.01	1.46	Jun 1969	24	4.40	Oct 1972	.00+	Jul 2000	36.0	27.7	5.5	.3	4.74	5.53	6.60	7.45	8.24	9.02	9.85	10.80	11.98	13.75	15.33

+ 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: 1967-2001

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

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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: DEWEY, UT

COOP ID: 422150

Climate Division: UT 7

NWS Call Sign:

Elevation: 4,120 Feet

Lat: 38°49N

Lon: 109°18W

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	3.8	3.5	1	0	8.0	1991	4	12.0	1993	19	1974	27	8	1974	1.8	1.7	.9	.4	.0	1.7	.0	.0	.0
Feb	.8	.0	#	0	5.0	1989	4	7.0	1989	2	1999	11	#	1999	.2	.2	.1	.1	.0	-9.9	-9.9	-9.9	-9.9
Mar	.1	.0	0	0	2.0	1977	10	2.0	1977	8	1979	3	8	1979	.1	.1	.0	.0	.0	.0	.0	.0	.0
Apr	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.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	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.9	.0	0	0	3.0	1973	26	6.0	1979	0	0	0	0	0	.4	.4	.2	.0	.0	-9.9	-9.9	-9.9	-9.9
Dec	3.3	3.0	0	0	6.0	1971	13	12.0	1992	6	1998	21	2	1979	1.3	1.2	.7	.1	.0	-9.9	-9.9	-9.9	-9.9
Ann	8.9	6.5	N/A	N/A	8.0	Jan 1991	4	12.0+	Jan 1993	19	Jan 1974	27	8+	Mar 1979	3.8	3.6	1.9	.6	.0	-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:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: DEWEY, UT

COOP ID: 422150

Climate Division: UT 7

NWS Call Sign:

Elevation: 4,120 Feet

Lat: 38° 49N

Lon: 109° 18W

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	5/29	5/24	5/20	5/17	5/14	5/11	5/08	5/04	4/29
32	5/17	5/12	5/09	5/06	5/03	5/01	4/28	4/25	4/20
28	5/04	4/28	4/23	4/20	4/16	4/13	4/09	4/05	3/30
24	4/17	4/11	4/07	4/04	3/31	3/28	3/24	3/20	3/14
20	4/12	4/04	3/29	3/23	3/19	3/14	3/08	3/02	2/22
16	3/26	3/17	3/10	3/04	2/26	2/21	2/15	2/08	1/29
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	9/17	9/20	9/23	9/25	9/27	9/29	10/02	10/04	10/08
32	9/22	9/26	9/30	10/02	10/05	10/08	10/10	10/14	10/18
28	10/03	10/07	10/11	10/13	10/16	10/19	10/22	10/25	10/29
24	10/16	10/20	10/23	10/26	10/28	10/31	11/02	11/05	11/09
20	10/27	10/31	11/04	11/07	11/10	11/12	11/15	11/19	11/23
16	11/02	11/07	11/11	11/14	11/17	11/20	11/23	11/27	12/02
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	153	147	143	139	136	132	129	124	119
32	173	166	162	158	154	150	146	141	135
28	202	195	190	186	182	178	174	169	162
24	231	224	219	214	210	206	202	196	189
20	264	254	247	241	235	230	223	216	206
16	293	283	276	269	263	257	251	244	233

* 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/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: DEWEY, UT

COOP ID: 422150

Climate Division: UT 7

NWS Call Sign:

Elevation: 4,120 Feet Lat: 38° 49N Lon: 109° 18W

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	1191	831	581	336	113	16	0	0	43	334	740	1079	5264
60	1044	700	427	211	43	3	0	0	10	198	590	924	4150
57	958	622	340	150	20	0	0	0	3	131	500	831	3555
55	901	571	283	115	11	0	0	0	1	94	440	769	3185
50	762	450	163	50	2	0	0	0	0	33	295	617	2372
32	357	146	5	0	0	0	0	0	0	0	12	161	681

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	194	241	447	663	969	1223	1470	1415	1074	693	262	105	8756
55	26	22	12	89	267	533	757	702	385	74	0	0	2867
57	20	17	7	63	214	473	695	640	326	49	0	0	2504
60	14	12	1	34	144	386	602	547	243	23	0	0	2006
65	0	0	0	10	59	249	447	393	127	4	0	0	1289
70	0	0	0	1	16	138	294	243	49	0	0	0	741

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	4	45	206	428	731	996	1238	1176	845	450	87	5	4	49	255	683	1414	2410	3648	4824	5669	6119	6206	6211
45	0	13	95	285	576	846	1083	1021	695	307	32	0	0	13	108	393	969	1815	2898	3919	4614	4921	4953	4953
50	0	0	32	163	422	696	928	866	545	176	5	0	0	0	32	195	617	1313	2241	3107	3652	3828	3833	3833
55	0	0	6	71	273	546	773	711	395	76	0	0	0	0	6	77	350	896	1669	2380	2775	2851	2851	2851
60	0	0	0	23	148	398	618	556	258	20	0	0	0	0	0	23	171	569	1187	1743	2001	2021	2021	2021
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	12	64	199	327	490	593	717	699	544	362	108	10	12	76	275	602	1092	1685	2402	3101	3645	4007	4115	4125

(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