U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

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: REIDSVILLE 2 NW, NC **COOP ID: 317202**

Climate Division: NC 3 **NWS Call Sign:** **Elevation: 890 Feet** **Lat: 36˚23N** **Lon: 79˚42W**

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	47.0	27.1	37.1	76	1975	30	45.8	1974	-9	1985	21	26.2	1977	867	0	.0	.0	12.0	3.1	22.0	.3
Feb	51.1	29.5	40.3	82	1977	27	48.1	1976	0	1996	5	31.0	1978	692	0	.0	.0	14.9	1.8	18.3	@
Mar	59.7	37.0	48.4	87	1990	13	53.7	1976	10+	1993	15	43.1	1996	517	0	.0	.0	24.8	.3	10.2	.0
Apr	69.4	45.5	57.5	91+	1985	23	62.4	1985	21	1974	11	52.9	1983	238	11	.0	.2	29.0	.0	1.9	.0
May	76.9	54.1	65.5	95	1985	15	70.4	1991	32+	1973	1	61.4	1992	75	91	.0	.8	30.9	.0	.1	.0
Jun	84.4	62.4	73.4	99	1986	29	77.5	1981	41+	1977	9	69.0	1979	6	258	.0	5.9	30.0	.0	.0	.0
Jul	88.2	66.4	77.3	101	1977	9	81.1	1986	50	1988	2	73.5	1984	0	381	.2	11.8	31.0	.0	.0	.0
Aug	86.8	64.4	75.6	103+	1988	19	79.8	1988	44	1966	17	72.4	1992	0	328	.2	8.8	31.0	.0	.0	.0
Sep	80.7	57.8	69.3	98	1983	12	74.3	1998	35	1983	24	66.2	1974	25	153	.0	3.0	30.0	.0	.0	.0
Oct	70.5	45.6	58.1	90	1986	5	65.9	1984	23+	1976	28	52.3	1976	246	32	.0	@	30.6	.0	1.8	.0
Nov	60.7	38.0	49.4	85	1974	3	56.7	1985	10	1970	24	43.7	1976	471	2	.0	.0	25.0	.0	9.1	.0
Dec	51.0	30.5	40.8	80	1998	8	48.5	1984	-1	1983	25	31.5	1989	752	0	.0	.0	16.1	1.3	19.3	@
Ann	68.9	46.5	57.7	103+	Aug 1988	19	81.1	Jul 1986	-9	Jan 1985	21	26.2	Jan 1977	3889	1256	.4	30.5	305.3	6.5	82.7	.3

\+ 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

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1962-2001

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

Issue Date: February 2004

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Precipitation (inches)

Precipitation Totals

Month	Means/ Medians(1) Mean	Means/ Medians(1) Median	Extremes Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year
Jan	4.22	4.09	2.52	1992	4	9.10	1978	.76	1986
Feb	3.43	3.50	2.65	1984	14	6.41	1998	.67	1978
Mar	4.43	3.19	3.42	1975	30	10.79	1975	.71	1985
Apr	3.85	3.47	5.07	1987	16	10.92	1987	.69	1985
May	4.13	3.63	3.60	1989	23	8.59	1989	1.19	1997
Jun	3.95	3.41	5.15	1972	21	14.99	1995	.71	1991
Jul	4.73	3.89	3.62	1993	2	11.26	1975	.40	1983
Aug	3.67	3.15	4.45	1996	7	8.76	1996	1.22	1997
Sep	4.38	3.70	5.26	1979	22	15.15	1999	.05+	1985
Oct	3.73	3.09	4.10	1976	9	11.56	1990	.00	2000
Nov	3.21	3.04	2.38	1989	16	7.08	1985	.44	1981
Dec	3.19	3.49	2.50	1990	4	6.45	1973	.37	1980
Ann	46.92	45.21	5.26	Sep 1979	22	15.15	Sep 1999	.00	Oct 2000

Mean Number of Days (3)

Month	Daily Precipitation >= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	10.9	7.3	3.2	1.0
Feb	9.5	6.8	2.7	.7
Mar	11.1	7.5	2.9	1.3
Apr	9.6	6.5	2.6	1.0
May	11.0	7.0	2.9	1.2
Jun	10.0	6.5	2.5	1.1
Jul	10.5	6.8	3.0	1.5
Aug	9.3	5.8	2.4	.9
Sep	8.6	5.6	2.3	1.4
Oct	7.3	5.2	2.5	1.2
Nov	9.1	5.6	2.3	1.0
Dec	9.7	6.2	2.1	.7
Ann	116.6	76.8	31.4	13.0

Precipitation Probabilities (1)

Probability that the monthly/annual precipitation will be equal to or less than the indicated amount

Monthly/Annual Precipitation vs Probability Levels
These values were determined from the incomplete gamma distribution

Month	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.26	1.66	2.26	2.78	3.29	3.81	4.39	5.06	5.94	7.31	8.58
Feb	1.12	1.44	1.92	2.33	2.73	3.13	3.58	4.10	4.77	5.81	6.78
Mar	1.22	1.64	2.28	2.84	3.38	3.95	4.59	5.33	6.30	7.83	9.25
Apr	.70	1.05	1.61	2.13	2.67	3.24	3.90	4.69	5.74	7.44	9.05
May	1.47	1.86	2.42	2.90	3.35	3.81	4.31	4.90	5.65	6.81	7.87
Jun	.76	1.11	1.69	2.23	2.77	3.35	4.02	4.82	5.87	7.58	9.20
Jul	.98	1.41	2.11	2.74	3.38	4.06	4.82	5.75	6.97	8.91	10.76
Aug	1.00	1.35	1.88	2.34	2.80	3.27	3.80	4.43	5.24	6.52	7.71
Sep	.25	.49	1.02	1.61	2.29	3.08	4.05	5.29	7.03	10.00	12.96
Oct	.40	.84	1.47	2.01	2.55	3.14	3.80	4.60	5.66	7.36	8.98
Nov	1.02	1.32	1.77	2.16	2.53	2.92	3.35	3.84	4.49	5.49	6.41
Dec	.71	1.00	1.47	1.89	2.31	2.76	3.27	3.87	4.67	5.94	7.14
Ann	33.69	36.26	39.55	42.04	44.25	46.39	48.60	51.03	53.98	58.25	61.95

\+ 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: 1962-2001
(3) Derived from 1971-2000 serially complete daily data

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Snow (inches)

Snow Totals

Means/Medians (1)

Extremes (2)

Mean Number of Days (1)

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	2.2	1	#	11.0	1987	22	19.0	1987	13	1987	23	3+	2000	1.6	1.2	.6	.2	@	3.6	2.0	1.1	.2
Feb	4.1	1.1	#	#	10.5	1989	18	22.5	1989	10	1989	18	2	1979	1.6	1.2	.7	.2	@	2.7	1.5	.6	@
Mar	1.8	.0	#	0	9.0	1981	23	9.0	1981	9	1981	23	1	1980	.5	.5	.2	.1	.0	.6	.5	.2	.0
Apr	#	.0	#	0	#	1987	5	#+	1987	#	1995	12	#	1995	.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	.1	.0	#	0	1.0	1972	17	1.0+	1987	1	1972	17	#+	1987	.1	.1	.0	.0	.0	@	.0	.0	.0
Dec	1.0	.0	#	0	7.0	1973	17	7.0	1973	7	1973	17	1	1989	.5	.4	.1	@	.0	.8	.3	.1	.0
Ann	11.5	3.3	N/A	N/A	11.0	Jan 1987	22	22.5	Feb 1989	13	Jan 1987	23	3+	Jan 2000	4.3	3.4	1.6	.5	@	7.7	4.3	2.0	.2

+ 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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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	5/08	5/02	4/29	4/25	4/22	4/19	4/16	4/12	4/07
32	4/24	4/19	4/15	4/12	4/09	4/06	4/03	3/30	3/25
28	4/10	4/05	4/01	3/28	3/25	3/22	3/19	3/15	3/09
24	4/04	3/27	3/21	3/17	3/12	3/08	3/03	2/26	2/18
20	3/21	3/14	3/09	3/04	2/28	2/24	2/20	2/14	2/07
16	3/09	2/28	2/21	2/15	2/10	2/05	1/30	1/23	1/14

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	10/02	10/06	10/09	10/12	10/15	10/17	10/20	10/23	10/27
32	10/09	10/15	10/20	10/24	10/27	10/31	11/04	11/08	11/14
28	10/18	10/25	10/30	11/04	11/08	11/12	11/17	11/22	11/29
24	11/06	11/12	11/17	11/21	11/24	11/28	12/02	12/07	12/13
20	11/18	11/25	11/29	12/04	12/07	12/11	12/15	12/20	12/27
16	11/28	12/08	12/14	12/20	12/25	12/31	1/05	1/12	1/21

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	193	187	182	178	175	171	167	162	156
32	222	215	209	205	201	196	192	186	179
28	257	246	239	233	227	221	215	207	197
24	283	274	267	262	256	251	245	239	230
20	307	298	292	287	282	277	271	265	256
16	>365	338	327	319	312	306	299	291	280

***** 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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Degree Days to Selected Base Temperatures (˚F)

Heating Degree Days (1)

Base Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	867	692	517	238	75	6	0	0	25	246	471	752	3889
60	712	552	369	123	22	0	0	0	5	142	331	598	2854
57	626	469	287	74	8	0	0	0	2	95	253	513	2327
55	567	418	236	49	4	0	0	0	1	70	207	455	2007
50	426	291	133	13	0	0	0	0	0	27	114	321	1325
32	84	28	2	0	0	0	0	0	0	0	1	41	156

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	241	260	509	764	1039	1242	1404	1351	1118	808	522	312	9570
55	10	7	30	123	330	552	691	638	428	166	37	13	3025
57	7	1	18	87	272	492	629	576	369	129	24	9	2613
60	0	0	8	47	194	403	536	483	283	83	11	1	2049
65	0	0	0	11	91	258	381	328	153	32	2	0	1256
70	0	0	0	1	30	134	231	182	57	9	0	0	644

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	82	128	292	527	790	1001	1153	1102	874	556	299	132	82	210	502	1029	1819	2820	3973	5075	5949	6505	6804	6936
45	37	69	185	384	635	851	998	947	724	406	186	72	37	106	291	675	1310	2161	3159	4106	4830	5236	5422	5494
50	12	28	97	254	482	701	843	792	575	268	105	32	12	40	137	391	873	1574	2417	3209	3784	4052	4157	4189
55	0	8	48	149	332	552	688	637	425	153	47	12	0	8	56	205	537	1089	1777	2414	2839	2992	3039	3051
60	0	1	15	74	202	402	533	482	283	69	11	0	0	1	16	90	292	694	1227	1709	1992	2061	2072	2072
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	53	89	181	319	497	680	797	755	573	344	178	83	53	142	323	642	1139	1819	2616	3371	3944	4288	4466	4549

(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:
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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.
Compete documentation for the 1971-2000 Normals is available on the internet from:
www.ncdc.noaa.gov/oa/climate/normals/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 are 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/normals.html
U.S. Climate Normals 1971-2000-Products Clim20, www.ncdc.noaa.gov/oa/climate/normals/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