CLIMATOGRAPHY OF THE UNITED STATES

NUMBER 20-1

CLIMATOLOGICAL SUMMARY FOR SAINT BERNARD, ALABAMA

[1907-56]

U. S. DEPARTMENT OF COMMERCE
U.S WEATHER BUREAU
WASHINGTON, D. C.
DECEMBER 1957

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Alabama.
St. Bernard
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SAINT BERNARD, ALABAMA

AVERAGES AND COMPARATIVE DATA
(1907-1956)

Latitude 34° 12' N., Longitude 86° 47' W. Elevation 802 Feet

MONTH	PRECIPITATION (Inches)											Snowfall (Inches)		
													Average No. Days With	
	Record Mean	Greatest 24-hr. Amounts	Year	Greatest 48-hr. Amounts	Year	Greatest 72-hr. Amounts	Year	Greatest Monthly	Year	Least Monthly	Year	Average	T. or More	0.1 or More
January	5.72	4.47	1919	5.52	1919	6.25	1919	12.31	1937	1.66	1928	1.1	1	1
February	5.46	4.05	1939	4.30	1946	5.09	1939	14.34	1939	2.11	1941	0.4	1	*
March	6.07	3.85	1950	7.09	1951	7.12	1951	12.91	1929	0.65	1918	0.1	1	*
April	4.99	5.30	1921	5.30	1921	6.55	1921	13.38	1920	0.50	1915	T	*	0
May	4.51	4.25	1915	5.83	1930	6.48	1930	10.59	1930	0.37	1941	0	0	0
June	4.16	4.49	1919	4.73	1919	4.84	1919	11.42	1919	0.58	1936	0	0	0
July	4.92	5.51	1916	8.29	1916	8.87	1916	13.97	1916	0.81	1954	0	0	0
August	4.27	4.42	1941	5.84	1941	6.60	1914	13.06	1914	0.64	1918	0	0	0
September	2.74	3.67	1946	3.76	1946	3.66	1913	8.14	1946	0.10	1955	0	0	0
October	3.32	6.15	1932	6.89	1934	7.32	1932	9.82	1925	0.00	1924	T	*	0
November	3.98	5.22	1929	7.97	1929	8.99	1929	15.66	1929	0.05	1924	0.2	*	*
December	5.62	5.02	1942	5.43	1942	6.22	1926	12.82	1932	1.28	1928	0.4	1	*
YEAR	55.76	6.15	Oct. 1932	8.29	July 1916	8.99	Nov. 1929	15.66	Nov. 1929	0.00	Oct. 1924	2.2	5	1

* Less than one

98413

SAINT BERNARD, ALABAMA

AVERAGES AND COMPARATIVE DATA
(1907-1956)

Latitude 34° 12' N., Longitude 86° 47' W. Elevation 802 Feet

MONTH	TEMPERATURE (°F.)									ø RELATIVE HUMIDITY (%)			
	Average Daily Maximum	Average Daily Minimum	Average Daily Range	Record Mean	Record Highest	Year	Record Lowest	Year	Heating Degree Days	12:30 a.m. CST	6:30 a.m. CST	12:30 p.m. CST	6:30 p.m. CST
January	54.2	32.3	21.9	43.3	79	1952	-17	1918	667	80	81	61	66
February	57.4	34.1	23.3	45.8	80	1930*	- 7	1936	537	78	79	58	62
March	64.9	39.4	25.5	52.2	89	1929	10	1943*	401	77	77	52	56
April	73.9	47.4	26.5	60.7	91	1925	22	1924	164	77	77	50	54
May	81.2	55.4	25.8	68.3	96	1941	30	1908	40	82	79	51	58
June	88.5	63.4	25.1	76.0	104	1914	41	1956*	1	84	80	53	62
July	90.3	66.6	23.7	78.5	110	1952	48	1918	#	86	84	56	68
August	89.9	65.5	24.4	77.7	105	1947*	48	1917	#	86	86	56	68
September	86.1	60.0	26.1	73.1	107	1925	34	1918	13	83	84	52	66
October	76.2	47.7	28.5	62.0	98	1911	19	1913	148	84	82	49	64
November	63.1	37.2	25.9	50.2	86	1950	2	1948	440	79	80	52	63
December	54.5	32.7	21.8	43.6	80	1933*	- 4	1929	652	82	82	61	69
YEAR	73.4	48.5	24.9	61.0	110	July 1952	-17	Jan. 1918	3063	82	81	54	63

*Earlier years also

ø Birmingham, Alabama data

Less than one

SAINT BERNARD, ALABAMA

FREQUENCY OF DAYS WITH:-
(1907-1956)

Latitude 34° 12' N., Longitude 86° 47' W. Elevation 802 Feet

MONTH	PRECIPITATION (Inches)							TEMPERATURE (°F.) Maximum				TEMPERATURE (°F.) Minimum								
	.01 or more	.05 or more	.10 or more	.25 or more	.50 or more	1.00 or more	2.00 or more	90° or more	95° or more	100° or more	105° or more	32° or below	30° or below	25° or below	20° or below	15° or below	10° or below	5° or below	0° or below	-5° or below
January	11	9	8	6	4	2	*	0	0	0	0	17	15	9	4	2	1	*	*	*
February	10	9	8	6	4	2	*	0	0	0	0	14	12	6	2	1	*	*	*	*
March	10	9	8	6	4	2	1	0	0	0	0	10	8	3	1	*	*	0	0	0
April	9	8	7	5	3	2	*	*	0	0	0	2	1	*	0	0	0	0	0	0
May	10	8	7	5	3	1	*	3	*	0	0	*	*	0	0	0	0	0	0	0
June	10	8	7	5	3	1	*	14	4	1	0	0	0	0	0	0	0	0	0	0
July	12	9	8	5	4	1	*	18	6	1	*	0	0	0	0	0	0	0	0	0
August	10	8	6	4	3	1	*	18	6	1	*	0	0	0	0	0	0	0	0	0
September	7	6	5	3	2	1	*	10	3	1	*	0	0	0	0	0	0	0	0	0
October	6	5	4	3	2	1	*	1	*	0	0	2	1	*	*	0	0	0	0	0
November	8	6	6	4	3	1	*	0	0	0	0	12	10	4	1	*	*	*	0	0
December	10	9	8	6	4	2	*	0	0	0	0	17	15	8	4	1	*	*	*	0
YEAR	113	94	82	58	39	17	3	64	19	4	*	74	62	30	12	4	2	1	*	*

* Less than one

SAINT BERNARD, ALABAMA

MONTHLY AND ANNUAL PRECIPITATION (inches)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1907	1.80*	6.50*	3.40*	5.00*	8.00*	2.90*	3.10*	2.20	6.48	1.77	4.01	3.73	48.89
1908	6.63	6.93	5.86	4.05	7.11	2.04	4.69	4.38	1.59	1.54	1.76	9.87	56.45
1909	4.74	8.90	10.23	8.01	4.11	9.50	2.07	1.23	3.54	2.23	1.31	4.93	60.80
1910	3.53	4.46	1.01	2.41	6.16	8.01	6.17	4.58	1.89	3.80	1.15	4.07	47.24
1911	5.33	4.87	2.26	9.12	2.80	4.17	5.29	5.44	3.09	3.82	3.51	9.94	59.64
1912	5.75	5.80	10.15	7.80	4.12	5.16	6.64	3.40	2.77	3.10	1.18	4.40	60.27
1913	7.62	5.40	3.87	1.44	6.79	4.44*	3.88	6.37	5.52	3.75	.98	3.83	53.89
1914	2.10	4.24	2.40	6.05	2.73	3.23	4.10	13.06	.75	1.25	2.00	6.01	47.92
1915	4.70	2.65	1.16	.50	6.93	4.30	6.36	7.24	5.37	4.42	5.80	6.30	55.73
1916	4.75	2.38	2.70	3.48	4.56	2.30	13.97	1.32	.86	1.67	3.36	4.98	46.33
1917	6.30	6.94	11.48	4.85	4.24	3.64	5.51	6.22	2.92	2.69	1.00	1.29	57.08
1918	9.04	3.29	.65	8.34	3.28	6.08	4.00	.64	2.92	9.57	4.74	3.77	56.32
1919	11.05	4.82	8.57	3.08	7.30	11.42	4.56	4.51	.24	7.17	4.17	4.59	71.48
1920	4.94	2.17	9.75	13.38	5.79	8.96	7.08	6.50	.77	.39	2.17	8.05	69.95
1921	4.80	7.48	4.76	8.79	3.99	1.85	3.81	4.42	6.30	3.79	4.38	2.99	57.36
1922	7.79	6.21	12.63	8.14	7.02	3.72	3.44	2.31	1.68	3.61	1.99	10.84	69.38
1923	4.24	5.66	6.65	7.85	9.10	1.58	4.96	7.75	1.71	1.76	6.62	7.49	65.37
1924	6.39	6.77	5.73	8.48	6.95	3.65	2.09	1.52	3.61	.00	.05	6.69	51.93
1925	7.74	2.66	3.61	1.84	2.85	1.51	4.24	1.45	3.88	9.82	4.09	4.78	48.47
1926	7.57	3.86	4.93	1.41	4.90	4.72	5.37	4.29	1.24	2.96	5.81	9.32	56.38
1927	2.64	4.13	6.44	2.93	3.64	3.33	3.45	2.03	1.40	3.18	7.54	12.04	52.75
1928	1.66	2.40	7.53	9.75	3.98	9.72	5.27	9.20	1.59	3.71	5.11	1.28	61.20
1929	8.39	4.70	12.91	6.55	7.87	1.70	3.15	.76	6.56	6.66	15.66	4.39	79.30
1930	3.11	2.16	5.24	1.37	10.59	3.44	6.18	3.59	3.70	.83	6.40	2.21	48.82
1931	2.89	4.69	3.95	2.19	3.96	3.46	4.57	5.45	0.90	5.38	4.21	10.21	51.86
1932	6.71	7.27	4.07	3.55	3.62	5.39	5.90	6.35	3.15	9.71	3.07	12.82	71.61
1933	2.60	6.07	4.67	4.69	3.19	1.09	5.85	2.76	1.95	2.07	2.70	5.08	42.72
1934	3.92	3.25	6.52	2.39	3.68	7.58	6.53	4.04	2.03	7.98	3.78	3.13	54.83
1935	3.17	4.07	8.60	4.66	3.68	3.61	3.31	2.91	.84	3.99	6.01	3.50	48.35
1936	10.68	4.76	4.62	6.65	1.25	0.58	8.61	3.90	2.43	2.93	1.68	6.25	54.34
1937	12.31	3.82	2.62	7.58	4.05	2.75	3.29	5.86	1.36	6.75	1.43	3.53	55.35
1938	3.27	1.05	9.18	6.00	3.41	4.12	6.47	5.49	.41	T	6.66	1.91	47.97
1939	6.14	14.34	4.82	4.57	2.88	7.50	2.52	7.62	4.14	.43	.99	3.80	59.75
1940	4.43	6.35	6.32	3.32	2.31	3.35	13.30	1.45	2.05	1.81	4.46	3.92	53.07
1941	4.03	2.11	4.05	2.40	.37	2.78	9.05	9.54	2.10	4.08	2.98	6.09	49.58
1942	3.57	4.63	5.62	0.86	2.14	1.34	1.89	8.72	2.62	1.95	3.10	9.40	45.84
1943	2.60	2.69	8.27	3.89	2.54	1.92	2.79	1.37	3.18	.76	1.88	3.13	35.02
1944	2.83	10.60	9.13	7.02	2.83	2.34	2.53	4.37	4.27	.23	2.91	5.32	54.38
1945	4.95	7.16	6.28	8.66	2.29	3.07	3.25	1.77	1.47	2.60	5.03	6.45	52.98

SAINT BERNARD, ALABAMA

MONTHLY AND ANNUAL PRECIPITATION (inches) - Continued

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1946	11.87	8.93	5.28	3.52	7.17	4.71	6.92	2.98	8.14	1.88	7.47	3.91	72.78
1947	9.21	2.60	5.88	5.78	3.88	3.45	2.09	1.96	0.94	5.54	5.49	2.88	49.70
1948	4.11	10.73	6.66	4.39	3.38	3.00	2.74	3.62	3.25	0.29	13.78	4.58	60.53
1949	11.53*	6.43	6.71	2.59	3.88	6.68	6.51	1.50	4.72	8.26	1.08	4.67	64.56
1950	8.88	6.08	9.01*	2.32	3.79	6.76	5.09	5.78	3.38	1.71	2.50	3.22	58.52
1951	5.69	6.02	10.46	4.81	1.01	5.86	6.67	1.91	3.48	3.60	6.06	10.24	65.81
1952	5.96	3.57	6.65	2.10	4.97	2.16	1.33	7.41	3.60	3.01	3.22	5.16	49.14
1953	7.15	7.94	4.16	5.55	5.53	2.20	4.67	1.65	4.34	0.46	1.41	9.09	54.15
1954	8.58	3.85	5.36	3.83	5.00	2.61	0.81	2.53	1.08	1.20	4.87	5.64	45.36
1955	4.29	7.41	5.81	5.30	6.23	2.66	6.39	3.22	0.10	2.88	4.56	1.99	50.84
1956	1.86	11.09	5.11	6.05	3.41	5.48	3.43	5.12	0.75	2.83	2.64	7.13	54.90
MEANS	5.72	5.46	6.07	4.99	4.51	4.16	4.92	4.27	2.74	3.32	3.98	5.62	55.76

* Interpolated

Extremes are underscored.

GREATEST PRECIPITATION IN 24-HOURS BY MONTHS AND YEARS

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1907	----	----	----	----	----	----	----	1.80	1.73	0.65	1.00	1.34	----
1908	1.25	1.45	2.04	1.08	2.75	0.68	1.28	1.28	1.03	0.70	0.71	4.58	4.58
1909	1.31	1.83	3.34	1.76	0.85	3.32	0.60	0.31	1.46	1.33	0.72	2.30	3.34
1910	1.54	1.61	0.58	1.90	1.95	1.60	1.12	1.94	1.23	1.40	0.52	2.15	2.15
1911	2.03	0.89	1.36	4.65	0.86	2.03	1.26	1.06	1.98	1.15	0.82	1.68	4.65
1912	2.00	2.00	2.30	2.00	1.45	1.66	3.06	1.14	0.75	1.20	0.76	1.50	3.06
1913	1.61	3.75	1.40	0.38	2.25	----	1.00	3.22	2.91	1.05	0.78	1.30	----
1914	1.20	1.82	1.65	1.47	1.00	1.90	1.30	2.75	0.65	1.00	1.75	2.10	2.75
1915	1.50	1.32	0.34	0.25	4.25	2.00	1.50	1.39	3.50	3.10	2.00	3.60	4.25
1916	3.00	1.10	2.30	1.20	1.92	1.33	5.51	0.49	0.38	0.50	1.29	2.95	5.51
1917	1.29	1.86	2.44	3.79	1.88	1.28	1.50	1.50	1.21	0.99	0.69	0.65	3.79
1918	2.38	1.52	0.49	4.58	2.40	1.75	1.69	0.34	0.80	2.47	1.92	1.24	4.58
1919	4.47	1.12	2.22	1.61	1.26	4.49	1.52	1.12	0.16	4.16	1.47	1.70	4.49
1920	1.42	0.69	2.74	3.11	2.55	2.11	1.53	1.47	0.21	0.21	0.78	2.86	3.11
1921	1.28	2.43	1.44	5.30	3.39	0.66	2.50	1.32	2.06	1.56	0.92	1.03	5.30
1922	2.74	1.69	3.69	3.00	1.44	0.85	1.90	1.27	0.56	1.93	1.23	3.39	3.69
1923	1.33	1.36	1.95	1.89	1.49	0.58	1.23	1.74	0.76	1.15	1.57	1.67	1.95
1924	1.61	2.36	3.80	4.51	4.09	0.96	0.67	0.91	1.58	0.00	0.05	1.90	4.51
1925	1.65	0.82	1.39	0.77	1.03	0.72	1.19	0.68	1.72	2.40	1.48	2.38	2.40

SAINT BERNARD, ALABAMA

GREATEST PRECIPITATION IN 24-HOURS BY MONTHS AND YEARS - Continued

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1926	3.45	0.78	1.66	0.38	1.08	1.94	0.99	1.53	0.39	1.20	1.30	4.20	4.20
1927	0.83	1.07	1.22	1.21	1.13	0.73	0.74	0.71	0.90	1.12	5.20	2.98	5.20
1928	0.53	0.74	2.18	2.50	1.45	2.20	1.80	1.80	1.44	1.89	2.75	0.84	2.75
1929	1.84	1.48	2.75	1.65	1.83	0.50	0.67	0.64	2.02	3.18	5.22	1.67	5.22
1930	0.88	1.36	3.00	0.90	3.80	2.52	3.05	1.20	1.13	0.58	2.94	1.10	3.80
1931	0.83	1.76	1.46	0.60	1.28	1.25	1.67	2.02	0.60	3.18	2.43	1.77	3.18
1932	1.40	1.37	2.27	1.98	0.85	2.55	1.75	3.96	1.66	6.15	1.16	1.91	6.15
1933	0.94	1.94	1.60	1.36	1.15	0.36	1.42	0.97	0.57	1.29	1.44	1.86	1.94
1934	1.33	0.98	1.89	0.54	1.58	1.31	1.82	1.85	0.44	3.02	1.70	0.71	3.02
1935	0.97	1.14	3.08	0.96	1.46	0.72	1.96	0.96	0.69	1.74	2.95	1.17	3.08
1936	2.98	1.31	1.98	1.99	0.72	0.40	3.21	1.26	0.98	2.02	0.68	1.83	3.21
1937	2.74	1.35	0.80	2.81	0.98	1.22	0.99	1.69	0.79	2.61	0.44	1.47	2.81
1938	0.84	0.68	2.44	2.90	0.54	1.38	1.25	3.22	0.33	T	2.98	1.19	3.22
1939	1.71	4.05	1.53	1.69	0.85	2.20	1.04	2.51	1.57	0.27	0.29	1.25	4.05
1940	1.19	2.03	1.88	1.48	1.29	1.13	2.51	0.69	1.30	1.06	1.39	1.40	2.51
1941	1.27	1.05	2.50	1.20	0.12	0.70	2.60	4.42	1.46	2.08	1.71	1.53	4.42
1942	1.15	1.73	1.60	0.46	1.27	0.55	0.74	3.97	0.70	0.56	1.13	5.02	5.02
1943	1.14	1.01	1.45	2.10	1.39	1.27	1.38	0.77	1.63	0.67	1.58	0.85	2.10
1944	1.58	2.29	3.35	3.16	1.55	1.09	0.79	1.32	1.85	0.11	1.65	1.27	3.35
1945	1.52	2.76	2.45	2.58	0.58	1.19	1.15	0.99	0.73	1.09	1.55	1.26	2.76
1946	3.52	4.00	1.23	1.68	1.57	2.61	2.60	1.24	3.67	1.30	3.48	1.70	4.00
1947	1.97	2.20	1.83	1.63	1.30	1.87	1.26	0.55	0.62	3.45	1.37	1.52	3.45
1948	0.95	2.01	1.43	1.15	1.00	1.25	0.75	2.60	1.30	0.14	2.38	0.82	2.60
1949	3.12	1.67	1.60	0.71	1.35	2.11	2.20	0.26	2.60	4.38	0.42	0.90	4.38
1950	3.35	0.97	3.85	0.38	1.40	2.20	1.45	2.63	1.07	0.65	0.90	1.90	3.85
1951	1.21	1.88	3.82	1.34	0.72	1.60	1.49	0.67	1.11	1.94	3.21	2.70	3.82
1952	2.17	0.63	3.02	0.97	1.88	0.86	0.67	2.01	2.00	2.81	1.09	1.63	3.02
1953	1.81	1.70	0.97	2.57	2.51	1.69	1.35	1.12	1.90	0.46	0.63	1.98	2.57
1954	2.75	1.15	1.79	0.89	2.01	1.09	0.47	0.74	0.55	0.40	1.96	2.16	2.75
1955	0.88	3.30	1.76	1.03	2.08	0.92	1.11	2.25	0.08	1.05	1.18	0.85	3.30
1956	0.61	2.20	1.28	2.10	0.81	1.45	0.68	1.44	0.35	1.42	0.87	2.21	2.21
Greatest	4.47	4.05	3.85	5.30	4.25	4.49	5.51	4.42	3.67	6.15	5.22	5.02	6.15
YEAR	1919	1939	1950	1921	1915	1919	1916	1941	1946	1932	1929	1942	Oct. 1932

Extremes are underscored.

SAINT BERNARD, ALABAMA

MONTHLY AND ANNUAL MEAN TEMPERATURE (°F.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1907	----	----	----	----	----	----	----	----	74.6	61.4	49.2	43.6	----
1908	41.1	43.0	59.1	64.1	69.0	75.0	78.2	77.6	71.8	58.6	54.1	46.3	61.5
1909	46.0	48.3	52.3	60.8	65.8	75.7	77.9	79.0	72.0	60.2	58.0	37.1	61.1
1910	42.4	41.4	58.6	59.0	64.7	72.0	76.2	77.2	75.8	64.2	48.0	38.6	59.9
1911	46.6	49.9	54.2	60.0	69.6	77.8	75.5	76.2	78.2	66.0	47.4	47.1	62.4
1912	37.6	39.4	49.2	61.7	69.0	71.6	78.4	77.7	74.1	64.0	46.3	45.5	59.6
1913	48.0	43.8	51.8	63.6	72.8	----	80.4	----	70.5	57.3	52.6	44.6	----
1914	45.7	43.2	47.2	59.5	66.4	80.8	79.4	73.0	70.4	62.5	48.8	40.0	59.8
1915	39.0	49.1	43.1	64.4	71.9	77.0	78.8	73.0	73.8	----	55.5	46.4	----
1916	48.4	46.8	52.0	61.8	70.3	73.9	77.1	77.8	71.0	60.6	51.0	43.4	61.2
1917	46.3	45.2	51.8	60.2	62.2	74.1	76.8	75.2	70.4	55.0	47.6	36.2	58.4
1918	33.2	49.2	58.6	58.4	69.8	76.4	75.0	79.3	67.0	----	48.4	47.6	----
1919	40.2	44.5	52.6	59.0	66.1	74.4	77.6	77.0	72.8	72.3	54.0	43.9	61.2
1920	43.2	43.4	50.5	59.0	67.9	73.8	77.6	75.8	74.9	61.2	46.8	42.4	59.7
1921	45.7	47.6	61.7	59.8	67.4	78.2	82.0	78.4	78.9	58.6	54.8	47.2	63.4
1922	43.4	50.1	53.4	63.6	69.4	75.5	77.9	76.5	74.2	61.1	52.2	49.6	62.3
1923	48.1	42.4	51.2	58.8	66.0	75.0	77.0	76.7	71.5	59.8	48.4	51.0	60.6
1924	37.8	42.6	47.0	59.6	64.0	77.0	76.8	79.5	69.4	60.8	50.8	43.6	59.1
1925	43.5	49.7	54.1	64.4	65.5	79.0	79.7	77.9	83.0	60.6	49.1	41.0	62.1
1926	41.3	47.8	46.0	57.8	66.8	75.1	77.2	78.4	77.1	62.8	45.8	46.4	60.3
1927	44.0	53.2	53.5	64.4	69.5	74.4	77.6	74.9	74.6	62.8	55.7	43.0	62.3
1928	41.2	44.0	52.2	56.0	66.2	73.3	78.6	78.6	69.4	63.0	49.5	42.2	59.6
1929	45.0	41.8	54.9	63.1	67.4	74.5	77.6	77.6	71.0	58.2	50.0	41.4	60.3
1930	41.6	49.8	49.2	60.5	68.2	73.5	81.3	76.9	74.8	58.9	50.6	40.0	60.5
1931	40.8	46.2	46.2	58.4	65.2	77.2	79.4	75.3	77.8	66.3	57.6	50.8	61.8
1932	49.3	53.0	48.2	60.5	66.4	76.8	79.6	79.0	71.3	59.4	46.5	45.2	61.5
1933	48.9	44.5	52.0	59.0	72.2	76.0	77.3	76.8	76.6	62.0	51.2	52.6	62.5
1934	46.0	40.6	49.8	61.0	69.0	76.7	79.5	79.2	72.1	62.0	52.6	41.2	60.8
1935	42.8	44.8	58.0	61.2	69.7	73.8	79.7	79.6	72.9	63.2	52.3	36.2	61.2
1936	38.7	40.4	55.8	57.6	70.7	79.1	79.8	78.8	76.0	62.8	48.4	45.4	61.2
1937	53.5	44.3	48.8	60.0	69.3	78.3	77.7	79.3	70.4	59.0	47.8	41.8	60.9
1938	43.6	50.6	59.6	60.9	69.8	74.4	78.3	79.3	72.0	63.2	51.6	42.0	62.1
1939	----	46.9	52.2	58.6	68.1	77.1	79.3	77.0	74.7	63.6	47.3	43.9	----
1940	26.8	41.0	51.0	59.0	64.8	74.6	76.0	79.1	70.9	62.5	50.6	48.2	58.7
1941	43.9	39.7	46.2	63.1	71.3	76.8	79.2	78.3	75.4	69.2	49.8	46.2	61.6
1942	39.4	40.2	52.2	61.4	68.7	77.4	79.6	75.9	69.8	62.4	53.1	43.4	60.4
1943	44.3	47.0	49.2	60.2	71.2	80.8	81.2	81.0	69.8	59.4	47.6	41.8	61.1
1944	42.2	50.0	53.8	60.0	70.8	78.8	78.0	77.6	73.4	60.7	50.7	41.4	61.5
1945	42.2	47.4	62.2	63.8	66.8	76.2	78.8	78.4	75.8	61.2	54.2	37.0	62.0

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MONTHLY AND ANNUAL MEAN TEMPERATURE (°F.) - Continued

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1946	44.2	47.0	59.0	64.0	67.6	74.4	78.2	75.2	71.0	61.6	57.1	47.2	62.2
1947	46.8	37.8	45.2	64.0	66.8	75.3	75.4	80.8	75.8	67.8	50.1	45.0	60.9
1948	35.2	47.0	56.0	65.3	68.6	----	79.8	77.2	71.1	----	51.8	----	----
1949	----	47.8	49.8	58.1	69.9	75.9	79.3	77.1	70.5	66.2	48.0	43.9	----
1950	54.0	48.5	48.4	56.2	71.7	75.1	76.3	74.9	70.0	64.3	44.0	37.1	60.0
1951	42.1	44.5	51.5	57.5	67.0	76.5	78.4	78.7	72.1	61.8	44.5	44.6	59.9
1952	47.7	47.5	49.4	58.8	69.2	80.6	81.8	78.7	70.0	54.5	48.6	41.5	60.7
1953	45.7	45.0	54.2	57.4	71.3	79.8	78.6	78.5	71.9	63.6	49.4	40.0	61.3
1954	42.5	48.1	50.1	64.9	63.0	76.5	82.6	82.0	76.4	62.9	47.7	40.4	61.4
1955	39.8	43.5	53.3	63.2	70.8	70.8	78.8	79.7	75.8	59.7	47.2	42.0	60.4
1956	38.1	48.5	50.0	58.0	70.8	74.4	78.3	78.0	69.4	62.8	46.1	49.5	60.3
MEANS	43.3	45.8	52.2	60.7	68.3	76.0	78.5	77.7	73.1	62.0	50.2	43.6	61.0

MONTHLY AND ANNUAL MEAN MAXIMUM TEMPERATURE (°F.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1907	----	----	----	----	----	----	----	----	84.2	75.3	60.2	53.7	----
1908	51.5	53.6	70.7	76.3	80.8	87.0	90.0	89.3	84.6	73.7	67.3	56.5	73.4
1909	56.1	60.7	63.5	73.1	78.0	86.1	89.4	91.0	83.5	76.0	73.2	47.9	73.2
1910	54.9	52.9	74.5	72.9	76.2	82.9	86.0	88.8	88.9	77.2	61.5	49.6	72.2
1911	57.0	60.2	67.5	71.4	84.1	91.1	86.8	86.4	90.8	77.9	59.5	57.5	74.2
1912	48.6	52.0	60.5	74.8	81.5	83.5	88.2	88.8	87.0	75.8	60.7	57.2	71.6
1913	61.2	56.5	66.3	78.3	84.3	----	92.1	----	83.3	73.3	68.4	55.0	----
1914	58.0	55.9	60.5	73.9	79.0	94.7	90.8	84.1	84.0	76.5	61.3	49.5	72.4
1915	50.0	60.0	55.6	77.7	87.1	90.6	91.5	86.3	86.2	75.2	69.2	56.5	73.8
1916	57.7	58.0	65.8	75.9	83.8	87.0	86.2	89.5	85.9	76.5	66.2	54.5	73.9
1917	56.8	57.5	64.2	75.7	76.8	88.0	88.7	86.8	82.2	71.6	61.6	46.6	71.4
1918	43.9	62.4	73.4	70.4	84.5	89.9	88.7	94.8	82.0	----	60.8	58.2	----
1919	53.9	56.4	66.6	74.9	78.2	84.6	89.2	88.6	88.8	83.4	66.1	55.6	73.9
1920	53.0	54.1	62.8	71.9	79.5	86.5	87.9	86.0	87.3	78.2	60.0	51.9	71.6
1921	56.8	59.4	74.8	73.5	80.6	92.1	96.3	91.9	92.0	73.8	66.7	58.4	76.4
1922	51.4	59.6	65.7	75.8	80.2	87.6	89.6	90.0	89.0	75.2	65.1	59.5	74.1
1923	59.5	52.8	64.8	71.2	76.1	87.0	88.7	86.9	83.0	73.6	61.0	60.1	72.1
1924	50.7	54.3	58.4	72.9	77.6	89.1	90.4	93.5	81.3	78.5	66.6	55.4	72.4
1925	53.4	62.8	69.1	78.6	80.3	93.7	93.5	93.5	96.0	71.8	60.3	52.0	75.4

Extremes are underscored

SAINT BERNARD, ALABAMA

MONTHLY AND ANNUAL MEAN MAXIMUM TEMPERATURE (°F.) - Continued

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1926	51.6	60.6	58.2	72.8	82.0	87.5	90.2	89.1	88.8	75.2	57.3	57.4	72.6
1927	54.6	63.8	65.1	77.5	82.4	84.5	90.7	88.3	90.1	78.8	67.3	54.5	74.8
1928	54.1	56.1	65.5	69.0	79.5	83.9	90.1	90.3	82.9	77.1	61.6	55.7	72.2
1929	56.9	53.4	67.5	74.8	79.1	87.2	90.0	92.6	82.8	70.8	58.2	54.0	72.3
1930	52.7	63.6	62.3	76.4	81.9	89.0	96.1	90.6	86.1	71.8	60.3	49.3	73.3
1931	52.7	58.6	57.5	72.0	78.8	92.9	90.5	87.0	92.0	81.2	71.3	59.7	74.5
1932	59.9	65.1	60.4	74.1	78.7	88.6	90.0	90.3	81.5	72.2	57.9	53.8	72.7
1933	59.2	55.0	64.6	71.7	84.8	90.2	87.8	88.4	90.2	75.8	64.9	64.5	74.8
1934	56.5	53.2	63.9	74.6	82.4	89.0	89.5	89.3	84.9	75.1	65.4	51.2	72.9
1935	52.4	55.5	70.2	72.8	82.2	85.6	91.5	91.5	87.0	78.2	62.4	45.5	72.9
1936	50.2	51.7	69.7	70.1	85.4	94.4	90.9	90.5	87.9	75.3	60.6	55.2	73.5
1937	61.5	55.1	61.9	74.8	81.6	90.4	90.3	90.9	82.4	70.1	59.1	51.9	72.5
1938	54.0	62.5	71.9	73.6	82.0	86.0	88.6	91.1	85.4	80.1	66.2	54.0	74.6
1939	57.7	60.4	67.7	70.9	80.1	87.5	91.0	87.4	87.1	78.4	60.4	55.6	73.7
1940	37.3	50.3	63.4	71.0	79.3	86.9	85.5	90.4	85.1	78.4	62.9	58.0	70.7
1941	55.1	50.2	58.6	76.7	86.5	89.1	88.6	88.1	88.6	81.6	63.3	57.0	73.6
1942	52.6	49.7	64.3	76.8	82.2	90.1	91.8	86.5	81.4	75.8	66.1	53.3	72.6
1943	55.9	60.1	60.6	73.3	83.8	93.6	93.2	94.7	81.9	74.2	63.3	52.7	73.9
1944	52.6	59.7	66.2	71.5	83.7	91.9	91.4	87.5	83.7	75.5	61.9	51.6	73.1
1945	52.1	58.2	74.4	76.7	79.1	88.3	91.4	91.0	88.7	75.3	66.6	45.9	74.0
1946	53.8	60.4	71.5	77.6	79.1	86.1	87.9	87.3	82.4	76.1	67.4	59.5	74.1
1947	55.6	51.2	57.5	76.0	80.2	87.4	88.7	93.6	88.8	79.7	59.6	57.9	73.0
1948	45.9	56.6	67.4	78.2	82.3	----	----	----	----	----	----	----	----
1949	58.3	58.8	61.3	69.7	83.6	86.0	90.0	89.1	82.0	76.6	62.7	55.8	72.8
1950	62.8	61.6	59.9	68.9	82.4	86.3	87.1	86.7	80.5	77.9	58.2	47.7	71.7
1951	55.0	56.3	62.6	70.5	81.5	88.9	90.3	92.9	86.3	77.1	57.8	56.7	73.0
1952	57.5	58.9	62.6	72.2	82.2	93.6	97.4	90.9	83.3	70.3	62.9	53.0	73.7
1953	57.1	57.3	66.6	71.4	82.7	93.8	90.2	93.7	87.9	80.9	65.8	52.4	75.0
1954	54.5	63.5	62.8	78.3	74.8	90.5	97.2	97.1	93.4	79.4	61.1	53.0	75.5
1955	51.2	55.1	66.8	76.7	84.0	83.5	90.0	91.6	90.8	76.3	61.6	53.6	73.4
1956	49.4	59.8	64.8	70.8	83.3	87.2	90.7	91.5	85.3	76.9	61.6	62.4	73.6
MEANS	54.2	57.4	64.9	73.9	81.2	88.5	90.3	89.9	86.1	76.2	63.1	54.5	73.4

Extremes are underscored

SAINT BERNARD, ALABAMA

MONTHLY AND ANNUAL MEAN MINIMUM TEMPERATURE (°F.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1907	----	----	----	----	----	----	----	----	64.9	47.5	38.1	33.5	----
1908	30.7	32.3	47.5	51.9	57.1	63.1	66.3	65.9	59.1	43.5	40.9	36.1	49.5
1909	36.0	35.9	41.1	48.4	53.7	65.3	66.4	66.9	60.5	44.3	42.7	26.3	49.0
1910	29.9	29.9	42.8	45.0	53.2	61.1	66.5	65.6	62.7	51.3	34.5	27.5	47.5
1911	36.3	39.6	40.9	48.7	55.1	64.5	64.2	66.0	65.5	54.0	35.3	36.7	50.6
1912	26.5	26.9	38.0	48.6	56.6	59.8	68.6	66.6	61.2	52.2	31.9	33.8	47.6
1913	34.8	31.2	37.3	48.8	61.2	----	68.7	----	57.7	41.2	36.7	34.1	----
1914	33.4	30.5	33.9	45.1	53.8	67.0	68.1	61.9	56.9	48.5	36.3	30.5	47.2
1915	28.0	38.2	30.6	51.0	56.7	63.3	66.2	59.8	61.5	----	41.8	36.2	----
1916	39.2	35.6	38.2	47.8	56.8	60.8	68.0	66.2	56.1	44.7	35.9	32.4	48.5
1917	35.8	33.0	39.4	44.8	47.5	60.2	64.8	63.5	58.7	38.3	33.5	25.7	45.4
1918	22.4	36.1	43.8	46.5	55.2	63.0	61.3	63.8	52.0	----	36.0	37.1	----
1919	26.5	32.6	38.5	43.0	54.0	64.3	66.0	65.4	56.9	61.2	41.8	32.2	48.5
1920	33.3	32.6	38.2	46.2	56.3	61.2	67.2	65.7	62.5	44.1	33.6	33.0	47.8
1921	34.6	35.8	48.6	46.0	54.1	64.4	67.8	64.8	65.8	43.5	42.8	36.0	50.4
1922	35.3	40.6	41.1	51.3	58.5	63.4	66.2	63.0	59.4	47.0	39.3	39.8	50.4
1923	36.7	32.0	37.6	46.5	56.0	63.1	65.4	66.5	60.0	45.9	35.7	42.0	49.0
1924	25.0	31.0	35.5	46.3	50.3	65.0	63.3	65.5	57.6	43.1	35.1	31.9	45.8
1925	33.6	36.6	39.1	50.1	50.7	64.2	65.9	62.3	65.9	49.5	37.9	29.9	48.8
1926	31.0	35.1	33.8	42.7	51.7	62.7	64.3	67.7	65.4	50.5	34.2	35.5	47.9
1927	33.4	42.6	41.9	51.4	56.6	64.3	64.6	61.5	59.1	46.9	44.1	31.6	49.8
1928	28.3	31.8	38.9	43.1	52.9	62.7	67.0	66.8	55.8	49.0	37.4	28.8	46.9
1929	33.1	30.3	42.3	51.4	55.8	61.8	65.2	62.6	59.3	45.5	41.9	28.7	48.2
1930	30.6	36.0	36.0	44.6	54.6	58.0	66.5	63.2	63.5	46.0	41.0	30.7	47.6
1931	28.8	33.9	35.0	44.8	51.7	61.6	68.2	63.6	63.5	51.4	44.0	41.8	49.0
1932	38.7	46.0	36.0	46.9	54.0	65.0	69.3	67.6	61.1	46.5	35.1	36.7	50.2
1933	38.6	34.0	39.3	46.4	59.5	61.9	66.8	65.3	62.9	48.3	37.5	40.7	50.1
1934	35.5	28.1	35.7	47.5	55.5	64.4	69.5	69.2	59.3	49.0	39.7	31.2	48.7
1935	33.3	34.0	45.8	49.7	57.2	61.9	67.9	67.8	58.8	48.1	42.2	26.8	49.5
1936	27.2	29.0	42.0	45.1	56.0	63.8	68.6	67.1	64.2	50.2	36.1	35.7	48.8
1937	45.5	33.5	35.8	45.3	57.0	66.2	65.1	67.7	58.5	47.9	36.5	31.7	49.2
1938	33.3	38.7	47.4	48.2	57.7	62.7	68.0	67.5	58.6	46.2	36.9	30.1	49.6
1939	----	33.4	36.8	46.4	56.1	66.7	67.6	66.5	62.3	48.9	34.2	32.2	----
1940	16.4	31.7	38.7	47.1	50.3	62.3	66.6	67.8	56.7	46.6	38.3	38.3	46.7
1941	32.7	29.2	33.9	49.5	56.1	64.4	69.9	68.5	62.3	56.9	36.4	35.3	49.6
1942	26.3	30.7	40.1	46.0	55.2	64.8	67.4	65.3	58.1	49.1	40.1	33.5	48.1
1943	32.7	33.9	37.8	47.2	58.5	68.0	69.3	67.4	57.7	44.7	32.0	30.9	48.3
1944	31.7	40.4	41.5	48.4	58.0	65.7	64.7	67.7	63.0	45.9	39.5	31.1	49.8
1945	32.3	36.5	49.9	50.8	54.4	64.1	66.2	65.8	62.9	47.2	41.9	28.0	50.0

Extremes are underscored

SAINT BERNARD, ALABAMA

MONTHLY AND ANNUAL MEAN MINIMUM TEMPERATURE (°F.) - Continued

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1946	34.5	33.5	46.5	50.3	56.2	62.7	68.4	63.2	59.7	47.2	46.8	34.9	50.3
1947	38.1	24.3	32.9	51.9	53.5	63.2	62.2	68.1	62.7	55.8	40.6	32.2	48.8
1948	24.4	37.3	44.7	52.4	54.9	----	----	----	----	----	----	----	----
1949	----	36.7	38.2	46.5	56.1	65.8	68.5	65.0	58.9	55.8	33.3	31.9	----
1950	45.1	35.3	36.8	43.5	60.9	63.8	65.4	63.0	59.4	50.6	29.7	26.5	48.3
1951	29.2	32.6	40.3	44.4	52.5	64.1	66.5	64.5	57.9	46.5	31.1	32.4	46.8
1952	37.8	36.1	36.2	45.4	56.2	67.5	66.1	66.4	56.6	38.6	34.2	30.0	47.6
1953	34.3	32.7	41.7	43.4	59.8	65.8	66.9	63.3	55.8	46.3	32.9	27.6	47.5
1954	30.4	32.6	37.3	51.5	51.1	62.5	67.9	66.8	59.4	46.3	34.2	27.7	47.3
1955	28.4	31.8	39.7	49.6	57.6	58.0	67.6	67.8	60.7	43.0	32.7	30.3	47.3
1956	26.7	37.1	35.2	45.1	58.2	61.5	65.8	64.5	53.4	48.7	30.5	36.6	46.9
MEANS	32.3	34.1	39.4	47.4	55.4	63.4	66.6	65.5	60.0	47.7	37.2	32.7	48.5

ABSOLUTE HIGHEST TEMPERATURE BY MONTHS AND YEARS (°F.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1907	--	--	--	--	--	--	97	94	97	89	75	67	--
1908	67	72	86	86	92	96	97	99	94	88	80	74	99
1909	77	77	75	85	87	93	95	97	93	90	84	75	97
1910	70	66	88	85	88	91	92	93	95	91	76	66	95
1911	76	79	86	87	95	99	97	95	96	98	84	71	99
1912	74	64	83	82	94	91	95	95	95	91	76	80	95
1913	75	73	80	89	93	98	101	--	98	86	78	67	101
1914	75	72	78	90	90	104	99	90	89	86	82	73	104
1915	62	70	70	90	91	96	99	98	93	86	80	64	99
1916	70	76	82	86	94	95	96	95	95	89	80	70	96
1917	75	78	81	87	89	98	95	93	92	85	76	70	98
1918	68	80	84	86	95	101	97	101	93	89	73	75	101
1919	69	68	77	85	87	95	94	97	96	93	81	68	97
1920	73	69	80	89	89	95	92	91	93	89	78	62	95
1921	67	74	84	84	93	97	100	102	97	82	79	71	102
1922	66	76	76	85	89	97	96	99	97	89	81	75	99
1923	71	77	82	84	85	95	96	93	90	89	72	74	96
1924	64	73	77	87	89	94	98	98	97	86	81	76	98
1925	64	74	82	91	94	100	102	102	107	91	76	68	107
1926	66	76	76	83	93	95	99	95	95	91	71	72	99

Extremes are underscored

ABSOLUTE HIGHEST TEMPERATURE BY MONTHS AND YEARS (°F.)- Continued

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1927	74	78	83	87	89	93	96	95	100	93	81	71	100
1928	76	69	86	78	87	91	95	95	92	89	76	70	95
1929	76	72	89	86	92	95	96	97	93	80	79	72	97
1930	72	80	74	85	90	102	106	103	95	82	79	63	106
1931	67	68	70	85	92	103	96	95	100	91	78	76	103
1932	75	77	82	85	85	96	97	102	91	80	71	69	102
1933	69	73	81	81	93	101	98	94	95	88	78	80	101
1934	71	68	82	86	89	98	99	95	92	85	77	66	99
1935	67	67	82	86	88	95	96	102	95	87	82	63	102
1936	75	79	83	86	92	101	102	99	95	84	82	69	102
1937	78	79	76	87	95	98	98	98	90	88	77	70	98
1938	73	79	82	84	92	93	94	100	94	92	83	69	100
1939	72	75	83	84	88	93	98	94	96	89	75	74	98
1940	59	67	79	85	90	95	96	96	96	88	78	69	96
1941	72	61	67	86	96	95	96	95	95	92	75	72	96
1942	70	65	78	90	90	98	99	95	91	89	79	71	99
1943	77	72	80	89	91	99	100	105	95	85	80	74	105
1944	73	76	82	83	93	98	99	96	93	87	78	70	99
1945	64	79	85	87	93	98	100	99	97	87	80	65	100
1946	72	70	81	86	86	92	92	95	89	85	81	72	95
1947	77	70	84	86	90	95	96	105	98	86	71	72	105
1948	66	76	84	86	90	100	101	98	93	83	79	70	101
1949	—	75	80	83	90	93	95	95	91	86	77	68	95
1950	76	74	80	85	91	95	93	92	91	86	86	73	95
1951	70	78	80	86	91	95	96	100	102	93	76	79	102
1952	79	74	81	85	91	103	110	100	93	88	80	73	110
1953	72	69	81	84	93	102	96	100	103	90	81	73	103
1954	68	78	82	88	89	100	103	105	105	96	79	70	105
1955	71	74	83	90	91	92	96	96	99	92	82	73	99
1956	70	74	83	85	91	95	96	101	96	89	81	76	101
HIGHEST	79	80	89	91	96	104	110	105	107	98	86	80	110
YEAR	1952	1930*	1929	1925	1941	1914	1952	1947*	1925	1911	1950	1933*	July 1952

Extremes are underscored

*Also on earlier dates

SAINT BERNARD, ALABAMA

ABSOLUTE LOWEST TEMPERATURE BY MONTHS AND YEARS (°F.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1907	--	--	--	--	--	--	--	--	46	32	21	19	--
1908	12	20	29	28	30	54	61	58	36	29	18	22	12
1909	9	13	26	30	32	58	52	57	39	27	23	8	8
1910	12	12	22	30	36	46	57	61	47	24	25	16	12
1911	6	18	22	36	42	54	54	61	57	32	19	18	6
1912	6	6	22	34	42	54	62	57	50	32	19	21	6
1913	22	18	22	34	46	--	61	--	36	19	19	20	18
1914	19	17	16	30	43	60	62	53	51	26	11	6	6
1915	19	24	25	33	42	54	61	52	46	--	24	21	19
1916	6	15	20	38	43	51	63	53	40	27	12	15	6
1917	16	4	17	30	33	45	55	48	46	22	20	5	4
1918	-17	17	26	30	34	50	48	50	34	41	26	16	-17
1919	-11	20	24	24	41	56	57	56	46	52	25	15	-11
1920	12	12	10	25	45	55	60	54	39	24	20	16	10
1921	25	23	28	29	41	56	62	57	61	30	27	21	21
1922	16	16	23	33	46	52	55	53	48	32	21	23	16
1923	23	11	16	25	33	50	50	53	50	30	23	23	11
1924	0	15	22	22	36	54	55	55	42	26	13	11	0
1925	19	19	15	31	33	56	55	52	60	26	18	4	4
1926	13	22	14	24	40	49	50	61	56	32	22	15	13
1927	4	22	22	29	38	58	56	50	36	35	24	12	4
1928	1	11	24	30	42	55	60	62	36	32	18	15	1
1929	13	12	25	38	38	49	59	51	45	30	13	- 4	- 4
1930	5	20	20	29	42	41	55	55	46	26	17	20	5
1931	14	18	23	31	38	44	62	52	42	32	25	30	14
1932	22	25	12	30	40	55	55	60	46	31	21	14	12
1933	21	3	24	31	46	48	52	58	45	32	19	18	3
1934	7	11	19	30	46	52	60	60	50	31	23	11	7
1935	9	10	21	31	40	48	63	51	44	30	20	10	9
1936	- 9	- 7	28	28	47	45	63	54	52	30	17	21	- 9
1937	23	17	21	29	40	60	50	63	41	23	16	4	4
1938	13	19	23	28	46	50	61	59	39	26	13	18	13
1939	--	10	16	28	38	58	61	58	54	30	22	18	--
1940	-16	14	24	23	37	53	56	61	39	36	13	20	-16
1941	20	20	19	40	40	51	66	60	47	38	24	23	19
1942	3	15	25	27	41	55	59	54	37	26	24	19	3
1943	12	11	10	26	41	63	65	55	41	28	21	11	10
1944	11	14	23	27	34	50	54	61	53	33	28	17	11
1945	18	15	29	35	40	49	59	53	49	34	19	8	8

Extremes are underscored

SAINT BERNARD, ALABAMA

ABSOLUTE LOWEST TEMPERATURE BY MONTHS AND YEARS (°F.) - Continued

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1946	15	21	27	35	45	46	63	50	49	33	32	25	15
1947	19	10	17	35	38	53	50	64	37	42	25	22	10
1948	8	19	25	36	42	53	60	58	48	41	2	14	2
1949	--	19	22	30	48	58	65	58	41	41	24	20	--
1950	27	24	26	26	52	52	54	49	45	41	2	14	2
1951	16	3	24	28	40	57	59	58	39	33	17	11	3
1952	16	24	26	28	40	56	54	54	48	24	21	17	16
1953	22	20	29	28	47	53	58	56	45	30	23	11	11
1954	18	22	23	32	38	48	63	60	47	25	16	18	16
1955	13	13	17	33	44	50	59	64	55	25	15	14	13
1956	18	24	22	32	40	41	58	52	42	37	15	16	15
LOWEST	-17	- 7	10	22	30	41	48	48	34	19	2	- 4	-17
YEAR	1918	1936	1943*	1924	1908	1956*	1918	1917	1918	1913	1948	1929	JAN. 1918

*Also in earlier years
Extremes are underscored

MONTHLY AND ANNUAL HEATING DEGREE DAYS
(Based on outdoor daily mean temperature of 65°)

Season	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1907-08	6	162	471	661	723	500	202	93	58	0	2876
1908-09	24	201	324	569	579	471	389	172	69	0	2798
1909-10	36	174	212	851	695	642	218	207	64	3	3102
1910-11	0	150	510	808	559	416	340	175	44	0	3002
1911-12	0	90	514	540	844	737	486	126	39	0	3376
1912-13	10	116	567	599	517	578	409	108	2	0	2906
1913-14	29	259	366	618	591	593	552	184	55	0	3247
1914-15	0	137	459	748	794	484	667	87	6	0	3382
1915-16	3	154	285	574	508	519	406	127	29	0	2610
1916-17	25	191	418	653	552	554	415	176	132	6	3122
1917-18	8	318	519	870	982	436	213	214	42	0	3602
1918-19	51	40	492	522	761	566	379	202	54	0	3077
1919-20	0	0	336	644	673	616	422	204	29	0	2924
1920-21	10	156	528	690	583	480	142	192	74	0	2855
1921-22	0	212	313	533	660	419	359	116	7	0	2619

August 1915 had 5 Degree Days (included in season total)

SAINT BERNARD, ALABAMA

MONTHLY AND ANNUAL HEATING DEGREE DAYS - Continued
(Based on outdoor daily mean temperature of 65°)

Season	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1922-23	0	164	378	469	509	624	433	185	35	1	2798
1923-24	0	188	516	423	826	636	538	187	103	0	3417
1924-25	24	151	412	662	634	422	336	105	76	0	2822
1925-26	0	222	474	747	724	473	583	231	32	1	3487
1926-27	0	151	570	558	644	323	365	100	43	0	2754
1927-28	36	117	272	613	729	595	405	266	32	0	3065
1928-29	32	134	455	676	615	647	326	100	58	1	3044
1929-30	7	192	461	725	714	422	480	146	15	6	3168
1930-31	4	214	429	768	737	521	586	204	63	2	3528
1931-32	13	90	221	440	486	350	520	147	35	0	2302
1932-33	10	177	547	619	492	567	409	185	9	4	3019
1933-34	0	124	437	382	594	680	469	152	6	0	2844
1934-35	0	116	363	730	689	561	235	148	17	0	2859
1935-36	4	106	387	888	809	710	282	241	4	0	3431
1936-37	0	123	486	572	364	571	493	186	44	0	2839
1937-38	21	229	508	710	655	396	189	149	14	0	2871
1938-39	18	113	411	712	619	488	387	213	37	0	2998
1939-40	0	127	524	646	1178	688	423	193	80	0	3859
1940-41	46	93	427	502	644	698	574	78	25	0	3088
1941-42	0	40	447	567	788	686	398	146	32	0	3104
1942-43	58	101	351	663	639	485	493	172	4	0	2966
1943-44	22	181	514	711	693	434	345	176	50	0	3126
1944-45	1	178	419	726	691	488	150	103	73	1	2830
1945-46	4	140	326	861	639	497	188	85	19	5	2764
1946-47	6	115	244	544	568	751	618	79	55	0	2981
1947-48	13	31	439	608	909	519	307	76	16	0	2918
1948-49	10	171	392	---	---	453	471	214	8	0	----
1949-50	36	58	492	654	340	458	522	271	2	0	2833
1950-51	6	66	630	857	654	566	420	262	66	0	3527
1951-52	15	146	589	632	533	496	483	197	36	0	3127
1952-53	5	330	479	717	591	555	330	243	16	0	3266
1953-54	11	105	462	767	681	469	467	94	138	7	3201
1954-55	6	194	511	755	774	590	377	106	4	8	3325
1955-56	0	235	547	708	830	472	466	235	10	15	3518
MEAN	13	148	440	652	667	537	401	164	40	1	3063

July had 1 Degree Day in 1940, making mean of less than one

August had 1 Degree Day in 1946 plus 5 Degree Days in 1915, making mean of less than one.

SAINT BERNARD, ALABAMA

FREEZE DATES AND LENGTH OF GROWING SEASON

YEAR	Last Spring Minimum of 32° F. or Below	Last Spring Minimum of 28° F. or Below	First Fall Minimum of 32° F. or Below	First Fall Minimum of 28° F. or Below	Number of Days Between Dates 32° F. or Below	Number of Days Between Dates 28° F. or Below
1907	---------	---------	32°-10-15	26°-11-13	---	---
1908	28°-4-4	28°-4-4	29°-10-25	18°-11-15	204	225
1909	30°-4-10	28°-3-26	30°-10-13	27°-11-25	186	244
1910	30°-4-26	22°-3-16	26°-10-29	26°-10-29	186	227
1911	29°-3-31	26°-3-17	32°-10-23	20°-11-13	206	241
1912	29°-3-26	22°-3-10	32°-10-25	26°-11-3	213	238
1913	31°-3-29	26°-3-28	19°-10-21	19°-10-21	206	207
1914	30°-4-9	28°-3-24	26°-10-28	26°-10-28	202	218
1915	32°-3-30	28°-3-24	24°-11-16	24°-11-16	231	237
1916	24°-3-17	24°-3-17	27°-10-21	27°-10-21	218	218
1917	30°-4-10	28°-3-28	30°-10-10	27°-10-13	183	199
1918	32°-4-13	27°-3-18	31°-11-1	28°-11-13	202	240
1919	31°-4-27	24°-4-2	29°-11-13	25°-11-14	200	226
1920	27°-4-14	27°-4-14	31°-10-2	24°-10-30	171	199
1921	32°-4-19	28°-3-1	32°-10-13	27°-11-11	177	255
1922	31°-3-23	26°-3-22	32°-10-25	28°-11-22	216	245
1923	25°-4-1	25°-4-1	30°-10-25	28°-11-1	207	214
1924	27°-4-3	27°-4-3	32°-10-1 5	27°-10-23	181	203
1925	31°-4-2	28°-3-16	30°-10-11	26°-10-29	192	227
1926	27°-4-20	27°-4-20	32°-10-25	27°-11-3	188	197
1927	29°-4-23	27°-3-23	32°-11-7	27°-11-19	198	241
1928	30°-4-29	27°-3-31	32°-10-25	28°-11-13	179	227
1929	28°-3-18	28°-3-18	31°-10-24	28°-11-6	220	233
1930	29°-4-9	26°-3-31	31°-10-19	26°-10-31	193	214
1931	31°-4-2	27°-3-18	32°-10-19	25°-11-7	200	234
1932	32°-4-13	28°-3-23	31°-10-7	27°-11-12	177	234
1933	31°-4-4	28°-3-22	32°-10-9	28°-11-8	188	231
1934	31°-4-21	20°-3-20	31°-10-29	26°-11-12	191	237
1935	31°-4-14	27°-3-13	30°-10-8	27°-11-21	177	253
1936	29°-4-19	28°-4-3	30°-10-31	26°-11-16	195	227
1937	29°-4-12	28°-3-29	23°-10-24	23°-10-24	195	209
1938	32°-4-11	28°-4-10	31°-10-22	26°-10-25	194	198
1939	32°-4-20	28°-4-8	30°-10-29	23°-11-1	192	207
1940	30°-4-21	23°-4-13	32°-11-8	23°-11-14	201	215
1941	27°-3-30	27°-3-30	28°-11-8	28°-11-8	223	223
1942	32°-4-12	28°-4-2	26°-10-27	26°-10-27	198	208
1943	26°-4-15	26°-4-15	29°-10-17	28°-10-18	185	186
1944	27°-4-6	27°-4-6	31°-11-7	28°-11-30	215	238
1945	30°-3-10	23°-2-9	30°-11-5	26°-11-16	240	280

FREEZE DATES AND LENGTH OF GROWING SEASON - Continued

YEAR	Last Spring Minimum of 32° F. or Below	Last Spring Minimum of 28° F. or Below	First Fall Minimum of 32° F. or Below	First Fall Minimum of 28° F. or Below	Number of Days Between Dates 32° F. or Below	Number of Days Between Dates 28° F. or Below
1946	29°-3-11	27°-3-1	27°-3-2	27°-12-2	266	276
1947	32°-3-31	28°-3-29	31°-11-8	28°-11-26	222	242
1948	26°-3-29	26°-3-29	28°-11-11	28°-11-11	227	227
1949	30°-4-17	28°-3-19	32°-11-2	28°-11-4	199	230
1950	30°-4-21	28°-4-14	32°-11-5	27°-11-11	198	211
1951	28°-4-4	28°-4-4	18°-11-3	18°-11-3	213	213
1952	28°-4-7	28°-4-7	30°-10-22	28°-10-28	198	205
1953	28°-4-21	28°-4-21	30°-10-31	28°-11-9	193	202
1954	32°-4-2	27°-3-16	30°-10-17	28°-10-30	198	228
1955	31°-3-31	27°-3-30	30°-10-25	28°-10-26	208	210
1956	32°-4-21	26°-3-25	28°-11-9	28°-11-9	202	229
AVERAGE	April 8	March 27	October 26	November 7	201	225
Latest in Spring	April 29 1928	April 21, 1953	---------	---------	---	---
Earliest in Fall	---------	---------	October 1, 1924	October 13, 1917	---	---

YEAR	Last Spring Minimum of 24° F. or Below	Last Spring Minimum of 20° F. or Below	First Fall Minimum of 24° F. or Below	First Fall Minimum of 20° F. or Below	Number of Days Between Dates 24° F. or Below	Number of Days Between Dates 20° F. or Below
1907	---------	---------	21°-11-14	19°-12-5	---	---
1908	21°-2-28	20°-2-21	18°-11-15	18°-11-15	261	268
1909	23°-2-17	20°-2-3	23°-11-19	18°-11-10	275	280
1910	22°-3-16	18°-2-19	24°-10-30	20°-12-2	228	286
1911	22°-3-16	18°-2-22	20°-11-13	20°-11-13	242	264
1912	22°-3-10	20°-2-23	21°-11-25	19°-11-29	260	280
1913	24°-3-17	20°-2-14	19°-10-21	19°-10-21	218	249
1914	21°-3-23	16°-3-2	23°-11-17	19°-11-19	239	262
1915	20°-1-29	20°-1-29	24°-11-16	NONE	291	---
1916	24°-3-17	20°-3-16	18°-11-15	18°-11-15	243	244
1917	18°-3-6	18°-3-6	22°-10-31	20°-11-25	239	264
1918	23°-2-23	17°-2-5	24°-12-1	16°-12-27	281	325
1919	24°-4-2	20°-2-10	21°-12-10	18°-12-14	252	307
1920	17°-3-9	17°-3-9	24°-10-30	20°-11-18	235	254
1921	23°-2-24	NONE	21°-12-18	NONE	297	---

SAINT BERNARD, ALABAMA

FREEZE DATES AND LENGTH OF GROWING SEASON - Continued

YEAR	Last Spring Minimum of 24° F. or Below	Last Spring Minimum of 20° F. or Below	First Fall Minimum of 24° F. or Below	First Fall Minimum of 20° F. or Below	Number of Days Between Dates 24° F. or Below	Number of Days Between Dates 20° F. or Below
1922	23°-3-5	20°-2-17	21°-11-29	NONE	269	---
1923	16°-3-20	16°-3-20	24°-11-9	NONE	234	---
1924	22°-4-2	16°-2-22	21°-11-25	13°-11-26	237	278
1925	15°-3-3	15°-3-3	24°-11-23	18°-11-24	265	266
1926	24°-4-1	14°-3-14	24°-11-6	16°-12-6	219	277
1927	24°-3-5	9°-1-16	24°-11-20	16°-12-8	260	326
1928	24°-3-19	19°-2-27	21°-11-21	18°-11-26	247	273
1929	21°-2-24	20°-2-23	22°-11-29	13°-11-30	278	280
1930	20°-3-5	20°-3-5	24°-11-1	17°-11-27	241	267
1931	23°-3-5	18°-2-11	NONE	NONE	---	---
1932	18°-3-15	18°-3-15	14°-12-18	14°-12-18	278	278
1933	24°-3-11	18°-2-12	24°-11-9	19°-11-16	243	277
1934	20°-3-20	20°-3-20	23°-11-13	16°-12-11	238	266
1935	21°-3-1	10°-2-28	20°-11-24	20°-11-24	268	269
1936	14°-2-19	14°-2-19	22°-11-17	20°-11-26	272	281
1937	24°-3-17	17°-2-11	20°-11-20	20°-11-20	248	282
1938	24°-3-5	19°-2-1	21°-11-25	19°-11-26	265	298
1939	22°-3-20	16°-3-17	23°-11-1	18°-12-30	226	288
1940	23°-4-13	16°-2-3	23°-11-14	18°-11-15	215	286
1941	22°-3-18	19°-3-1	24°-11-26	NONE	253	---
1942	24°-2-28	18°-2-20	24°-11-28	19°-12-14	273	297
1943	17°-3-8	17°-3-8	21°-11-17	20°-12-15	254	282
1944	23°-3-9	14°-2-13	23°-12-1	18°-12-2	267	293
1945	23°-2-9	15°-2-1	19°-11-24	19°-11-24	288	296
1946	24°-2-21	16°-1-28	NONE	NONE	---	---
1947	17°-3-3	17°-3-3	22°-12-1	NONE	273	---
1948	24°-2-10	19°-2-1	22°-11-25	---------	289	---
1949	22°-3-16	20°-2-3	24°-11-19	20°-12-16	249	316
1950	24°-2-17	NONE	23°-11-12	17°-11-24	268	---
1951	24°-3-20	11°-2-9	18°-11-3	18°-11-3	228	267
1952	24°-2-18	17°-1-31	24°-10-30	20°-12-14	255	318
1953	21°-2-19	20°-2-18	23°-11-29	17°-12-17	283	302
1954	24°-3-8	19°-1-14	16°-11-3	16°-11-3	240	293
1955	19°-3-28	19°-3-28	24°-11-4	17°-11-29	221	246
1956	24°-3-18	19°-1-18	23°-11-10	16°-11-23	237	310
AVERAGE	March 8	February 19	Nov. 18	Nov. 29	254	282
Latest in Spring	April 13, 1940	March 28, 1955	--------	---------	---	---
Earliest in Fall	---------	---------	October 21, 1913	October 21, 1913	---	---

Extremes are underscored

HOT AND COLD PERIODS

Coldest winter of record, 1939 - 1940, mean temperature (December, January, February) 37.2°.

Warmest winter of record, 1931 - 1932, mean temperature (December, January, February) 51.0°.

Cold Period of January 12-23, 1940:

Date	12	13	14	15	16	17	18	19	20	21	22	23
Max. Temp.	28	27	48	48	38	38	36	36	35	35	33	43
Min. Temp.	- 6	- 17	24	23	21	22	17	13	17	15	19	17

Cold Period of January 19-30, 1940:

Date	19	20	21	22	23	24	25	26	27	28	29	30
Max. Temp.	23	30	32	38	35	28	17	16	23	32	39	36
Min. Temp.	- 3	1	7	11	27	11	3	- 5	- 12	- 16	15	22

Greatest Number of Consecutive Days with Temperature:

32° or below, 21, January 15 - February 4, 1940; 30° or below, 21, January 15 - February 4, 1940; 25° or below, 13, January 20 - February 1, 1936, and November 22-December 4, 1956; 20° or below, 7, November 24 - 30,1950; 15° or below, 6, January 24 - 29, 1940; 10° or below, 5, January 1 - 5, 1928; 5° or below, 4, January 25-28, 1940; 0° or below, 3, January 26 - 28, 1940; -5° or below, 3, January 26 -28, 1940; -10° or below, 2, January 27 - 28, 1940.

Warmest summer of record, 1943, mean temperature (June, July, August, 81.0°. Mean temperature for the summer of 1954 was 80.4°.

Coolest summer of record, 1910, mean temperature (June, July, August), 75.1°.

Greatest Number of Consecutive Days with Temperature:

90° or above, 43, June 24 - August 5, 1921; 95° or above, 24, July 13 - August 5, 1952; 100° or above, 11, July 21 - 31, 1952; 105° or above, 5, September 5-9, 1925.

HOT AND COLD PERIODS - Continued

Hot Period of August 30 - September 10, 1925:

Date	30	31	1	2	3	4	5	6	7	8	9	10
Max. Temp.	94	94	100	101	101	104	105	107	106	106	107	97
Min. Temp.	68	62	60	65	65	75	70	67	67	67	63	65

Hot Period of July 20 - 31, 1952:

Date	20	21	22	23	24	25	26	27	28	29	30	31
Max. Temp.	99	100	101	103	105	105	103	103	105	108	110	100
Min. Temp.	68	677	72	67	65	66	65	68	68	67	69	70

HEAVY SNOWFALLS OF 5.0 INCHES, OR MORE, IN 24-HOURS

February 25, 1914 - - - - - - - - - 6.0 inches

January 2, 1919 - - - - - - - - - - 5.5 inches

January 30, 1936- - - - - - - - - - 5.3 inches

January 23, 1940- - - - - - - - - - 7.5 inches

January 24, 1940- - - - - - - - - - 5.7 inches

Greatest depth of snow on ground was 13.2 inches on January 24, 1940. On January 30, 1936, there were 8.5 inches of snow on the ground.

DRY AND WET PERIODS

Greatest number of consecutive days without measurable rainfall, 52 days, September 30 - November 20, 1924.

Greatest number of consecutive days with rainfall, 15, July 15 - 29, 1917, total 5.88 inches and June 23 - July 7, 1932, total 9.15 inches.

SAINT BERNARD, ALABAMA

DRY PERIODS

Percentage of Years With Periods of Less Than 0.10 Inch of Rain

PERIOD	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	YEAR
7 Days or Longer	69	59	71	78	90	90	82	94	98	96	90	82	100
10 Days or Longer	49	27	41	47	59	61	51	74	74	82	66	50	100
14 Days or Longer	18	8	8	18	22	37	12	24	50	66	34	20	96
21 Days or Longer	6	0	2	4	6	6	2	6	18	20	16	2	61

The table above gives the percentage of years in which any month will have a period of 7, 10, 14, or 21 days or longer, in which not more than a tenth of an inch of rain falls in the period. For instance, 51% of the Julys will have periods of 10 days or longer in which not more than 0.10 inch will occur, and 66% of Octobers will have periods up to 14 days or longer. Under the "Year" column, notice that every year will get at least one period as long as 10 days without a tenth of an inch, while 61% of the years will get periods of 3 weeks or longer. This table shows September and October to be the driest months, with a secondary maximum in May and June.

* TIME OF SUNRISE AT SAINT BERNARD, ALABAMA (a.m., CST)

Latitude 34° 12' N. Longitude 86° 47' W.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6:54	6:45	6:17	5:36	4:59	4:38	4:40	4:59	5:21	5:42	6:07	6:35
2	6:54	6:45	6:16	5:35	4:58	4:38	4:41	5:00	5:22	5:43	6:08	6:36
3	6:54	6:44	6:15	5:33	4:57	4:37	4:41	5:01	5:23	5:44	6:09	6:37
4	6:54	6:43	6:13	5:32	4:56	4:37	4:41	5:01	5:23	5:44	6:10	6:38
5	6:54	6:42	6:12	5:31	4:55	4:37	4:42	5:02	5:24	5:45	6:11	6:38
6	6:54	6:41	6:11	5:29	4:54	4:37	4:42	5:03	5:25	5:46	6:12	6:39
7	6:54	6:41	6:10	5:28	4:53	4:37	4:43	5:03	5:25	5:47	6:13	6:40
8	6:54	6:40	6:08	5:27	4:53	4:36	4:43	5:04	5:26	5:47	6:14	6:41
9	6:54	6:39	6:07	5:25	4:52	4:36	4:44	5:05	5:27	5:48	6:15	6:42
10	6:54	6:38	6:06	5:24	4:51	4:36	4:45	5:06	5:28	5:49	6:16	6:42
11	6:54	6:37	6:04	5:23	4:50	4:36	4:45	5:06	5:28	5:50	6:17	6:43
12	6:54	6:36	6:03	5:21	4:49	4:36	4:46	5:07	5:29	5:51	6:17	6:44
13	6:54	6:35	6:02	5:20	4:48	4:36	4:46	5:08	5:30	5:51	6:18	6:45
14	6:54	6:34	6:00	5:19	4:48	4:36	4:47	5:09	5:30	5:52	6:19	6:45
15	6:53	6:33	5:59	5:18	4:47	4:36	4:48	5:09	5:31	5:53	6:20	6:46
16	6:53	6:32	5:58	5:16	4:46	4:36	4:48	5:10	5:32	5:54	6:21	6:47
17	6:53	6:31	5:56	5:15	4:45	4:36	4:49	5:11	5:32	5:55	6:22	6:47
18	6:53	6:30	5:55	5:14	4:45	4:36	4:49	5:11	5:33	5:55	6:23	6:48
19	6:52	6:29	5:54	5:13	4:44	4:37	4:50	5:12	5:34	5:56	6:24	6:48
20	6:52	6:28	5:52	5:11	4:43	4:37	4:51	5:13	5:34	5:57	6:25	6:49
21	6:52	6:27	5:51	5:10	4:43	4:37	4:51	5:14	5:35	5:58	6:26	6:49
22	6:51	6:26	5:49	5:09	4:42	4:37	4:52	5:14	5:36	5:59	6:27	6:49
23	6:51	6:24	5:48	5:08	4:42	4:37	4:53	5:15	5:37	5:59	6:28	6:50
24	6:50	6:23	5:47	5:07	4:41	4:38	4:53	5:16	5:37	6:00	6:29	6:51
25	6:50	6:22	5:45	5:06	4:41	4:38	4:54	5:16	5:38	6:01	6:30	6:51
26	6:49	6:21	5:44	5:05	4:40	4:38	4:55	5:17	5:39	6:02	6:31	6:52
27	6:49	6:20	5:43	5:03	4:40	4:39	4:56	5:18	5:39	6:03	6:32	6:52
28	6:48	6:18	5:41	5:02	4:39	4:39	4:56	5:19	5:40	6:04	6:32	6:52
29	6:47	6:17	5:40	5:01	4:39	4:39	4:57	5:19	5:41	6:05	6:33	6:53
30	6:47	----	5:39	5:00	4:39	4:40	4:58	5:20	5:42	6:06	6:34	6:53
31	6:46	----	5:37	----	4:38	----	4:58	5:21	----	6:06	----	6:53

* Data Computed from U. S.Naval Observatory Records.

Sunrise and sunset are considered to occur when the upper edge of the disk of the sun appears to be exactly on the horizon, with normal atmospheric conditions, and at zero elevation above the earth's surface in a level region. Times of sunrise and sunset shown in the tables are valid for the remainder of the 20th century.

* TIME OF SUNSET AT SAINT BERNARD, ALABAMA (p.m., CST)

Latitude 34° 12' N. Longitude 86° 47' W.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4:50	5:18	5:44	6:09	6:31	6:54	7:03	6:49	6:14	5:33	4:56	4:39
2	4:51	5:19	5:45	6:09	6:32	6:54	7:03	6:48	6:13	5:31	4:55	4:39
3	4:51	5:20	5:46	6:10	6:33	6:55	7:03	6:47	6:12	5:30	4:54	4:39
4	4:52	5:21	5:47	6:11	6:34	6:56	7:03	6:46	6:10	5:29	4:53	4:39
5	4:53	5:22	5:48	6:12	6:35	6:56	7:03	6:45	6:09	5:27	4:52	4:39
6	4:54	5:23	5:48	6:12	6:35	6:57	7:03	6:45	6:08	5:26	4:51	4:39
7	4:55	5:24	5:49	6:13	6:36	6:57	7:02	6:44	6:06	5:25	4:50	4:39
8	4:55	5:25	5:50	6:14	6:37	6:58	7:02	6:43	6:05	5:23	4:50	4:39
9	4:56	5:26	5:51	6:15	6:38	6:58	7:02	6:42	6:03	5:22	4:49	4:39
10	4:57	5:27	5:52	6:15	6:38	6:59	7:02	6:41	6:02	5:21	4:48	4:39
11	4:58	5:28	5:52	6:16	6:39	6:59	7:01	6:40	6:01	5:19	4:47	4:39
12	4:59	5:29	5:53	6:17	6:40	7:00	7:01	6:38	5:59	5:18	4:47	4:40
13	5:00	5:30	5:54	6:18	6:41	7:00	7:01	6:37	5:58	5:17	4:46	4:40
14	5:01	5:31	5:55	6:18	6:42	7:00	7:00	6:36	5:56	5:16	4:45	4:40
15	5:02	5:32	5:56	6:19	6:42	7:01	7:00	6:35	5:55	5:14	4:45	4:40
16	5:03	5:33	5:56	6:20	6:43	7:01	7:00	6:34	5:54	5:13	4:44	4:41
17	5:04	5:34	5:57	6:21	6:44	7:01	6:59	6:33	5:52	5:12	4:44	4:41
18	5:05	5:35	5:58	6:21	6:45	7:02	6:59	6:32	5:51	5:11	4:43	4:41
19	5:06	5:36	5:59	6:22	6:45	7:02	6:58	6:31	5:49	5:10	4:43	4:42
20	5:07	5:36	6:00	6:23	6:46	7:02	6:58	6:29	5:48	5:08	4:42	4:42
21	5:08	5:37	6:00	6:24	6:47	7:02	6:57	6:28	5:47	5:07	4:42	4:42
22	5:09	5:38	6:01	6:25	6:47	7:03	6:56	6:27	5:45	5:06	4:41	4:42
23	5:10	5:39	6:02	6:25	6:48	7:03	6:56	6:26	5:44	5:05	4:41	4:44
24	5:10	5:40	6:03	6:26	6:49	7:03	6:55	6:25	5:42	5:04	4:40	4:44
25	5:11	5:41	6:03	6:27	6:50	7:03	6:54	6:23	5:41	5:03	4:40	4:45
26	5:13	5:42	6:04	6:28	6:50	7:03	6:54	6:22	5:40	5:02	4:40	4:45
27	5:14	5:43	6:05	6:28	6:51	7:03	6:53	6:21	5:38	5:01	4:40	4:46
28	5:14	5:43	6:06	6:29	6:51	7:03	6:52	6:19	5:37	5:00	4:39	4:47
29	5:15	5:44	6:06	6:30	6:52	7:03	6:51	6:18	5:36	4:59	4:39	4:47
30	5:16	----	6:07	6:31	6:53	7:03	6:51	6:17	5:34	4:58	4:39	4:48
31	5:17	----	6:08	----	6:53	----	6:50	6:16	----	4:57	----	4:49

* Data Computed from U. S. Naval Observatory Records.

Sunrise and sunset are considered to occur when the upper edge of the disk of the sun appears to be exactly on the horizon, with normal atmospheric conditions, and at zero elevation above the earth's surface in a level region. Times of sunrise and sunset shown in the tables are valid for the remainder of the 20th century.

SAINT BERNARD, ALABAMA

Latitude 34° 12' N. Longitude 86° 47' W.

* TWILIGHT AND DAYLIGHT DURATIONS (Hours and Minutes)

DATE		Twilight			Daylight	DATE		Twilight			Daylight
		Civil	Nautical	Astro-nomical				Civil	Nautical	Astro-nomical	
January	1	0:28	0:59	1:29	9:56	July	1	0:29	1:05	1:44	14:23
January	15	0:27	0:58	1:28	10:09	July	15	0:29	1:03	1:41	14:12
February	1	0:26	0:56	1:26	10:33	August	1	0:27	1:00	1:36	13:50
February	15	0:26	0:55	1:24	10:59	August	15	0:26	0:58	1:31	13:26
March	1	0:25	0:54	1:23	11:27	September	1	0:26	0:56	1:27	12:53
March	15	0:25	0:54	1:23	11:57	September	15	0:25	0:54	1:24	12:24
April	1	0:25	0:55	1:25	12:33	October	1	0:25	0:54	1:23	11:51
April	15	0:26	0:56	1:28	13:01	October	15	0:25	0:54	1:23	11:21
May	1	0:27	0:59	1:33	13:32	November	1	0:26	0:55	1:25	10:49
May	15	0:28	1:01	1:37	13:55	November	15	0:27	0:57	1:26	10:25
June	1	0:29	1:04	1:42	14:16	December	1	0:27	0:58	1:28	10:04
June	15	0:29	1:05	1:45	14:25	December	15	0:28	0:59	1:30	9:54

* Data Computed from U. S. Naval Observatory Records.

Duration of daylight is the interval from sunrise to sunset.

Duration of Civil twilight is the interval in the evening from sunset until the time when the center of the Sun is 6° below the horizon; or the corresponding interval in the morning between sunrise and the time at which the Sun was still 6° below the horizon. Civil twilight is intended to cover the somewhat indefinite periods after sunset and before sunrise during which the natural illumination usually remains sufficient for ordinary out-door operations to be carried on; but actually the illumination during the interval when the Sun is less than 6° below the horizon varies greatly according to weather conditions, especially cloudiness and haze, and local surroundings.

Durations of nautical and astronomical twilight are, respectively, the intervals between sunrise or sunset and the times at which the center of the Sun is 12° and 18° below the horizon. The limits of astronomical twilight are the times at which complete darkness (aside from moonlight or starlight) begins in the evening and ends in the morning. Nautical twilight represents an intermediate stage of illumination.

The time at which evening twilight ends is given by adding the duration of twilight to the time of sunset; and the time at which morning twilight begins is obtained by subtracting the duration from the time of sunrise.

Prepared under the Direction of
Arthur R. Long, State Climatologist
Weather Bureau Office
Montgomery, Alabama

THE CLIMATE OF SAINT BERNARD, ALABAMA

Situated approximately 250 miles north of the Gulf of Mexico, Saint Bernard has a temperate climate.

During the period June-September, temperature and humidity conditions are rather steady with generally little change from day to day.

In the coldest months (December, January and February) there are frequent shifts between mild air, which has been moistened and warmed by the sea, and dry, cool continental air. The winter climate of Saint Bernard is decidedly more continental in character than that which is to be found 50 to 100 miles farther south. Minimum temperatures on clear nights are among the lowest in the State throughout the year, because the location is in a valley where soil and vegetation conditions radiate heat rapidly from radiation cooled air which drains from higher ground. During the period from the autumn of 1907 through 1956, there have been six cold spells in which temperatures of zero, or below, have occurred. Every sub-zero temperature recorded at Saint Bernard was the result of snow-cooled air being subjected to clear, calm night radiation and drainage which are usually strong when the ground is covered with snow. The afternoon maximum temperatures of winter compare favorably with other stations of the same latitude in Alabama.

From late June through the first half of August, nearly all precipitation is from local, mostly afternoon, thundershowers, and there are apt to be considerable differences in day-to-day amounts of rainfall in different parts of the Saint Bernard area. Afternoon maximum temperatures in summer are usually about the same as at most other stations in north and central Alabama. In late August, and in September, summer conditions of temperature and humidity largely persist as air continues to drift in from the Gulf, but local thundershowers become less frequent because of the shortening of the days and the decrease in heat received from the sun. As this late summer period progresses, these local heat thundershowers give way to thundershowers which occur ahead of pre-autumn drops in temperature, and to occasional general rain associated with storms on the gulf.

Rains during October are nearly always showers or thundershowers occurring ahead of temperature drops, which become more pronounced as winter approaches. The same is largely true of November.

All types and intensities of rain, excepting the heat thundershowers of summer, may occur at any time from December through March or early April.

Most rain from late April through early June is in the form of thundershowers or showers occurring in advance of approaching cool waves, which become weaker, less pronounced, and less frequent as summer approaches. It is during this spring season, and during late summer and early autumn, that dry periods sometimes occur.

Snow does not often occur in the Saint Bernard area, and seldom stays on the ground more than a few days at a time.

Wind movement is normally light. Strong winds seldom last long at a time. Dangerous straight winds are very rare. Tornadoes occur somewhat more frequently in the northwestern half of Alabama; however, a tornado covers a very small area, and the likelihood of any one spot in Cullman County being hit by one of these storms is probably not more than once in 5,000 years.

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Temperature

Average temperature for the entire year is 61.0°. Seasonal averages are: Spring, 60.4°; Summer, 77.4°; Fall, 61.8°; and Winter, 44.2°. Lowest temperature on record is - 17° in January, 1918. Highest temperature of record is 110° in July, 1952.

The weather is mild during much of the year, and the winters are not too severe. Summers are rather long and hot, but afternoon and evening warmth, from late June through the first half of August, is often relieved by thundershowers occurring in or near Saint Bernard. Cool air spreading out of a local thundershower is usually felt over a considerably larger area than that over which the rain falls.

On June 21st, the sun is vertically overhead at noon at the tropic of Cancer, (23° 27' N. Lat.) and has its greatest noon elevation at all latitudes north of the tropic and its least elevation in the Southern Hemisphere. On December 21st, the positions are reversed, and the angle which the sun's rays make with the horizon is least in northern latitudes and greatest from the tropic of Capricorn, (23° 27' S. Lat.), southward. These dates are the summer solstice and winter solstice, respectively, in the Northern Hemisphere. On account of Leap Year, these dates may occur on June 22d and December 22d in some years.

Since the sun's rays are more nearly perpendicular to the earth's surface in June, and the days are longer, in the Northern Hemisphere, more heat is received per unit area of the earth's surface on June 21st. Similarly, the sun's rays are more oblique, and the days are shorter in December, in the Northern Hemisphere, so less heat is received on December 21st per unit area of the earth's surface. However, owing to the retardation of absorption and radiation of heat by the earth's surface, the warmest month is normally July and the coldest is January.

Diurnal Temperature Fluctuations

The highest daily temperature normally occurs about the middle of the afternoon, usually about 3 p.m., for the year as a whole. Lowest daily temperature normally occurs about sunrise, or about 6 a.m. for the year as a whole. Heat transfer from the earth's surface to the immediately adjacent air layer is accomplished partly by conduction. This air layer then conducts heat to the next air layer above and so on. The first air layer exchanges heat with air layers by convection or turbulence. Vertical and horizontal transport of various quantities of air promotes the constant exchange of air near the earth's surface with air from different levels. The maximum radiation intensity is usually reached at noon when the sun's rays are most nearly prependicular to the earth's surface, but the maximum air temperature lags behind for a few hours because heat is stored in the superficial layers of the ground from which it is slowly being released into the air. As the sun sets, the air temperature falls slowly, then more rapidly immediately after sunset. During the night, the cooling process slackens

but continues until shortly before sunrise. The temperature rises very rapidly during the first few hours after sunrise then the rise slackens considerably until the maximum is reached about the middle of the afternoon. The slowing down of the rise in temperature is due to the exchange of parcels of air between the earth's surface and the higher levels. The relatively cool descending air has to be heated anew.

Exposure of Thermometers

Weather Bureau thermometers are placed in a wooden shelter, with louvered sides to permit proper ventilation, with the thermometers some four or five feet above the ground (or roof). Temperatures thus measured are air temperatures which are the same in sunlight and shade. One feels cooler in the shade, not because the air is cooler, but because his body is no longer receiving and absorbing the powerful rays of the sun. A thermometer will absorb heat if exposed to the sun or radiation from any other surface, and it will record the temperature of its radiation-warmed bulb rather than the temperature of the air, unless it is properly exposed.

Normal and Record Mean

Normal is a mean based upon the 30-year period of record 1921-1950, revised each decade by dropping the first 10 years of data and adding the 10 most recent years.

Record Mean is an average for the full length of station record.

Heating Degree Days

Heating degree days are used in computing fuel requirements. The "base" for computing heating degree days is a mean daily temperature of 65°. These data are obtained by subtracting the mean daily temperature from the base, e.g., a mean daily temperature of 64° is one degree day. If the mean daily temperature is equal to or greater than 65°, there are no heating degree days. If the daily mean temperature continues below 65° for any length of time, heating will be necessary for human comfort.

Precipitation

Precipitation is rainfall and the water equivalent of hail, sleet, and snow. The climate of Saint Bernard is humid, having an average annual precipitation of 55.76 inches.

Of the total annual precipitation, 28% fall in the Spring, to insure ample moisture for the good growth of vegetation; 24% falls in Summer, to aid in the peroper maturity of crops; 18% falls in Autumn, the lesser amount being very beneficial in the harvesting of crops; and 30% falls in Winter, to replenish the supply of subsoil moisture.

Experiments have proved that irrigation increases production, even though the climate is humid and rainfall abundant. Experiments have shown that optimum growth of crops occurs with approximately 1 inch of rainfall per week during the growing season. Although the rainfall averages slightly more than 1" per week, an inch of rainfall does not occur each week. On an average records show that

one period of 4 weeks with a total of 1" rainfall or less is likely to occur each year during the main growing season of March through August with another period occurring during the autumn. Periods of two weeks with a total of 1" or less of rainfall will occur on an average of 4 times from March through August. Dry periods occur regularly in the autumn and prevent many crops from being grown even though temperatures are mild and the growing season extends well into the autumn. Irrigation makes it possible to grow fall crops.

Hail and Sleet

Hail is caused by the freezing of raindrops as they are carried upward, by vertical currents, to an altitude where the temperature is below freezing. Hail storms are rather infrequent in the Saint Bernard area, averaging about 1 per year.

Sleet is caused by raindrops falling through air with temperatures below freezing on their way earthward. Sleet usually lasts for only a short period of time and is light. It occurs on an average of about once a year, during the colder months, and never reaches hazardous proportions in the Saint Bernard area.

Snowfall

Snow is caused by the sublimation of water vapor at temperatures below 32° F. only. Snowfall in the Saint Bernard area averages 2.2 inches per year. Snow usually remains on the ground for only very brief periods.

Humidity

Relative humidity is the quantity of water vapor present expressed as a per cent of the quantity required for saturation at that temperature. Cold is more penetrating on a damp day than on a dry day because the moisture in the air makes the clothing a better heat conductor and this increases the loss of heat from the body. A humid, hot summer day is more oppressive than a dry, hot summer day, because the high relative humidity (greater percentage of moisture already in the air) reduces the evaporation of perspiration from the body thus retarding this cooling effect.

Average relative humidities are: Spring, 66%; Summer, 73%; Autumn, 70%; Winter, 72%; and Annual, 70%. The highest daily humidity usually occurs about the time of the lowest daily temperature, or about 6 a.m. for the entire year. The lowest daily humidity usually occurs about the time of the highest daily temperature, about the middle of the afternoon or about 3 p.m. for the year as a whole. The lowest monthly humidity occurs in April, 65%, and the highest in August, 74%. Humidity data are not available for Saint Bernard and Birmingham data are used instead.

Sunshine

October is the sunniest month, with approximately 69% of the possible sunshine; and December is the least sunny, with only about 45%. (Birmingham data)

Wind

Wind is the horizontal movement of the air. The average hourly velocity at

Birmingham is 7.0 miles per hour and is approximately the same at Saint Bernard. The windiest month is March with an average velocity at Birmingham of 8.9 miles per hour.

Frost and Dew

Frost is caused by the sublimation of water vapor at temperatures below 32° F. Dew is formed on the earth's surface, and objects near the ground, by the condensation of moisture upon the radiation-cooled objects. Since frost and dew do not fall from the clouds, but are formed at or very near the earth's surface, they are not considered as precipitation. Although it is common practice to consider 32° F. as the freezing point of water, it would be more correct to consider it as the melting point of ice. Ice will melt at 32° F. regardless of the temperature at which the liquid froze. On the other hand, water has been known to remain in the liquid state at temperatures several degrees below 32° F.

Freeze Free Periods

Freeze free periods are determined by the number of days between the last day with a 32° temperature in Spring and the first day in Autumn. Hardier vegetation will grow at temperatures above 28°, and still other vegetation will grow at temperatures above 24°, and some at temperatures above 16°. It is generally considered that clovers in Alabama will be killed by temperatures at 16° or below.

Dormancy of Peaches

Peach trees enter a period of dormancy called a "rest period", as they lose their leaves in the fall. Even though temperature and moisture conditions are favorable, the buds will not grow during this period. The rest period is necessary; otherwise, the buds would grow during warm periods in fall or winter. The buds normally need a certain amount of chilling weather to break the rest period, extending over a certain period of time. Observations and experiments, made at the U. S.Field Laboratory at Fort Valley, Ga., have shown that temperatures at 45° F., or lower, provide the chilling necessary to break the rest period. If development of leaves and flowers is to be normal, the necessary chilling must occur before February 15th for flower buds and March 31st for leaf buds. Chilling requirements for certain varieties are listed below:

	NUMBER OF HOURS TEMPERATURE 45° F. or LOWER	
PEACH VARIETY	FLOWER BUDS	LEAF BUDS
Cardinal	850	950
Coronet	850	850
Dixigem	850	950
Dixired	950	1050
Duke of Georgia	750	850
Early Red Fre	850	1150
Elberta	850	950
Sullivan Elberta	850	950
Halehaven	850	950
Hiland	750	750
Hiley	750	750

PEACH VARIETY	NUMBER OF HOURS TEMPERATURE 45° or LOWER FLOWER BUDS	LEAF BUDS
Early Hiley	750	750
Pearson Hiley	750	750
Early Rose	1150	1150
Keystone	750	750
Mayflower	1150	1150
Maygold	650	650
Redcap	750	750
Redhaven	950	1050
Southland	750	750

If the trees are not exposed to sufficient cold, the buds do not open in the spring. With most fruits the blossom buds require slightly less cold than the leaf buds, and frequently in southern latitudes blossom buds will open before the leaf buds begin to grow. Unless the leaf system develops with or shortly after blossom opening, fruit fails to set owing to lack of a food supply from leaves. If the amount of chilling by February 15th is only 100 hours less than a peach variety needs, that variety generally will blossom and leaf out slowly and will probably set a crop of fruit. If the amount of chilling is 200 hours short of that needed, blossoming and leafing will be very irregular and delayed, and a crop of fruit may or may not be set. If the amount of chilling is 300 hours,or more, short of that needed, many of the flower buds will die and the chances of a crop of fruit would be slight. Leafing out would be very much delayed: in fact, the trees might remain dormant until late April or May.

Average seasonal number of hours with temperature 45° F., or lower, are 892 at Montgomery; 1253 at Birmingham; 1167 at Tuscaloosa; and, 1290 at Anniston.

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The people of Saint Bernard and Cullman County are greatly indebted to the following public spirited citizens who contributed their time through the years to record the data which have been tabulated herein:

OBSERVER	PERIOD SERVED
Eron B. Wallace) at Cullman	August 1, 1897 - February 8, 1908
Eugene A. Grayot)	February 9, 1908 - May 16, 1916
Rev. William Geis	May 17, 1916 - January 31, 1920
Rev. B. Eiwanger	February 1, 1920 - August 31, 1920
Rev. William Geis	Sept. 1, 1920 - August 31, 1922
Father F. Hoffman	September 1, 1922 - July 31, 1927
Father H. Schwallie	August 1, 1927 - July 31, 1932
Father H. Germann	August 1, 1932 - September 4, 1940
Father John Capesius	September 5, 1940 - June 30, 1947
Father Frederick Smith	July 1, 1947 - March 31, 1952
Father Roger Lott	April 1, 1952 - to date

U. S. GOVERNMENT PRINTING OFFICE: 1958 O - 449821