

Climatography of the United States

No. 20

1971-2000

Station: CAMDEN 1, AR

COOP ID: 031152

Climate Division: AR 8

NWS Call Sign:

Elevation: 116 Feet

Lat: 33°35N

Lon: 92°49W

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	52.9	30.5	41.7	86	1935	17	47.4	1990	-4+	1930	18	32.1	1977	722	0	.0	.0	18.2	1.7	19.8	.0
Feb	59.0	34.1	46.6	89	1986	21	54.3	1976	-7	1951	2	34.7	1978	517	0	.0	.0	21.2	.9	13.3	.0
Mar	67.3	41.9	54.6	92	1945	26	59.9	1974	12+	1943	3	49.2	1996	330	8	.0	@	28.9	@	5.5	.0
Apr	75.4	49.4	62.4	94+	1941	13	69.1	1981	26	1987	1	58.1	1993	125	47	.0	.3	29.9	.0	.7	.0
May	81.8	58.8	70.3	98+	1934	31	74.6	1996	38	1954	4	64.6	1976	28	192	.0	3.0	31.0	.0	.0	.0
Jun	88.8	66.9	77.9	106	1954	29	81.9	1994	45	1966	1	73.7	1974	0	385	.1	15.3	30.0	.0	.0	.0
Jul	92.5	70.7	81.6	111+	1930	30	85.9	1998	53+	1945	11	78.3	1984	0	516	1.8	23.3	31.0	.0	.0	.0
Aug	92.3	69.0	80.7	115	1936	10	85.4	2000	49+	1986	29	75.7	1992	0	485	2.7	22.3	31.0	.0	.0	.0
Sep	85.7	61.9	73.8	108+	2000	1	78.8	1980	34	1967	29	67.1	1974	11	275	.6	10.1	30.0	.0	.0	.0
Oct	76.3	49.7	63.0	102	1953	1	67.5	1971	24	1952	29	56.0	1976	121	58	.0	.9	30.8	.0	.7	.0
Nov	64.7	40.2	52.5	87+	1934	1	57.5	1985	15	1976	29	45.3	1976	383	5	.0	.0	27.2	@	7.6	.0
Dec	55.7	33.4	44.6	83+	1933	6	54.5	1984	1+	1963	24	34.5	1983	635	2	.0	.0	21.9	.9	16.3	.0
Ann	74.4	50.5	62.5	115	Aug 1936	10	85.9	Jul 1998	-7	Feb 1951	2	32.1	Jan 1977	2872	1973	5.2	75.2	331.1	3.5	63.9	.0

+ 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: 1930-2001

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

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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: CAMDEN 1, AR

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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	4.55	4.60	4.00	1930	8	8.67	1974	.26	1986	10.4	6.8	3.3	1.5	.98	1.39	2.06	2.66	3.27	3.92	4.65	5.52	6.68	8.52	10.26
Feb	4.15	3.71	4.15	2001	16	9.52	1987	.33	1972	8.1	6.0	3.1	1.4	.85	1.23	1.84	2.39	2.95	3.55	4.23	5.05	6.12	7.84	9.48
Mar	5.12	4.54	5.00	1990	8	12.95	1990	1.75	1974	9.8	7.2	3.5	1.5	1.92	2.40	3.09	3.66	4.20	4.75	5.35	6.05	6.94	8.30	9.55
Apr	4.63	3.53	8.26	1997	5	17.29	1991	.49	1987	8.2	6.1	2.9	1.5	.79	1.20	1.87	2.51	3.16	3.86	4.67	5.65	6.95	9.06	11.07
May	4.71	4.09	6.33	1930	18	9.44	2000	.23	1998	9.6	7.1	3.6	1.4	1.15	1.59	2.28	2.89	3.49	4.13	4.85	5.70	6.82	8.59	10.25
Jun	4.74	4.20	5.21	1986	28	12.85	1989	1.15	1988	8.6	6.6	3.4	1.5	1.26	1.71	2.39	2.99	3.58	4.21	4.90	5.71	6.78	8.45	10.02
Jul	3.90	3.29	7.90	1971	24	13.47	1971	.21	1999	7.6	5.6	2.6	1.0	.42	.71	1.25	1.79	2.38	3.03	3.81	4.77	6.08	8.25	10.37
Aug	2.92	2.30	6.22	1975	19	9.54	1974	.00	2000	6.1	4.5	1.9	.9	.19	.48	.94	1.37	1.82	2.32	2.89	3.60	4.55	6.12	7.64
Sep	3.60	2.72	4.00	1937	26	14.38	1974	.89	1978	7.1	4.6	2.2	1.1	.66	.98	1.51	2.00	2.50	3.04	3.65	4.39	5.38	6.96	8.47
Oct	4.42	3.17	5.65	1984	7	17.98	1984	.11	1977	7.0	5.2	3.0	1.4	.50	.84	1.45	2.07	2.73	3.46	4.33	5.40	6.85	9.26	11.60
Nov	5.23	4.74	6.81	1987	10	16.34	1987	.07	1999	9.2	6.9	3.4	1.6	.78	1.22	1.98	2.70	3.45	4.28	5.22	6.39	7.94	10.48	12.92
Dec	5.08	5.41	4.51	1993	3	10.23	1982	.69	1981	9.0	6.8	3.3	1.7	1.48	1.97	2.69	3.32	3.93	4.57	5.28	6.11	7.18	8.86	10.43
Ann	53.05	49.71	8.26	Apr 1997	5	17.98	Oct 1984	.00	Aug 2000	100.7	73.4	36.2	16.5	36.82	39.93	43.93	46.98	49.69	52.32	55.05	58.06	61.73	67.05	71.67

+ 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: 1930-2001

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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	1.2	.0	#	0	11.0	2000	28	11.0	2000	11	2000	28	#+	2000	.4	.4	.1	.1	.1	.3	.2	@	@
Feb	.9	.0	#	0	5.0	1988	12	5.4	1988	5	1985	1	#+	1985	.5	.3	.1	@	.0	.3	.1	.0	.0
Mar	.1	.0	#	0	1.3	1975	14	1.3	1975	1	1975	14	#	1975	.1	@	.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	#	.0	0	0	#	1971	24	#	1971	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dec	.4	.0	#	0	7.9	1983	17	8.5	1983	#+	1996	18	#+	1996	.1	@	@	@	.0	.0	.0	.0	.0
Ann	2.6	.0	N/A	N/A	11.0	Jan 2000	28	11.0	Jan 2000	11	Jan 2000	28	#+	Jan 2000	1.1	.7	.2	.1	.1	.6	.3	@	@

+ 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	4/16	4/12	4/10	4/07	4/05	4/03	3/31	3/28	3/24
32	4/11	4/06	4/02	3/30	3/27	3/24	3/21	3/17	3/11
28	3/29	3/21	3/15	3/11	3/06	3/02	2/25	2/20	2/12
24	3/09	3/02	2/25	2/20	2/16	2/12	2/07	2/02	1/25
20	3/01	2/20	2/13	2/07	2/02	1/27	1/20	1/11	0/00
16	2/18	2/09	2/02	1/27	1/20	1/12	12/28	0/00	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	10/09	10/15	10/19	10/22	10/25	10/28	11/01	11/05	11/10
32	10/22	10/28	10/31	11/04	11/07	11/10	11/13	11/17	11/22
28	11/02	11/08	11/12	11/16	11/19	11/22	11/26	11/30	12/06
24	11/14	11/21	11/27	12/01	12/06	12/10	12/15	12/20	12/28
20	11/23	12/04	12/12	12/19	12/26	1/02	1/10	1/21	0/00
16	12/13	12/21	12/27	1/02	1/08	1/15	1/27	0/00	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	224	217	211	207	203	198	194	188	181
32	245	238	233	228	224	220	215	210	203
28	287	277	269	263	257	251	244	237	226
24	321	311	304	298	292	287	281	273	264
20	>365	>365	354	335	325	316	308	299	288
16	>365	>365	>365	>365	>365	359	338	325	311

* 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)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	722	517	330	125	28	0	0	0	11	121	383	635	2872
60	571	387	199	49	6	0	0	0	1	48	249	490	2000
57	485	312	137	22	2	0	0	0	0	23	182	407	1570
55	428	265	103	12	0	0	0	0	0	12	143	354	1317
50	296	168	42	1	0	0	0	0	0	2	71	240	820
32	30	8	0	0	0	0	0	0	0	0	0	22	60

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	331	415	700	913	1187	1375	1539	1508	1254	960	613	412	11207
55	15	28	90	235	474	685	826	795	564	259	66	31	4068
57	11	19	62	185	414	625	764	733	504	208	44	22	3591
60	4	10	31	121	325	535	671	640	415	140	21	13	2926
65	0	0	8	47	192	385	516	485	275	58	5	2	1973
70	0	0	0	12	93	240	361	334	157	16	0	0	1213

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	159	250	466	677	944	1140	1296	1265	1019	716	386	211	159	409	875	1552	2496	3636	4932	6197	7216	7932	8318	8529
45	84	155	332	529	789	990	1141	1110	869	564	260	121	84	239	571	1100	1889	2879	4020	5130	5999	6563	6823	6944
50	42	84	208	385	634	840	986	955	719	416	160	60	42	126	334	719	1353	2193	3179	4134	4853	5269	5429	5489
55	22	37	114	248	480	690	831	800	570	274	82	28	22	59	173	421	901	1591	2422	3222	3792	4066	4148	4176
60	2	11	52	137	331	540	676	645	423	159	37	7	2	13	65	202	533	1073	1749	2394	2817	2976	3013	3020
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	116	175	297	435	628	784	877	852	681	465	251	146	116	291	588	1023	1651	2435	3312	4164	4845	5310	5561	5707

(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