

Climatography of the United States No. 20

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: ENTERPRISE 5 NNW, AL

1971-2000

COOP ID: 012675

Climate Division: AL 7

NWS Call Sign:

Elevation: 469 Feet

Lat: 31° 23N

Lon: 85° 54W

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	58.3	38.9	48.6	80	1974	29	63.1	1974	-1	1985	21	40.1	1977	523	0	.0	.0	24.7	.3	10.3	@
Feb	62.6	41.6	52.1	82+	1989	16	58.8	1990	10	1996	5	43.4	1978	366	4	.0	.0	24.4	.1	6.3	.0
Mar	69.7	47.9	58.8	88+	1974	11	65.6	1997	17	1980	3	52.7	1971	223	31	.0	.0	30.0	.0	1.7	.0
Apr	76.1	53.7	64.9	93	1987	23	70.1	1999	30+	1987	4	60.7	1983	79	75	.0	.2	29.9	.0	.1	.0
May	83.0	62.1	72.6	97	2000	28	77.2	2000	40	1971	4	68.7	1971	9	242	.0	3.5	31.0	.0	.0	.0
Jun	88.3	68.6	78.5	101+	1985	7	82.7	1998	49	1972	1	74.5	1997	0	403	.1	12.7	30.0	.0	.0	.0
Jul	90.1	71.2	80.7	104+	2000	21	84.1	2000	56	1967	15	77.3	1985	0	485	.5	18.2	31.0	.0	.0	.0
Aug	89.3	70.7	80.0	103	2000	19	83.6	1999	59+	1992	29	77.1	1992	0	465	.2	16.2	31.0	.0	.0	.0
Sep	85.9	66.8	76.4	100+	1980	16	82.3	1980	39	1967	29	73.4	1983	1	341	.1	8.2	30.0	.0	.0	.0
Oct	77.7	56.1	66.9	92+	1986	5	71.6	1984	32	1989	20	61.1	1976	63	121	.0	.6	31.0	.0	@	.0
Nov	68.9	48.0	58.5	87+	1971	3	64.3	1978	18+	1970	25	49.8	1976	231	34	.0	.0	29.4	.0	2.2	.0
Dec	60.6	41.3	51.0	82+	1978	9	59.8	1971	6	1983	25	43.3	1989	447	12	.0	.0	26.5	.2	7.0	.0
Ann	75.9	55.6	65.8	104+	Jul 2000	21	84.1	Jul 2000	-1	Jan 1985	21	40.1	Jan 1977	1942	2213	.9	59.6	348.9	.6	27.6	@

+ 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: 1966-2001

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

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Station: ENTERPRISE 5 NNW, AL

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Climate Division: AL 7

NWS Call Sign:

Elevation: 469 Feet Lat: 31°23N

Lon: 85°54W

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	6.09	5.18	6.24	1974	1	15.32	1991	1.77	1981	10.1	7.6	4.3	1.9	2.18	2.76	3.59	4.28	4.95	5.63	6.37	7.23	8.33	10.03	11.59
Feb	5.12	4.97	4.97	1985	6	9.33	1998	1.11	1980	8.0	6.2	2.9	1.7	1.49	1.97	2.70	3.34	3.96	4.60	5.31	6.15	7.23	8.93	10.51
Mar	6.35	5.79	8.55	1998	8	16.22	1973	2.09	1985	9.5	7.4	3.8	2.2	2.16	2.76	3.64	4.38	5.09	5.82	6.62	7.56	8.76	10.61	12.32
Apr	3.97	4.14	3.55	1974	4	9.09	1998	.38	1987	7.3	5.5	2.5	1.3	.67	1.01	1.59	2.13	2.69	3.30	4.00	4.84	5.97	7.80	9.55
May	4.67	4.03	6.78	1973	27	14.30	1973	.57	2000	8.0	6.0	2.6	1.2	.92	1.34	2.02	2.65	3.29	3.97	4.75	5.68	6.92	8.90	10.79
Jun	4.83	4.46	6.35	1970	4	10.17	1994	.93	1984	9.8	7.2	3.3	1.5	1.49	1.95	2.63	3.22	3.79	4.38	5.02	5.78	6.77	8.30	9.72
Jul	6.24	5.40	9.27	1994	4	28.01	1994	1.94	1990	12.1	9.0	4.0	1.3	1.53	2.11	3.02	3.83	4.63	5.48	6.43	7.56	9.03	11.36	13.56
Aug	3.82	3.62	3.48	2001	6	7.16	1992	1.28	1980	10.1	7.1	2.5	.9	1.46	1.82	2.33	2.75	3.15	3.55	4.00	4.51	5.16	6.16	7.07
Sep	3.88	3.50	6.55	1998	30	16.21	1998	.42	1972	8.1	5.6	2.4	1.1	.60	.93	1.49	2.03	2.58	3.19	3.89	4.74	5.88	7.74	9.52
Oct	2.82	2.51	8.34	1995	4	11.87	1995	.11	1991	5.1	3.6	1.6	.9	.17	.33	.67	1.05	1.49	2.00	2.62	3.41	4.52	6.41	8.30
Nov	4.40	3.86	3.36	1997	30	11.07	1992	1.38	1981	7.7	5.6	3.0	1.6	1.51	1.93	2.53	3.05	3.54	4.04	4.59	5.23	6.06	7.33	8.50
Dec	4.69	4.29	5.89	1973	26	13.76	1973	1.01	1980	8.3	5.8	3.0	1.5	1.51	1.96	2.61	3.17	3.71	4.27	4.88	5.60	6.52	7.95	9.27
Ann	56.88	55.97	9.27	Jul 1994	4	28.01	Jul 1994	.11	Oct 1991	104.1	76.6	35.9	17.1	37.80	41.39	46.05	49.63	52.82	55.93	59.17	62.76	67.14	73.55	79.13

+ 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: 1966-2001

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

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Climate Division: AL 7

NWS Call Sign:

Elevation: 469 Feet

Lat: 31°23N

Lon: 85°54W

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	.0	0	0	3.5	1977	31	4.8	1977	0	0	0	0	0	.1	.1	.1	.0	.0	.0	.0	.0	.0
Feb	.3	.0	0	0	7.0	1973	10	7.0	1973	0	0	0	0	0	.1	.1	.1	.1	.0	.0	.0	.0	.0
Mar	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.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	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dec	#	.0	0	0	#	1973	21	#	1973	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ann	.5	.0	N/A	N/A	7.0	Feb 1973	10	7.0	Feb 1973	0	0	0	0	0	.2	.2	.2	.1	.0	.0	.0	.0	.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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Climate Division: AL 7

NWS Call Sign:

Elevation: 469 Feet

Lat: 31°23N

Lon: 85°54W

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	4/09	4/04	3/30	3/26	3/22	3/17	3/12	3/05
32	3/25	3/18	3/13	3/09	3/05	3/01	2/25	2/20	2/13
28	3/14	3/06	3/01	2/24	2/19	2/15	2/10	2/04	1/27
24	3/05	2/25	2/18	2/13	2/08	2/02	1/27	1/20	1/05
20	2/27	2/17	2/10	2/03	1/27	1/20	1/11	12/26	0/00
16	1/27	1/18	1/11	1/01	0/00	0/00	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	10/28	11/01	11/05	11/07	11/10	11/13	11/16	11/19	11/24
32	11/03	11/09	11/14	11/18	11/22	11/25	11/29	12/04	12/11
28	11/15	11/24	12/01	12/07	12/13	12/18	12/24	12/31	1/10
24	12/01	12/12	12/20	12/26	1/02	1/08	1/16	1/25	2/12
20	12/16	12/28	1/05	1/13	1/20	1/29	2/08	2/26	0/00
16	12/27	1/04	1/12	1/22	0/00	0/00	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	254	245	239	233	228	223	218	212	203
32	289	279	273	267	261	256	250	243	233
28	326	314	306	300	294	288	282	275	266
24	>365	>365	352	333	323	314	306	297	285
20	>365	>365	>365	>365	>365	345	332	321	308
16	>365	>365	>365	>365	>365	>365	>365	>365	>365

* 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:
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COOP ID: 012675

Climate Division: AL 7 NWS Call Sign: Elevation: 469 Feet Lat: 31°23N Lon: 85°54W

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	523	366	223	79	9	0	0	0	1	63	231	447	1942
60	394	239	123	24	1	0	0	0	0	20	134	312	1247
57	323	174	78	9	0	0	0	0	0	8	90	242	924
55	281	137	53	5	0	0	0	0	0	4	65	202	747
50	193	66	17	0	0	0	0	0	0	0	24	119	419
32	19	0	0	0	0	0	0	0	0	0	0	4	23

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	534	562	831	987	1257	1393	1508	1488	1330	1081	793	591	12355
55	83	55	171	301	544	703	795	775	640	373	168	77	4685
57	63	35	133	246	482	643	733	713	580	314	132	55	4129
60	41	17	86	171	389	553	640	620	490	233	87	32	3359
65	0	4	31	75	242	403	485	465	341	121	34	12	2213
70	0	0	8	21	121	255	330	310	201	46	11	1	1304

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	300	372	591	745	1015	1158	1264	1247	1090	834	556	363	300	672	1263	2008	3023	4181	5445	6692	7782	8616	9172	9535
45	192	253	443	596	860	1008	1109	1092	940	679	411	240	192	445	888	1484	2344	3352	4461	5553	6493	7172	7583	7823
50	107	154	307	447	705	858	954	937	790	525	278	142	107	261	568	1015	1720	2578	3532	4469	5259	5784	6062	6204
55	56	78	184	308	550	708	799	782	640	373	172	77	56	134	318	626	1176	1884	2683	3465	4105	4478	4650	4727
60	22	32	91	183	396	558	644	627	491	234	87	33	22	54	145	328	724	1282	1926	2553	3044	3278	3365	3398
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	174	222	359	475	688	805	885	870	758	542	337	212	174	396	755	1230	1918	2723	3608	4478	5236	5778	6115	6327

(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/normal/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