

Climatography of the United States

No. 20

1971-2000

Station: ARKANSAS POST, AR

COOP ID: 030240

Climate Division: AR 6

NWS Call Sign:

Elevation: 194 Feet

Lat: 34°02N

Lon: 91°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	50.1	32.4	41.3	83	1972	24	48.4	1990	-9	1966	30	30.7	1977	736	0	.0	.0	17.3	2.4	16.0	.0
Feb	56.8	36.8	46.8	82+	1980	28	54.6	1976	9	1988	12	34.9	1978	514	3	.0	.0	21.4	.7	9.5	.0
Mar	65.5	44.7	55.1	89	1967	11	60.5	1974	16	1965	21	49.6	1996	322	14	.0	.0	29.2	.1	2.9	.0
Apr	73.6	52.6	63.1	93+	1987	20	68.9	1981	29	1971	6	56.6	1983	123	65	.0	.2	29.9	.0	.2	.0
May	81.1	61.1	71.1	98	1977	30	75.6	1987	40	1967	3	65.6	1976	19	209	.0	2.7	31.0	.0	.0	.0
Jun	88.0	68.7	78.4	102	1977	6	82.0	1998	43	1966	1	74.2	1974	0	400	.3	14.3	30.0	.0	.0	.0
Jul	91.6	72.1	81.9	106+	1980	13	85.6	1980	50	1968	5	78.9	1989	0	522	1.4	23.3	31.0	.0	.0	.0
Aug	90.6	70.6	80.6	106	1964	4	84.5	2000	46	1968	28	76.5	1992	0	484	1.0	20.8	31.0	.0	.0	.0
Sep	84.8	64.4	74.6	103	1980	16	79.1	1998	32	1967	29	68.6	1974	7	296	.1	9.0	30.0	.0	.0	.0
Oct	75.3	53.4	64.4	95+	1963	11	70.5	1971	25	1965	25	58.4	1976	104	85	.0	.9	30.9	.0	.1	.0
Nov	62.1	43.8	53.0	86	1965	26	58.8	1999	11	1970	24	45.5	1976	370	8	.0	.0	26.7	.0	3.8	.0
Dec	52.8	35.7	44.3	82	1967	21	54.7	1984	-6	1963	24	33.6	1983	644	1	.0	.0	20.7	1.0	12.1	.0
Ann	72.7	53.0	62.9	106+	Jul 1980	13	85.6	Jul 1980	-9	Jan 1966	30	30.7	Jan 1977	2839	2087	2.8	71.2	329.1	4.2	44.6	.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/normals/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1963-2001

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

004-A

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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: ARKANSAS POST, AR

COOP ID: 030240

Climate Division: AR 6

NWS Call Sign:

Elevation: 194 Feet

Lat: 34°02N

Lon: 91°21W

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	4.73	4.23	4.30	1999	29	10.77	1999	.54	1986	9.3	7.2	3.4	1.6	1.15	1.60	2.29	2.90	3.51	4.16	4.87	5.73	6.85	8.62	10.29
Feb	4.46	4.14	4.10	1991	19	9.92	1990	.70	1972	8.1	6.0	3.0	1.5	1.32	1.75	2.38	2.93	3.47	4.02	4.63	5.35	6.29	7.74	9.10
Mar	5.68	5.32	4.00	1999	13	12.87	1973	2.39+	1978	9.5	7.4	3.8	1.9	2.15	2.68	3.44	4.07	4.67	5.28	5.94	6.71	7.69	9.19	10.56
Apr	4.83	4.22	4.33	1991	14	17.45	1991	.84	1987	7.8	5.9	3.1	1.7	1.06	1.50	2.21	2.85	3.49	4.18	4.95	5.87	7.08	9.02	10.85
May	5.00	5.23	4.22	1997	29	9.49	1978	.99	1988	9.2	6.9	3.7	1.8	1.47	1.94	2.66	3.27	3.88	4.50	5.20	6.01	7.06	8.72	10.25
Jun	3.83	3.40	5.25	1992	3	10.18	1989	.58	1988	7.4	5.2	2.7	1.1	.91	1.27	1.83	2.33	2.83	3.35	3.94	4.64	5.55	7.01	8.37
Jul	3.40	3.13	3.62	1989	1	11.51	1989	.04	1999	6.7	5.0	2.5	1.1	.42	.69	1.17	1.64	2.15	2.70	3.35	4.15	5.24	7.02	8.75
Aug	2.62	1.91	5.09	1966	3	10.10	1974	.00	2000	5.9	4.1	1.9	.7	.09	.29	.66	1.04	1.46	1.94	2.50	3.21	4.20	5.84	7.46
Sep	3.14	2.90	5.05	1980	28	9.83	1980	.74	1986	6.2	4.5	2.1	1.0	.99	1.29	1.73	2.11	2.47	2.85	3.27	3.75	4.38	5.36	6.26
Oct	3.81	3.13	6.74	1985	19	12.37	1984	.51	2000	5.9	4.4	2.3	1.2	.68	1.02	1.58	2.10	2.63	3.20	3.85	4.65	5.70	7.39	9.01
Nov	5.15	4.61	7.94	2001	29	11.38	1987	1.50	1995	8.1	6.2	3.4	1.7	1.54	2.03	2.76	3.39	4.01	4.65	5.35	6.18	7.25	8.92	10.48
Dec	5.17	4.81	4.60	2001	12	13.49	1982	.64	1980	9.0	6.6	3.0	1.8	1.28	1.77	2.52	3.19	3.85	4.55	5.33	6.25	7.46	9.37	11.17
Ann	51.82	50.68	7.94	Nov 2001	29	17.45	Apr 1991	.00	Aug 2000	93.1	69.4	34.9	17.1	37.51	40.30	43.87	46.56	48.95	51.26	53.64	56.27	59.45	64.05	68.02

+ 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: 1963-2001

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

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Station: ARKANSAS POST, AR

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Climate Division: AR 6

NWS Call Sign:

Elevation: 194 Feet

Lat: 34°02N

Lon: 91°21W

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	2.3	1.0	#	0	10.0	2000	27	10.1	1988	7	1988	7	2	1988	1.0	.8	.2	.1	.1	1.4	.5	.2	.0
Feb	1.0	.0	#	0	3.8	1988	11	5.3	1979	3+	1988	11	#+	1988	.6	.4	.1	.0	.0	.5	.1	.0	.0
Mar	.2	.0	#	0	2.0	1982	6	2.0	1982	#	1980	2	#	1980	.2	.1	.0	.0	.0	.0	.0	.0	.0
Apr	#	.0	0	0	#	1983	19	#+	1983	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	#	1980	27	#+	1980	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dec	.3	.0	#	0	5.8	1983	16	5.8	1983	5	1983	16	#+	1983	.1	.1	.1	.1	.0	@	.0	.0	.0
Ann	3.8	1.0	N/A	N/A	10.0	Jan 2000	27	10.1	Jan 1988	7	Jan 1988	7	2	Jan 1988	1.9	1.4	.4	.2	.1	1.9	.6	.2	.0

+ 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:

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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	4/14	4/09	4/05	4/02	3/30	3/27	3/24	3/20	3/14
32	4/04	3/28	3/23	3/19	3/14	3/10	3/06	3/01	2/21
28	3/22	3/14	3/09	3/04	2/28	2/23	2/19	2/13	2/06
24	3/08	2/28	2/22	2/18	2/13	2/08	2/03	1/28	1/20
20	2/28	2/19	2/13	2/07	2/02	1/27	1/20	1/10	0/00
16	2/11	2/03	1/28	1/22	1/16	1/08	0/00	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	10/18	10/23	10/26	10/29	11/01	11/04	11/06	11/10	11/14
32	10/26	11/02	11/07	11/11	11/14	11/18	11/22	11/27	12/04
28	11/04	11/11	11/16	11/21	11/25	11/29	12/03	12/08	12/15
24	11/09	11/21	11/30	12/07	12/14	12/21	12/29	1/06	1/18
20	12/01	12/10	12/17	12/22	12/28	1/03	1/10	1/21	0/00
16	12/20	12/28	1/03	1/08	1/14	1/22	0/00	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	236	229	224	219	215	211	207	202	194
32	277	266	258	251	244	238	231	223	212
28	300	290	282	275	269	263	257	249	238
24	348	327	316	307	299	292	284	274	262
20	>365	>365	>365	337	327	318	310	302	291
16	>365	>365	>365	>365	>365	>365	353	343	332

* 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	736	514	322	123	19	0	0	0	7	104	370	644	2839
60	589	385	199	53	4	0	0	0	1	42	240	500	2013
57	502	312	141	27	1	0	0	0	0	20	175	416	1594
55	446	267	108	16	0	0	0	0	0	11	139	363	1350
50	317	173	47	3	0	0	0	0	0	2	69	248	859
32	43	11	0	0	0	0	0	0	0	0	0	25	79

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	330	424	716	932	1213	1390	1545	1507	1279	1004	629	406	11375
55	20	36	111	258	500	700	832	794	589	302	77	31	4250
57	14	25	81	209	439	640	770	732	529	249	54	22	3764
60	9	14	46	145	349	550	677	639	439	177	28	13	3086
65	0	3	14	65	209	400	522	484	296	85	8	1	2087
70	0	0	2	20	101	253	367	331	171	30	0	0	1275

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	163	271	498	718	990	1171	1317	1274	1053	766	417	216	163	434	932	1650	2640	3811	5128	6402	7455	8221	8638	8854
45	91	168	359	568	835	1021	1162	1119	903	611	286	124	91	259	618	1186	2021	3042	4204	5323	6226	6837	7123	7247
50	45	94	234	420	680	871	1007	964	753	459	179	64	45	139	373	793	1473	2344	3351	4315	5068	5527	5706	5770
55	20	42	129	282	525	721	852	809	603	318	97	28	20	62	191	473	998	1719	2571	3380	3983	4301	4398	4426
60	0	10	61	167	372	571	697	654	456	194	43	4	0	10	71	238	610	1181	1878	2532	2988	3182	3225	3229
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	94	159	294	450	671	814	902	875	722	495	236	117	94	253	547	997	1668	2482	3384	4259	4981	5476	5712	5829

(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