

Climatography of the United States

No. 20

1971-2000

Station: BUNKIE, LA

COOP ID: 161287

Climate Division: LA 5

NWS Call Sign:

Elevation: 80 Feet

Lat: 30° 57N

Lon: 92° 10W

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	38.8	48.6	80+	1957	29	55.1	1974	10+	1962	12	39.8	1977	521	3	.0	.0	22.9	.4	9.8	.0
Feb	62.8	42.0	52.4	85	1986	27	58.5	1976	16+	1996	4	42.3	1978	361	9	.0	.0	23.6	.4	5.1	.0
Mar	70.4	49.3	59.9	88	1982	21	65.0	2000	23	1980	3	55.0	1996	194	33	.0	.0	29.8	.0	1.2	.0
Apr	77.0	55.6	66.3	93+	1987	22	72.1	1999	33	1989	10	61.2	1983	63	102	.0	.5	30.0	.0	.0	.0
May	84.3	64.2	74.3	99	1998	31	78.8	1998	43	1965	1	69.7	1976	5	291	.0	5.5	31.0	.0	.0	.0
Jun	90.0	70.4	80.2	101	1963	15	83.9	1998	50	1993	2	77.2	1983	0	456	.1	18.3	30.0	.0	.0	.0
Jul	92.4	72.7	82.6	103+	1980	3	85.9	1998	57	1967	15	79.1	1994	0	544	.8	24.1	31.0	.0	.0	.0
Aug	92.5	71.4	82.0	107	2000	31	86.0	1999	55	1967	13	77.1	1994	0	525	.9	23.6	31.0	.0	.0	.0
Sep	88.1	66.1	77.1	106+	2000	4	81.5	1980	38	1967	29	72.8	1994	1	365	.2	13.7	30.0	.0	.0	.0
Oct	80.0	54.9	67.5	96+	1959	5	72.3	1984	29	1989	20	60.4	1976	56	131	.0	2.2	31.0	.0	.1	.0
Nov	69.3	47.6	58.5	89	1965	2	65.1	1973	23+	1959	18	51.0	1976	232	35	.0	.0	28.8	.0	1.4	.0
Dec	61.1	40.8	51.0	82+	1978	8	60.1	1984	8	1989	23	41.7	1989	449	13	.0	.0	26.0	.3	6.9	.0
Ann	77.2	56.2	66.7	107	Aug 2000	31	86.0	Aug 1999	8	Dec 1989	23	39.8	Jan 1977	1882	2507	2.0	87.9	345.1	1.1	24.5	.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: 1956-2001

(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: BUNKIE, LA

COOP ID: 161287

Climate Division: LA 5

NWS Call Sign:

Elevation: 80 Feet

Lat: 30°57N

Lon: 92°10W

Precipitation (inches)

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	6.56	5.94	5.99	1999	30	14.49	1990	.73	2000	9.6	7.2	4.0	2.2	1.51	2.12	3.08	3.94	4.80	5.71	6.73	7.96	9.56	12.11	14.52
Feb	4.78	3.92	3.80+	1982	16	11.43	1997	.44	2000	7.6	6.0	3.2	1.6	1.12	1.56	2.26	2.89	3.51	4.17	4.91	5.79	6.95	8.78	10.51
Mar	5.75	4.89	6.51	1992	5	18.43	1980	1.70	1982	8.0	6.3	3.4	2.0	1.54	2.08	2.92	3.65	4.36	5.12	5.95	6.94	8.23	10.25	12.15
Apr	5.60	3.59	13.15	1995	11	17.74	1995	.48	1987	6.7	5.3	2.8	1.5	.69	1.13	1.92	2.70	3.53	4.45	5.52	6.84	8.63	11.57	14.42
May	6.15	5.94	4.97	1967	2	13.95	1994	.02	1998	7.6	6.1	3.6	2.4	.78	1.27	2.14	3.00	3.90	4.90	6.07	7.51	9.46	12.66	15.75
Jun	5.10	5.07	8.00	1984	8	16.27	1989	.97	1979	8.8	6.9	3.1	1.6	1.31	1.79	2.53	3.18	3.83	4.51	5.26	6.16	7.33	9.18	10.91
Jul	3.87	3.20	4.91	1969	23	8.92	1994	1.15	1993	8.4	6.7	2.8	.9	1.01	1.37	1.94	2.43	2.91	3.43	3.99	4.67	5.55	6.93	8.23
Aug	3.75	3.23	6.81	1966	4	8.49	1977	.05	1999	7.4	5.8	2.7	.9	.27	.50	.98	1.49	2.07	2.73	3.53	4.55	5.96	8.33	10.69
Sep	4.22	3.41	7.10	1985	3	12.82	1985	1.09	1991	7.2	5.7	2.3	1.2	1.12	1.52	2.13	2.66	3.19	3.75	4.36	5.09	6.05	7.55	8.95
Oct	4.21	2.91	7.67	1970	28	16.58	1985	.00	1978	5.5	4.3	2.5	1.5	.29	.72	1.39	2.01	2.66	3.37	4.19	5.19	6.55	8.77	10.91
Nov	5.68	4.83	6.50	1977	30	17.15	1977	1.06	1999	7.8	6.1	3.9	2.0	1.35	1.88	2.71	3.45	4.19	4.97	5.84	6.88	8.25	10.42	12.45
Dec	6.11	5.65	6.78	1971	6	15.79	1971	1.82	1984	9.0	7.1	4.1	2.0	2.13	2.71	3.54	4.25	4.93	5.62	6.38	7.26	8.39	10.14	11.75
Ann	61.78	62.05	13.15	Apr 1995	11	18.43	Mar 1980	.00	Oct 1978	93.6	73.5	38.4	19.8	44.67	48.00	52.25	55.48	58.33	61.09	63.94	67.07	70.88	76.38	81.13

+ 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: 1956-2001

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

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Station: BUNKIE, LA

COOP ID: 161287

Climate Division: LA 5

NWS Call Sign:

Elevation: 80 Feet

Lat: 30°57N

Lon: 92°10W

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	.0	#	0	.3	1971	9	.6	1971	2	1978	19	#+	1982	.2	.0	.0	.0	.0	.0	.0	.0	.0
Feb	#	.0	#	0	#	1989	7	#+	1989	1	1974	1	#+	1988	.0	.0	.0	.0	.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	.5	1975	27	.5	1975	0	0	0	0	0	.1	.0	.0	.0	.0	.0	.0	.0	.0
Dec	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ann	.1	.0	N/A	N/A	.5	Nov 1975	27	.6	Jan 1971	2	Jan 1978	19	#+	Feb 1988	.3	.0	.0	.0	.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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NWS Call Sign:

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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	4/06	3/29	3/24	3/20	3/16	3/11	3/07	3/02	2/22
32	3/20	3/13	3/07	3/02	2/25	2/21	2/16	2/10	2/02
28	3/08	2/26	2/18	2/12	2/06	1/31	1/25	1/17	1/04
24	2/12	2/03	1/26	1/19	1/12	1/03	0/00	0/00	0/00
20	1/28	1/17	1/05	0/00	0/00	0/00	0/00	0/00	0/00
16	1/09	0/00	0/00	0/00	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	10/27	11/02	11/07	11/10	11/14	11/17	11/21	11/26	12/02
32	11/02	11/10	11/15	11/20	11/24	11/29	12/04	12/09	12/17
28	11/21	12/01	12/08	12/14	12/20	12/26	1/01	1/09	1/21
24	12/09	12/17	12/24	12/30	1/05	1/13	0/00	0/00	0/00
20	12/27	1/08	1/22	0/00	0/00	0/00	0/00	0/00	0/00
16	1/15	0/00	0/00	0/00	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	272	262	255	249	243	237	231	223	213
32	306	294	285	278	272	265	258	249	237
28	>365	339	324	315	309	303	297	290	281
24	>365	>365	>365	>365	>365	352	335	322	307
20	>365	>365	>365	>365	>365	>365	>365	>365	>365
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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Climate Division: LA 5 NWS Call Sign: Elevation: 80 Feet Lat: 30°57N Lon: 92°10W

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	521	361	194	63	5	0	0	0	1	56	232	449	1882
60	383	240	100	18	0	0	0	0	0	17	136	315	1209
57	308	179	59	6	0	0	0	0	0	7	91	246	896
55	263	145	39	3	0	0	0	0	0	3	67	206	726
50	172	76	11	0	0	0	0	0	0	0	26	123	408
32	11	0	0	0	0	0	0	0	0	0	0	4	15

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	524	572	862	1029	1309	1446	1567	1548	1353	1098	793	591	12692
55	63	73	188	342	596	756	854	835	663	388	169	80	5007
57	46	51	146	285	534	696	792	773	603	330	134	58	4448
60	28	28	94	206	441	606	699	680	513	247	88	34	3664
65	3	9	33	102	291	456	544	525	365	131	35	13	2507
70	0	0	9	35	159	307	389	370	225	53	11	2	1560

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	305	384	624	802	1072	1217	1325	1304	1115	855	561	364	305	689	1313	2115	3187	4404	5729	7033	8148	9003	9564	9928
45	199	267	479	652	917	1067	1170	1149	965	700	419	241	199	466	945	1597	2514	3581	4751	5900	6865	7565	7984	8225
50	115	167	335	504	762	917	1015	994	815	546	289	147	115	282	617	1121	1883	2800	3815	4809	5624	6170	6459	6606
55	58	90	211	358	607	767	860	839	665	398	179	79	58	148	359	717	1324	2091	2951	3790	4455	4853	5032	5111
60	23	42	112	230	453	617	705	684	516	259	96	39	23	65	177	407	860	1477	2182	2866	3382	3641	3737	3776
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	179	230	381	520	742	848	917	894	762	563	345	216	179	409	790	1310	2052	2900	3817	4711	5473	6036	6381	6597

(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.

- 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/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