

Climatology of the United States

No. 20

1971-2000

Station: NEW IBERIA, LA

COOP ID: 166657

Climate Division: LA 8

NWS Call Sign:

Elevation: 25 Feet

Lat: 29° 59N

Lon: 91° 47W

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	61.2	41.4	51.3	82+	1952	1	60.1	1974	9	1962	11	42.6	1977	449	8	.0	.0	25.9	.0	6.2	.0
Feb	64.5	44.2	54.4	85	2001	28	60.7	2000	15	1951	2	44.4	1978	312	12	.0	.0	25.6	.1	3.3	.0
Mar	71.6	51.7	61.7	90	1955	16	66.8	1997	19	1980	3	56.8+	1983	150	46	.0	.0	30.6	.0	.7	.0
Apr	77.9	57.8	67.9	94+	1955	30	72.7	1981	33	1971	7	63.0	1993	40	125	.0	.3	30.0	.0	.0	.0
May	84.4	66.0	75.2	98	1951	31	78.0+	2000	42	1952	12	72.0	1976	1	317	.0	3.0	31.0	.0	.0	.0
Jun	89.2	71.5	80.4	100	1954	30	82.7	1998	53	1956	3	77.7	1976	0	460	.0	15.7	30.0	.0	.0	.0
Jul	91.1	73.4	82.3	101+	1948	31	84.5	1980	60	1967	15	80.5	1989	0	535	.2	23.4	31.0	.0	.0	.0
Aug	90.9	73.0	82.0	103	2000	31	84.7	1999	59+	1956	22	79.6	1992	0	527	@	22.3	31.0	.0	.0	.0
Sep	87.6	69.1	78.4	103	2000	4	82.3	1980	44	1967	29	75.2	1975	0	401	.3	12.4	30.0	.0	.0	.0
Oct	80.0	58.6	69.3	95	1998	2	74.4	1984	29	1952	30	61.7	1976	38	171	.0	.9	31.0	.0	.1	.0
Nov	71.2	49.9	60.6	88	1978	2	66.6	1978	23	1976	30	53.0	1976	191	57	.0	.0	29.4	.0	1.0	.0
Dec	64.2	43.8	54.0	87	1982	3	63.2	1984	9	1989	23	44.1	1989	363	21	.0	.0	27.9	.1	4.1	.0
Ann	77.8	58.4	68.1	103+	Sep 2000	4	84.7	Aug 1999	9+	Dec 1989	23	42.6	Jan 1977	1544	2680	.5	78.0	353.4	.2	15.4	.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: 1948-2001

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

038-A

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No. 20 1971-2000

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

Station: NEW IBERIA, LA

COOP ID: 166657

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NWS Call Sign:

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Lat: 29°59N

Lon: 91°47W

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	5.15	4.57	3.98	1993	20	12.60	1998	1.07	1971	9.6	6.9	3.4	1.8	1.10	1.58	2.33	3.02	3.70	4.44	5.27	6.26	7.56	9.65	11.63
Feb	4.03	3.62	4.42	1991	19	9.99	1991	.22	2000	8.2	5.8	2.8	1.3	.54	.86	1.44	2.00	2.59	3.24	3.99	4.92	6.17	8.22	10.20
Mar	4.29	4.12	5.08	1965	1	11.57	1973	.62	1996	7.9	5.7	2.6	1.5	.91	1.31	1.94	2.51	3.08	3.70	4.39	5.22	6.31	8.06	9.71
Apr	4.56	3.96	7.19	1966	21	13.42	1979	.44	1976	6.7	4.5	2.4	1.4	.40	.71	1.32	1.95	2.65	3.44	4.38	5.56	7.18	9.89	12.56
May	5.08	4.65	5.85	1961	25	14.06	1991	.25	2000	7.5	5.5	3.2	1.8	.77	1.20	1.94	2.64	3.37	4.17	5.09	6.21	7.71	10.16	12.51
Jun	6.02	5.70	11.26	1978	7	16.02	1978	1.11	1995	10.6	7.8	3.9	2.0	1.07	1.61	2.49	3.31	4.15	5.06	6.09	7.35	9.02	11.71	14.28
Jul	6.66	6.55	8.00	1954	29	11.67	1989	2.14	1998	13.0	9.4	4.9	2.2	2.77	3.38	4.23	4.93	5.59	6.26	6.98	7.80	8.85	10.45	11.90
Aug	6.05	5.33	6.40	1978	29	13.15	1989	.96	1990	11.9	8.9	3.7	1.7	1.66	2.24	3.11	3.87	4.62	5.40	6.26	7.28	8.61	10.70	12.65
Sep	5.67	5.06	6.03	1973	5	19.28	1973	1.83	1975	9.0	6.6	3.7	1.7	1.61	2.14	2.96	3.67	4.36	5.08	5.88	6.82	8.04	9.96	11.75
Oct	4.06	3.02	7.95	1984	23	21.35	1984	.43	1975	6.0	4.1	2.2	1.3	.43	.74	1.30	1.86	2.47	3.16	3.96	4.96	6.32	8.57	10.77
Nov	4.48	3.98	3.30+	1961	13	13.46	2000	1.00	1991	8.1	5.7	2.7	1.5	1.03	1.45	2.10	2.69	3.28	3.90	4.60	5.43	6.53	8.27	9.91
Dec	4.84	4.07	7.37	1971	6	14.06	1971	1.44	1975	8.2	5.8	2.8	1.5	1.38	1.84	2.53	3.13	3.72	4.34	5.02	5.82	6.85	8.48	10.00
Ann	60.89	61.13	11.26	Jun 1978	7	21.35	Oct 1984	.22	Feb 2000	106.7	76.7	38.3	19.7	41.76	45.41	50.12	53.71	56.91	60.02	63.23	66.80	71.15	77.47	82.96

+ 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

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Lat: 29° 59N

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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	.0	.0	#	0	1.0	1973	11	1.0	1973	1	1973	11	#+	1982	@	@	.0	.0	.0	@	.0	.0	.0
Feb	#	.0	#	0	#	1989	4	#+	1989	#	1988	7	#	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	#	1976	29	#	1976	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dec	.0	.0	#	0	.5	1989	22	.5	1989	#	1989	23	#	1989	@	.0	.0	.0	.0	.0	.0	.0	.0
Ann	#	.0	N/A	N/A	1.0	Jan 1973	11	1.0	Jan 1973	1	Jan 1973	11	#+	Dec 1989	@	@	.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

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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	3/29	3/21	3/16	3/11	3/07	3/02	2/26	2/20	2/13
32	3/21	3/10	3/02	2/24	2/17	2/11	2/05	1/28	1/17
28	3/04	2/22	2/14	2/07	2/01	1/25	1/17	1/06	0/00
24	2/10	1/28	1/18	1/07	12/23	0/00	0/00	0/00	0/00
20	1/27	1/05	0/00	0/00	0/00	0/00	0/00	0/00	0/00
16	0/00	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	10/31	11/06	11/10	11/13	11/17	11/20	11/23	11/28	12/03
32	11/09	11/18	11/24	11/29	12/04	12/09	12/14	12/20	12/28
28	11/22	12/03	12/12	12/20	12/27	1/04	1/12	1/24	0/00
24	12/13	12/23	1/01	1/10	1/22	0/00	0/00	0/00	0/00
20	1/08	2/01	0/00	0/00	0/00	0/00	0/00	0/00	0/00
16	0/00	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	281	272	265	259	254	249	243	237	227
32	326	311	302	294	287	280	273	264	252
28	>365	>365	>365	336	324	315	306	297	285
24	>365	>365	>365	>365	>365	>365	354	334	319
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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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	449	312	150	40	1	0	0	0	0	38	191	363	1544
60	321	197	67	9	0	0	0	0	0	10	107	241	952
57	257	144	35	3	0	0	0	0	0	4	68	182	693
55	220	113	21	1	0	0	0	0	0	2	48	149	554
50	139	53	4	0	0	0	0	0	0	0	17	77	290
32	9	0	0	0	0	0	0	0	0	0	0	0	9

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	606	625	919	1075	1339	1450	1558	1550	1391	1156	856	681	13206
55	104	94	227	386	626	760	845	837	701	445	214	117	5356
57	79	69	179	328	564	700	783	775	641	385	174	88	4765
60	51	38	118	244	471	610	690	682	551	298	123	54	3930
65	8	12	46	125	317	460	535	527	401	171	57	21	2680
70	7	1	12	47	173	310	380	372	254	76	20	8	1660

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	387	444	682	847	1099	1215	1318	1311	1158	917	630	454	387	831	1513	2360	3459	4674	5992	7303	8461	9378	10008	10462
45	262	318	530	697	944	1065	1163	1156	1008	762	482	320	262	580	1110	1807	2751	3816	4979	6135	7143	7905	8387	8707
50	158	203	383	547	789	915	1008	1001	858	607	346	203	158	361	744	1291	2080	2995	4003	5004	5862	6469	6815	7018
55	86	114	251	398	634	765	853	846	708	456	226	117	86	200	451	849	1483	2248	3101	3947	4655	5111	5337	5454
60	40	51	137	258	479	615	698	691	558	306	130	62	40	91	228	486	965	1580	2278	2969	3527	3833	3963	4025
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	225	264	422	557	777	861	928	922	815	612	391	274	225	489	911	1468	2245	3106	4034	4956	5771	6383	6774	7048

(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