

Climatology of the United States

No. 20

1971-2000

Station: LINDRITH 1 WSW, NM

COOP ID: 294960

Climate Division: NM 2

NWS Call Sign:

Elevation: 7,220 Feet Lat: 36° 18N

Lon: 107° 03W

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	40.3	9.4	24.9	65	1986	19	32.3	1986	-25	1979	2	17.9	1979	1244	0	.0	.0	4.1	5.3	30.9	5.4
Feb	44.3	13.7	29.0	67	1986	25	35.6	1995	-22	1985	2	20.5	1975	1008	0	.0	.0	8.0	2.2	28.0	2.1
Mar	51.5	20.7	36.1	73+	1989	10	43.6	1989	-8	1975	28	30.0	1975	897	0	.0	.0	19.1	.5	29.0	.2
Apr	59.8	25.0	42.4	81	2000	28	50.7	1989	-2	1980	1	36.0	1973	678	0	.0	.0	26.0	.0	23.1	.1
May	70.0	35.2	52.6	91	2000	30	59.8	1996	12	1975	9	46.9	1975	392	7	.0	.1	30.6	.0	9.4	.0
Jun	81.9	44.3	63.1	99	1998	30	70.8	2000	21	1976	15	58.4	1983	127	70	.0	2.8	30.0	.0	1.8	.0
Jul	85.7	50.5	68.1	100	1995	29	71.8	1994	31	1995	5	65.2+	1986	19	116	@	6.6	31.0	.0	@	.0
Aug	82.9	49.8	66.4	96+	1995	8	70.8	1994	35+	1980	21	63.9	1999	38	80	.0	2.5	31.0	.0	.0	.0
Sep	76.2	41.6	58.9	92	1995	4	62.9	1998	18	1985	30	54.7	1985	200	17	.0	.3	30.0	.0	2.5	.0
Oct	65.2	30.5	47.9	84+	1980	1	53.8	1992	0+	1998	14	42.0	1984	533	0	.0	.0	28.8	.1	17.9	.0
Nov	50.4	18.9	34.7	74	1999	13	41.1	1999	-19	1976	28	28.6	1979	911	0	.0	.0	15.7	1.4	28.1	.5
Dec	42.4	12.2	27.3	65+	1980	27	34.0	1980	-25	1978	9	20.6	1978	1168	0	.0	.0	6.1	3.5	30.8	3.1
Ann	62.6	29.3	46.0	100	Jul 1995	29	71.8	Jul 1994	-25+	Jan 1979	2	17.9	Jan 1979	7215	290	@	12.3	260.4	13.0	201.5	11.4

+ 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: 1971-2001

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

056-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: LINDRITH 1 WSW, NM

COOP ID: 294960

Climate Division: NM 2

NWS Call Sign:

Elevation: 7,220 Feet Lat: 36°18N

Lon: 107°03W

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	1.03	.81	.92	1989	25	2.40	1997	.08	1996	5.7	3.7	.3	.0	.13	.21	.36	.50	.65	.82	1.02	1.26	1.58	2.12	2.63
Feb	.83	.64	.95+	1997	25	2.15	1997	.00	1995	5.5	3.2	.2	.0	.10	.21	.35	.47	.58	.71	.85	1.02	1.24	1.60	1.93
Mar	1.41	1.27	1.30	1985	12	4.11	2000	.01	1988	6.6	3.9	.5	.2	.11	.20	.39	.58	.80	1.05	1.34	1.72	2.24	3.11	3.97
Apr	.82	.68	.83	1999	23	2.51	1985	.00+	1996	4.3	2.9	.3	.0	.00	.05	.18	.30	.44	.59	.78	1.01	1.33	1.87	2.40
May	1.00	.98	1.17	1997	25	2.39	1978	.00+	1998	4.9	2.8	.4	.1	.00	.07	.22	.38	.54	.73	.96	1.23	1.62	2.27	2.90
Jun	.84	.53	1.83	1981	29	2.62	1991	.00+	1998	4.1	2.2	.4	.1	.00	.00	.15	.29	.43	.60	.80	1.05	1.39	1.96	2.52
Jul	1.88	1.63	1.55	1997	28	5.50	1999	.00	1993	8.3	5.5	1.1	.2	.33	.59	.91	1.16	1.42	1.68	1.97	2.31	2.75	3.45	4.10
Aug	2.24	1.90	2.00	1984	14	4.80	1984	.58	1987	9.6	6.2	1.2	.2	.77	.98	1.29	1.55	1.80	2.05	2.33	2.66	3.08	3.73	4.32
Sep	1.27	1.29	1.30	1971	29	2.88	1971	.00	1979	5.0	3.8	.7	.1	.10	.24	.44	.63	.82	1.03	1.27	1.56	1.96	2.60	3.22
Oct	1.20	.80	2.25	1998	27	4.45	1972	.00+	1999	4.9	3.4	.8	.1	.00	.09	.28	.47	.67	.89	1.16	1.49	1.94	2.71	3.45
Nov	1.12	1.06	1.52	1977	7	2.70	1986	.00	1995	4.6	3.1	.4	.1	.12	.25	.44	.60	.77	.94	1.14	1.38	1.70	2.21	2.70
Dec	.84	.58	1.84	1978	18	2.92	1983	.00	1985	4.5	2.7	.4	@	.02	.07	.18	.30	.43	.59	.78	1.02	1.36	1.94	2.51
Ann	14.48	14.78	2.25	Oct 1998	27	5.50	Jul 1999	.00+	Oct 1999	68.0	43.4	6.7	1.1	9.25	10.22	11.48	12.46	13.33	14.19	15.08	16.08	17.29	19.08	20.64

+ 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: 1971-2001

(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: LINDRITH 1 WSW, NM

COOP ID: 294960

Climate Division: NM 2

NWS Call Sign:

Elevation: 7,220 Feet

Lat: 36° 18N

Lon: 107° 03W

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	14.4	14.0	3	1	10.0	1974	1	29.5	1979	22	1991	21	15	1991	5.2	4.4	2.6	.9	.1	-9.9	-9.9	-9.9	-9.9
Feb	12.5	12.5	2	1	10.0	1989	5	40.0	1982	17	1989	7	8	1995	4.6	3.7	1.7	.6	@	-9.9	-9.9	-9.9	-9.9
Mar	9.2	8.3	#	#	14.0	1975	11	27.5	1975	10	2000	22	2	2000	3.6	3.1	1.4	.5	.1	2.8	1.0	.6	.1
Apr	3.3	2.0	#	0	8.0	1983	4	14.0	1983	4	1998	7	#+	1999	1.6	1.4	.5	.2	.0	.5	.1	.0	.0
May	.2	.0	#	0	2.0	1982	13	2.0+	1983	10	1978	5	1	1978	.1	.1	.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	2	2000	19	#	2000	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	1.0	1986	24	1.0	1986	0	0	0	0	0	@	@	.0	.0	.0	.0	.0	.0	.0
Oct	2.2	.0	#	0	10.0	1991	30	21.5	1991	20	1991	31	1	1991	.7	.5	.4	.2	.1	.2	.1	.1	.1
Nov	7.1	6.8	1	#	10.0	1993	14	22.3	1983	18	1983	27	4	1983	2.4	2.2	.9	.4	@	3.9	2.3	.9	.3
Dec	6.6	5.9	2	#	12.0	1992	5	21.8	1991	20	1990	31	10	1992	3.4	2.8	1.3	.4	.1	4.9	3.5	3.2	1.5
Ann	55.5	49.5	N/A	N/A	14.0	Mar 1975	11	40.0	Feb 1982	22	Jan 1991	21	15	Jan 1991	21.6	18.2	8.8	3.2	.4	-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: LINDRITH 1 WSW, NM

COOP ID: 294960

Climate Division: NM 2

NWS Call Sign:

Elevation: 7,220 Feet

Lat: 36° 18N

Lon: 107° 03W

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	7/02	6/26	6/21	6/17	6/14	6/10	6/06	6/02	5/26
32	6/27	6/20	6/15	6/10	6/06	6/02	5/28	5/23	5/16
28	6/14	6/06	6/01	5/28	5/23	5/19	5/15	5/09	5/02
24	5/29	5/20	5/13	5/08	5/03	4/28	4/22	4/16	4/07
20	5/19	5/10	5/04	4/28	4/23	4/18	4/13	4/06	3/29
16	5/06	4/27	4/20	4/14	4/09	4/04	3/29	3/22	3/13
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	9/01	9/06	9/09	9/12	9/15	9/18	9/21	9/25	9/30
32	9/11	9/17	9/22	9/25	9/29	10/02	10/06	10/10	10/16
28	9/15	9/22	9/26	9/30	10/04	10/07	10/11	10/16	10/22
24	9/26	10/02	10/06	10/10	10/13	10/17	10/20	10/25	10/30
20	10/06	10/12	10/17	10/21	10/25	10/28	11/01	11/06	11/12
16	10/14	10/19	10/24	10/27	10/31	11/03	11/07	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	120	111	104	98	93	87	81	75	65
32	147	136	127	121	114	108	101	93	81
28	165	154	146	139	133	126	119	111	100
24	200	187	178	170	163	156	148	139	126
20	217	206	197	190	183	177	170	161	150
16	236	225	217	210	204	198	191	183	172

* 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

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

Station: LINDRITH 1 WSW, NM

COOP ID: 294960

Climate Division: NM 2

NWS Call Sign:

Elevation: 7,220 Feet Lat: 36°18N

Lon: 107°03W

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	1244	1008	897	678	392	127	19	38	200	533	911	1168	7215
60	1089	868	742	528	257	57	2	5	97	382	761	1013	5801
57	996	784	649	441	189	31	0	1	55	296	671	920	5033
55	934	728	587	385	149	19	0	0	35	244	611	858	4550
50	779	588	437	255	72	5	0	0	8	133	461	703	3441
32	263	156	58	14	0	0	0	0	0	1	54	185	731

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	42	72	184	327	638	933	1120	1065	808	491	133	40	5853
55	0	0	0	8	74	262	407	352	153	21	0	0	1277
57	0	0	0	4	52	214	345	291	113	12	0	0	1031
60	0	0	0	1	28	151	254	203	65	4	0	0	706
65	0	0	0	0	7	70	116	80	17	0	0	0	290
70	0	0	0	0	1	23	29	15	2	0	0	0	70

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	5	54	166	419	703	883	821	576	272	35	0	0	5	59	225	644	1347	2230	3051	3627	3899	3934	3934
45	0	0	16	74	274	553	728	666	427	149	8	0	0	0	16	90	364	917	1645	2311	2738	2887	2895	2895
50	0	0	0	25	151	404	573	511	282	58	0	0	0	0	0	25	176	580	1153	1664	1946	2004	2004	2004
55	0	0	0	3	58	258	418	356	149	14	0	0	0	0	0	3	61	319	737	1093	1242	1256	1256	1256
60	0	0	0	0	12	137	263	203	56	0	0	0	0	0	0	0	12	149	412	615	671	671	671	671
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	4	24	81	179	324	485	562	526	396	239	68	12	4	28	109	288	612	1097	1659	2185	2581	2820	2888	2900

(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.
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