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: DEQUEEN, AR **COOP ID: 031948**

Climate Division: AR 7 **NWS Call Sign:** **Elevation: 420 Feet** **Lat: 34˚02N** **Lon: 94˚21W**

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	51.9	27.7	39.8	81+	1950	25	46.6	1990	-5	1962	12	28.3	1977	782	0	.0	.0	18.6	1.1	21.0	.1
Feb	58.0	31.4	44.7	88+	1980	22	51.6	1976	-14	1951	2	32.9	1978	568	0	.0	.0	21.3	.7	14.5	.0
Mar	66.3	39.0	52.7	94	1974	31	57.8	1974	11	1996	9	46.3	1996	386	3	.0	@	29.1	@	7.4	.0
Apr	74.0	46.7	60.4	94+	1987	19	65.2	1981	25+	1950	6	55.8	1993	165	26	.0	.3	29.8	.0	1.3	.0
May	80.8	57.2	69.0	96	1956	19	73.5	1987	34	1954	4	64.6	1981	36	160	.0	2.5	31.0	.0	.0	.0
Jun	88.0	65.4	76.7	103	1953	21	80.7	1998	46	1970	3	73.4	1976	0	351	.3	14.4	30.0	.0	.0	.0
Jul	92.5	69.4	81.0	108	1954	24	86.9	1998	52	1972	6	77.7	1976	0	494	3.4	24.6	31.0	.0	.0	.0
Aug	92.9	68.2	80.6	109+	1954	30	84.8	2000	50	1967	13	75.3	1992	0	482	5.2	23.8	31.0	.0	.0	.0
Sep	86.3	61.5	73.9	108+	2000	1	79.8	1998	35	1967	29	67.6	1974	12	278	1.1	12.0	30.0	.0	.0	.0
Oct	76.2	49.2	62.7	99	1953	1	67.4	1971	20	1952	29	54.9	1976	131	60	.0	1.1	30.9	.0	.9	.0
Nov	63.4	38.5	51.0	88	1984	1	56.7	1999	8	1976	29	42.5	1976	427	6	.0	.0	27.1	.0	9.1	.0
Dec	54.4	31.0	42.7	82+	1951	31	52.1	1984	-5	1963	23	32.9	1983	691	0	.0	.0	21.9	1.0	18.0	.1
Ann	73.7	48.8	61.3	109+	Aug 1954	30	86.9	Jul 1998	-14	Feb 1951	2	28.3	Jan 1977	3198	1860	10.0	78.7	331.7	2.8	72.2	.2

\+ 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: 1948-2001

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

Issue Date: February 2004

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: DEQUEEN, AR **COOP ID: 031948**

Climate Division: AR 7 **NWS Call Sign:** **Elevation: 420 Feet** **Lat: 34˚02N** **Lon: 94˚21W**

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	3.58	3.22	5.25	1969	30	8.38	1994	.13	1983
Feb	3.66	3.45	4.23	1950	12	8.43	1997	1.13	1972
Mar	5.17	4.30	5.98	1990	8	12.68	1977	.95	1974
Apr	4.85	4.03	6.55	1986	4	13.07	1986	.12	1987
May	6.15	6.40	4.70	1968	17	11.51	1984	.43	1988
Jun	4.65	4.12	3.24	1974	7	10.23	2000	.89	1988
Jul	4.07	3.15	4.96	1983	2	10.86	1979	.10	1993
Aug	2.32	2.41	4.35	1970	20	6.76	1988	.10+	1990
Sep	4.47	3.54	7.92	1980	28	12.02	1980	.82	1981
Oct	5.20	4.96	4.90	1990	8	15.67	1984	.13	1975
Nov	5.74	5.13	6.50	1978	16	14.51	1978	.74	1989
Dec	5.25	4.29	6.24	1982	2	13.38	1982	.27	1981
Ann	55.11	55.06	7.92	Sep 1980	28	15.67	Oct 1984	.10+	Jul 1993

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	7.8	6.2	2.6	.9
Feb	7.2	5.7	2.6	1.1
Mar	8.5	6.7	3.4	1.6
Apr	8.2	6.4	3.3	1.5
May	9.6	7.6	3.9	2.0
Jun	7.7	6.1	3.2	1.6
Jul	6.8	5.3	2.5	1.3
Aug	5.3	4.1	1.3	.7
Sep	7.1	5.6	2.8	1.5
Oct	7.0	5.6	3.0	1.7
Nov	7.7	6.4	3.5	2.2
Dec	8.1	6.0	3.4	1.6
Ann	91.0	71.7	35.5	17.7

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	.48	.78	1.29	1.78	2.31	2.88	3.55	4.37	5.48	7.30	9.05
Feb	1.37	1.71	2.20	2.61	3.00	3.39	3.82	4.32	4.96	5.94	6.83
Mar	1.27	1.75	2.50	3.17	3.84	4.54	5.32	6.25	7.47	9.40	11.21
Apr	.90	1.33	2.04	2.70	3.37	4.10	4.92	5.91	7.24	9.36	11.39
May	1.73	2.31	3.20	3.97	4.72	5.50	6.37	7.40	8.74	10.83	12.78
Jun	.92	1.34	2.03	2.65	3.28	3.96	4.73	5.66	6.89	8.85	10.72
Jul	.48	.80	1.37	1.94	2.54	3.22	4.00	4.98	6.30	8.48	10.60
Aug	.15	.29	.58	.90	1.26	1.67	2.17	2.81	3.70	5.20	6.69
Sep	.73	1.12	1.77	2.38	3.02	3.71	4.49	5.45	6.74	8.81	10.80
Oct	.47	.83	1.53	2.25	3.04	3.94	5.00	6.33	8.16	11.22	14.22
Nov	1.11	1.62	2.46	3.24	4.03	4.87	5.83	6.99	8.52	10.99	13.33
Dec	1.08	1.56	2.33	3.04	3.75	4.50	5.36	6.39	7.75	9.92	11.98
Ann	39.55	42.57	46.44	49.37	51.97	54.48	57.07	59.93	63.40	68.43	72.77

\+ 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: 1948-2001
(3) Derived from 1971-2000 serially complete daily data

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

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

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: DEQUEEN, AR **COOP ID: 031948**

Climate Division: AR 7 **NWS Call Sign:** **Elevation: 420 Feet** **Lat: 34°02N** **Lon: 94°21W**

Snow (inches)

Snow Totals

Means/Medians (1)

Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median
Jan	2.0	.3	#	0
Feb	.4	.0	#	0
Mar	.1	.0	#	0
Apr	.0	.0	0	0
May	.0	.0	0	0
Jun	.0	.0	0	0
Jul	.0	.0	0	0
Aug	.0	.0	0	0
Sep	.0	.0	0	0
Oct	.0	.0	0	0
Nov	.1	.0	#	0
Dec	.4	.0	#	0
Ann	3.0	.3	N/A	N/A

Extremes (2)

Month	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year
Jan	9.5	2000	28	12.5	2000	10	2000	28	1+	2000
Feb	3.0	1997	13	3.0	1997	3	1997	13	#+	1997
Mar	1.0	1989	5	1.0	1989	1+	1989	5	#+	1989
Apr	.0	0	0	.0	0	0	0	0	0	0
May	.0	0	0	.0	0	0	0	0	0	0
Jun	.0	0	0	.0	0	0	0	0	0	0
Jul	.0	0	0	.0	0	0	0	0	0	0
Aug	.0	0	0	.0	0	0	0	0	0	0
Sep	.0	0	0	.0	0	0	0	0	0	0
Oct	.0	0	0	.0	0	0	0	0	0	0
Nov	1.0	1975	27	1.0+	1997	1	1997	15	#	1997
Dec	2.3	2000	13	4.5	2000	6	1983	16	#+	2000
Ann	9.5	Jan 2000	28	12.5	Jan 2000	10	Jan 2000	28	1+	Jan 2000

Mean Number of Days (1)

Snow Fall >= Thresholds

Month	0.1	1.0	3.0	5.0	10.0
Jan	.6	.4	.2	.1	.0
Feb	.2	.2	.1	.0	.0
Mar	.1	.1	.0	.0	.0
Apr	.0	.0	.0	.0	.0
May	.0	.0	.0	.0	.0
Jun	.0	.0	.0	.0	.0
Jul	.0	.0	.0	.0	.0
Aug	.0	.0	.0	.0	.0
Sep	.0	.0	.0	.0	.0
Oct	.0	.0	.0	.0	.0
Nov	.1	.1	.0	.0	.0
Dec	.2	.2	.0	.0	.0
Ann	1.2	1.0	.3	.1	.0

Snow Depth >= Thresholds

Month	1	3	5	10
Jan	.2	.1	.1	.1
Feb	.2	.1	.0	.0
Mar	@	.0	.0	.0
Apr	.0	.0	.0	.0
May	.0	.0	.0	.0
Jun	.0	.0	.0	.0
Jul	.0	.0	.0	.0
Aug	.0	.0	.0	.0
Sep	.0	.0	.0	.0
Oct	.0	.0	.0	.0
Nov	@	.0	.0	.0
Dec	.2	.0	.0	.0
Ann	.6	.2	.1	.1

+ 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/normals/usnormals.html

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: DEQUEEN, AR **COOP ID: 031948**

Climate Division: AR 7 **NWS Call Sign:** **Elevation: 420 Feet** **Lat: 34˚02N** **Lon: 94˚21W**

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	4/24	4/20	4/16	4/13	4/11	4/08	4/05	4/02	3/28
32	4/14	4/09	4/05	4/02	3/30	3/27	3/24	3/20	3/15
28	4/03	3/27	3/23	3/19	3/15	3/11	3/07	3/02	2/24
24	3/20	3/13	3/07	3/03	2/26	2/22	2/17	2/12	2/04
20	3/07	2/27	2/21	2/15	2/10	2/05	1/30	1/23	1/10
16	2/23	2/14	2/07	1/31	1/25	1/19	1/11	12/26	0/00

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	10/06	10/12	10/15	10/19	10/22	10/24	10/28	10/31	11/06
32	10/19	10/24	10/28	11/01	11/04	11/07	11/11	11/15	11/20
28	10/28	11/03	11/07	11/11	11/14	11/18	11/21	11/26	12/02
24	11/06	11/14	11/20	11/24	11/29	12/03	12/08	12/14	12/22
20	11/21	11/30	12/07	12/13	12/18	12/24	12/30	1/07	1/22
16	12/07	12/15	12/21	12/26	1/01	1/06	1/13	1/26	0/00

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	217	209	203	198	193	189	184	178	170
32	239	232	226	222	218	214	210	204	197
28	273	263	256	249	244	238	232	224	214
24	304	294	287	281	275	269	263	256	246
20	>365	348	328	318	310	302	294	285	273
16	>365	>365	>365	>365	344	330	320	310	298

***** 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/normals/usnormals.html

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: DEQUEEN, AR **COOP ID: 031948**

Climate Division: AR 7 **NWS Call Sign:** **Elevation: 420 Feet** **Lat: 34˚02N** **Lon: 94˚21W**

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	782	568	386	165	36	0	0	0	12	131	427	691	3198
60	630	437	247	72	8	0	0	0	2	57	294	540	2287
57	544	360	177	37	2	0	0	0	0	30	225	454	1829
55	486	312	138	21	1	0	0	0	0	18	184	398	1558
50	351	206	64	3	0	0	0	0	0	4	103	270	1001
32	51	16	0	0	0	0	0	0	0	0	2	24	93

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	291	372	640	850	1147	1340	1517	1505	1256	951	571	356	10796
55	14	24	65	181	435	650	804	792	566	257	63	17	3868
57	10	16	42	137	375	590	742	730	506	207	44	11	3410
60	2	9	19	83	287	500	649	637	417	140	23	4	2770
65	0	0	3	26	160	351	494	482	278	60	6	0	1860
70	0	0	0	4	69	206	339	333	161	18	0	0	1130

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	137	238	448	651	932	1124	1291	1275	1035	729	377	187	137	375	823	1474	2406	3530	4821	6096	7131	7860	8237	8424
45	71	145	306	503	777	974	1136	1120	885	574	248	99	71	216	522	1025	1802	2776	3912	5032	5917	6491	6739	6838
50	30	73	190	358	622	824	981	965	735	423	148	51	30	103	293	651	1273	2097	3078	4043	4778	5201	5349	5400
55	10	30	105	227	467	674	826	810	585	286	78	22	10	40	145	372	839	1513	2339	3149	3734	4020	4098	4120
60	0	9	46	125	315	524	671	655	437	164	35	6	0	9	55	180	495	1019	1690	2345	2782	2946	2981	2987
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	110	175	297	427	622	770	868	842	690	479	242	129	110	285	582	1009	1631	2401	3269	4111	4801	5280	5522	5651

(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.
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