CLIMATOLOGICAL SUMMARY

CLIMATOGRAPHY OF THE U. S. NO. 20-32

JAMESTOWN, NORTH DAKOTA

Latitude 46° 53' N Longitude 98° 41' W

Elevation 1457

Prepared By
Weather Bureau
State Climatologist
For North Dakota

Data Compiled
From Official
U. S. Weather
Bureau Records

1st JAMES RIVER NATIONAL BANK

JAMESTOWN, NORTH DAKOTA

CL 2-1020

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Jamestown, the county seat of Stutsman County, is located in southeastern North Dakota. The city is located in the valley of the James River which flows through the eastern portion of the county. The surrounding area is rolling, fertile farmland. The main cash crops of the area are wheat, barley, and flax, with an extensive cattle industry.

Although the variations in topography may cause minor differences in climatic factors, the data in this summary are considered representative of the area surrounding Jamestown. The frequent passage of weather systems across the area brings a variety of weather in all seasons. Hot humid days are rare in summer, but cold waves and blizzards may be expected each winter.

Maximum temperatures during the three summer months June, July, and August average about 81 degrees. Temperatures of 90 degrees or more occur on an average of 18 days per year ranging from 1 in the summer of 1911 to 54 in 1936. Temperatures in the winter months of December, January, and February average about 11 degrees, but maximum temperatures exceed the freezing mark on 24 days during those months. Temperatures drop to below zero on an average of 51 days during the year. The average date of the last 32 degree reading in the spring is May 17th and the first 32 degree reading in the fall is September 19th. The average length of the freeze-free period is 125 days.

The annual precipitation at Jamestown is 19.07 inches, of which three-fourths falls in the growing season April through September, and about one-half falls in the months of May, June, and July. Annual precipitation has ranged from about 7 inches in 1936 to over 28 inches in 1921. Summertime precipitation usually falls in the form of thunderstorms; about 30 storms are reported each year. June is usually the wettest month of the year but July, 1962, when 11.98 inches of precipitation was measured, is the wettest month on record. The greatest daily rainfall on record is the 6.45 inches which fell in 2½ hours during the afternoon of August 20, 1918. Precipitation of .10 inch per day can be expected on an average of 45 days per year, and rainfall of 1.00 inch or more per day occurs about two or three times per year. The likelihood of 1.00 inch or more of rain in a 7-day period is greatest the fourth week in June when the chance is 1 year in 3. The likelihood of a dry 7-day period, trace or less, is greatest the first week in November when the chance is about 2 years in 3. Intensities of about 1.15 inches or more in 1 hour, 1.70 inches in 6 hours, and 2.10 inches in 24 hours can be expected once in two years. About 36 inches of snow can be expected each year. Annual snowfall in the years 1941-1962 has ranged from 8.5 inches in the winter of 1958-1959 up to 103.8 inches in the winter of 1949-1950. Measurable snowfall can be expected one year in three in October and one year in five in May. Snow usually stays on the ground from the first part of December until the middle of March.

Prevailing winds are northwesterly in winter and southerly in summer. Wind speeds of 15 miles per hour or less are reported about 72% of the time.

Sunshine and relative humidity records are not available but the following data from Bismarck and Fargo should approximate conditions at Jamestown. Sunshine averages about 60% of the possible amount, ranging from 45% in the winter months to 70% in the summer. The average cloud cover is about six-tenths with over 200 days each year classified as either clear or partly cloudy. Relative humidity during the summer months varies from about 80% in the early morning to 45% in the late afternoon and during the winter the humidity averages about 75% day and night.

Alfred A. Skrede
State Climatologist
U. S. Weather Bureau
Bismarck, North Dakota

MEANS AND EXTREMES FOR PERIOD

Month	Temperature (°F)							**	Precipitation Totals (Inches)								Mean number of days					Month
	Means			Extremes								Snow, Sleet						Temperatures				
																		Max.		Min.		
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year	Mean degree days	Mean	Greatest daily	Year	Mean	Maximum monthly	Year	Greatest daily	Year	Precip. .10 inch or more	90° and above	32° and below	32° and below	0° and below	
(a)	70	70		70		70			70	70		21	21		21		70	70	70	70	70	
J	17.9	-2.9	7.5	56	1908	-41	1918	1755	0.51	.85	1907	6.6	30.4	1950	10.1	1952	2	0	25	30	18	J
F	21.2	0.7	11.0	65	1898	-40	1893	1481	0.58	1.57	1958	5.8	13.1	1943	9.0	1951	2	0	21	28	14	F
M	35.3	14.7	25.0	85	1910	-29	1948	1237	0.85	1.40	1929	7.6	23.3	1943	9.7	1943	3	0	13	29	5	M
A	54.4	30.2	42.3	95	1952	-8	1899	687	1.63	2.30	1896	3.1	13.6	1950	7.5	1942	4	0	1	19	0	A
M	67.7	41.2	54.5	99	1906	8	1909	338	2.60	2.25	1912	1.0	13.0	1950	7.2	1950#	6	1	0	5	0	M
J	76.5	51.5	64.0	103	1931	27	1910	108	3.60	4.88	1956				T	1955	7	2	0	0	0	J
J	83.3	56.4	69.9	112	1917	35	1945	28	2.88	3.00	1908						6	7	0	0	0	J
A	82.0	53.6	67.8	107	1958#	29	1907	40	2.41	6.45	1918						5	6	0	0	0	A
S	71.2	43.4	57.3	101	1947#	17	1930#	231	1.60	2.75	1912	0.1	2.1	1942	2.1	1942	4	2	0	4	0	S
O	58.1	32.5	45.3	93	1905	-8	1919	574	1.14	1.74	1940	0.9	5.2	1959	4.6	1951	2	0	1	15	0	O
N	37.8	18.0	27.9	77	1904	-27	1905	1107	0.69	1.44	1908	4.4	17.6	1947	6.5	1947	2	0	10	27	3	N
D	24.2	4.8	14.5	61	1941	-40	1916	1528	0.58	1.20	1894	6.2	21.3	1949	12.2	1949	2	0	20	30	11	D
Year	52.5	28.7	40.5	112	1917	-41	1918	9114	19.07	6.45	Aug. 1918	35.7	30.4	Jan. 1950	12.2	Dec. 1949	45	18	91	187	51	Year

(a) Average length of record, years.

T Trace, an amount too small to measure.

** Base 65°F

Also on earlier dates, months, or years.

* Less than one half.

MONTHLY AND SEASONAL SNOWFALL

	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Total
1941-1942	0	T	4.5	2.7	T	0.7	9.1	8.5	T	25.5
1942-1943	2.1	2.6	1.6	5.9	4.0	13.1	23.3	T	T	52.6
1943-1944	0	2.9	4.0	1.4	2.5	3.9	10.4	T	0.2	25.3
1944-1945	0	0	4.7	0.4	2.9	6.3	2.8	0.5	T	17.6
1945-1946	T	0	1.7	8.6	6.1	7.5	0.1	6.5	T	30.5
1946-1947	0	0.1	1.9	11.4	4.1	6.6	4.0	7.4	T	35.5
1947-1948	0	0	17.6	6.5	5.0	8.8	7.3	0.7	0	45.9
1948-1949	0	0	2.6	1.5	11.5	6.8	8.7	T	0	31.1
1949-1950	0	0.7	3.7	21.3	30.4	2.9	18.2	13.6	13.0	103.8
1950-1951	0	3.5	8.2	12.7	11.0	12.6	10.6	2.2	0	60.8
1951-1952	0	4.9	3.0	9.9	17.9	13.0	11.9	T	T	60.6
1952-1953	0	T	4.2	4.7	3.5	6.9	3.8	5.3	4.5	32.9
1953-1954	0	T	5.7	5.8	7.5	0.9	14.7	1.7	2.5	38.8
1954-1955	0	T	2.4	0.7	3.0	8.2	2.3	T	0	16.6
1955-1956	0	T	6.1	3.2	8.2	4.2	13.6	3.4	T	38.7
1956-1957	0	0	2.6	1.6	5.0	5.9	0.5	1.1	0	16.7
1957-1958	T	T	2.7	6.5	3.5	0.7	1.6	0.5	0	15.5
1958-1959	T	T	1.8	1.1	1.4	2.7	1.5	T	0	8.5
1959-1960	0	5.2	8.7	1.6	3.4	4.1	2.4	8.2	T	33.6
1960-1961	0	T	4.0	15.8	0.4	3.0	1.0	4.0	0	28.2
1961-1962	T	0	T	7.4	7.0	3.7	11.5	1.3	0	30.9

Average Temperature (°F)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1893	9.2	-0.4	15.7	35.5	52.5	69.1	70.2	78.4	58.5	42.7	2.6	16.2	37.5
1894	3.5	10.9	27.2	43.0	55.0	69.9	73.4	71.4	59.2	46.0	26.4	24.3	42.5
1895	1.3	11.8	26.2	51.7	54.5	68.2	68.4	68.2	60.3	42.5	23.8	16.2	41.1
1896	9.6	18.4	17.6	41.4	58.6	66.6	69.2	67.3	55.1	43.0	10.4	17.4	39.6
1897	6.0	10.0	14.4	44.9	55.4	61.2	67.8	63.6	63.0	50.0	23.4	12.2	39.3
1898	16.1	15.8	19.6	43.4	52.2	63.8	69.0	64.9	55.6	40.9	27.8	22.2	40.9
1899	7.2	2.2	11.2	37.7	50.1	62.4	68.7	68.2	58.5	44.0	37.2	13.8	38.4
1900	16.8	4.9	23.8	53.0	60.0	66.6	68.3	70.8	55.6	46.9	21.2	14.0	41.8
1901	6.0	6.0	25.4	45.3	62.5	62.6	71.9	66.8	52.7	48.5	25.1	10.2	40.3
1902	12.5	10.1	28.2	38.6	55.2	58.1	67.9	65.0	53.6	43.6	29.4	7.0	39.1
1903	9.0	1.4	21.4	44.1	56.6	61.2	67.6	65.8	53.2	48.5	26.0	15.2	39.2
1904	3.2	-3.2	20.7	39.4	54.8	63.4	64.2	65.1	55.0	48.0	36.6	16.0	38.6
1905	1.0	10.2	36.6	42.9	52.4	62.0	68.2	65.2	61.6	44.4	34.6	18.7	41.5
1906	17.7	17.7	23.8	56.1	61.8	62.5	69.4	66.7	63.9	46.7	26.8	9.4	43.5
1907	-2.8	14.2	26.8	36.6	46.8	63.8	68.2	66.7	52.6	43.8	30.6	22.6	39.2
1908	18.6	14.4	22.3	44.6	50.6	61.2	69.3	64.0	61.6	43.8	31.8	13.2	41.3
1909	4.7	9.8	24.7	35.2	51.3	63.6	66.8	66.2	56.6	41.0	29.0	3.7	37.7
1910	8.2	2.6	40.4	47.6	49.4	66.0	68.0	67.4	54.0	47.0	25.3	15.4	40.9
1911	-2.3	6.8	33.5	42.8	54.5	64.6	64.0	60.7	53.2	43.8	17.6	16.8	38.0
1912	-5.2	12.6	16.0	44.0	53.8	60.7	66.8	62.1	51.1	43.4	33.2	18.6	38.1
1913	3.0	4.9	16.2	47.3	51.2	66.2	65.7	68.6	56.1	39.2	34.0	22.9	39.6
1914	15.0	3.1	26.3	40.4	57.6	62.8	73.1	65.3	61.0	51.2	32.4	5.9	41.2
1915	5.0	17.0	24.8	49.8	51.6	59.2	63.6	64.9	56.9	47.0	29.6	15.5	40.4
1916	-6.3	7.1	21.3	40.2	52.0	58.4	74.9	65.8	55.2	39.2	28.1	1.4	36.4
1917	0.6	-0.7	22.0	36.6	51.4	60.2	72.2	66.2	54.8	33.6	33.9	1.6	36.0
1918	-4.0	7.8	33.0	40.0	50.0	63.0	67.2	67.0	52.8	51.2	31.6	21.0	40.1
1919	20.4	10.8	20.8	43.2	56.0	67.4	71.6	68.9	62.0	36.2	17.9	9.0	40.4
1920	6.5	12.6	27.0	34.6	55.2	63.6	69.0	69.2	60.6	50.6	29.8	14.2	41.1
1921	16.9	22.1	26.2	44.3	56.6	69.4	72.0	69.0	60.6	49.8	22.2	18.1	43.9
1922	11.0	4.0	28.6	43.0	57.0	65.4	67.4	71.1	60.8	45.4	32.7	10.6	41.4
1923	11.4	4.8	16.8	39.1	54.8	66.0	68.4	60.4	57.8	45.0	36.7	23.3	40.4
1924	6.0	20.6	28.4	41.2	48.0	58.6	64.6	61.6	50.4	49.2	27.8	2.3	38.2
1925	7.6	15.5	27.3	46.4	53.8	62.0	66.8	69.1	57.6	32.6	26.9	15.0	40.1
1926	15.4	20.6	24.4	40.4	57.6	60.8	67.6	63.2	48.6	36.5	16.3	6.2	38.1
1927	0.6	11.6	29.4	40.6	47.6	61.7	65.6	64.0	56.7	46.0	21.0	-2.6	37.5
1928	12.6	17.4	26.8	35.7	57.7	59.2	67.8	65.6	53.6	43.1	30.6	21.4	41.0
1929	-5.7	1.1	30.4	41.2	51.1	62.1	70.2	68.2	51.5	44.4	22.7	10.2	37.3
1930	-2.0	20.4	26.2	46.2	51.1	63.6	72.2	70.2	56.7	42.4	29.8	19.4	41.4
1931	21.0	27.8	25.8	42.3	51.8	67.6	71.0	66.7	61.4	48.8	31.4	19.4	44.6
1932	10.2	13.6	19.1	43.4	55.3	67.8	70.4	69.0	55.9	39.9	26.7	13.6	40.3
1933	11.8	8.4	28.9	38.9	54.4	71.5	71.3	67.9	61.8	42.1	27.8	8.4	41.1
1934	17.0	18.6	26.9	42.6	63.3	64.8	72.0	65.8	51.8	49.2	33.6	13.4	43.3
1935	4.6	26.1	27.4	37.4	49.2	61.8	75.2	66.2	56.9	43.9	17.1	11.2	39.8
1936	-7.2	-12.0	26.8	35.4	61.6	67.9	82.4	71.2	59.8	39.6	25.6	14.4	38.8
1937	-9.6	1.4	19.2	36.6	57.0	64.2	73.0	74.8	58.4	44.9	25.1	11.2	38.0
1938	7.8	8.0	34.2	44.6	51.9	65.0	71.2	71.1	61.7	51.6	24.4	19.2	42.6
1939	4.0	0.2	26.1	40.8	61.2	62.0	74.2	71.1	58.4	41.6	37.6	28.8	42.2
1940	4.0	16.2	24.3	40.6	56.8	66.2	75.0	68.2	64.2	52.2	23.6	11.5	41.9
1941	10.6	11.3	26.0	47.3	60.5	66.0	72.5	69.9	58.6	46.6	30.8	23.8	43.7
1942	19.6	15.6	32.2	46.6	51.5	62.0	68.2	67.8	55.0	47.6	30.6	11.0	42.3
1943	0.0	15.8	19.3	46.0	50.6	63.1	72.4	69.8	57.0	48.9	29.4	22.2	41.2
1944	23.0	11.0	19.8	41.0	59.6	64.5	70.4	68.0	57.8	49.4	30.3	16.8	42.6
1945	12.5	15.2	35.4	40.0	49.2	59.3	68.8	67.9	55.9	44.8	22.6	5.4	39.8
1946	8.8	8.6	35.6	48.8	51.0	64.6	71.3	65.6	56.6	42.3	27.4	14.2	41.2
1947	18.4	10.4	24.8	40.6	51.1	61.1	71.6	74.0	57.8	53.4	23.6	13.0	41.7
1948	8.3	8.0	18.5	43.2	56.6	64.4	72.0	72.4	64.7	48.3	30.2	13.3	41.7
1949	5.5	4.7	24.2	48.1	57.7	63.9	71.4	72.0	56.7	45.9	36.8	9.8	41.4
1950	-9.5	-16.6	21.6	33.9	50.9	66.1	67.8	65.3	59.2	48.1	22.6	10.1	35.0
1951	2.8	2.8	14.3	40.6	58.3	59.6	68.5	66.1	54.5	43.3	22.9	7.5	36.8
1952	3.3	17.9	19.5	48.6	56.0	66.3	70.2	69.0	62.9	43.6	31.1	17.8	42.2
1953	13.7	19.5	27.9	37.6	53.8	64.6	69.5	72.0	59.5	54.0	35.8	20.6	44.0
1954	1.1	31.9	25.0	41.3	51.4	63.7	71.0	68.2	57.0	45.4	36.0	23.1	42.9
1955	13.1	7.5	20.9	50.5	60.5	64.2	73.7	72.6	58.6	48.6	17.9	7.2	41.3
1956	8.2	8.8	22.2	36.1	55.1	70.7	67.8	67.8	55.7	50.5	30.8	20.0	41.1
1957	4.0	12.7	27.9	41.8	54.8	62.7	75.1	68.9	56.9	45.7	30.0	23.7	42.0
1958	18.7	13.4	29.7	44.7	57.9	59.3	66.9	70.6	59.8	48.0	29.5	13.1	42.6
1959	5.4	10.3	32.9	43.1	53.4	68.2	71.2	72.4	58.1	40.4	21.6	25.6	41.9
1960	9.9	11.7	17.9	42.0	55.8	62.8	72.1	70.6	60.4	47.0	30.1	12.7	41.1
1961	11.7	18.0	33.9	38.0	52.6	69.0	68.8	72.9	54.5	47.5	30.3	9.6	42.2
1962	7.4	9.2	23.0	41.8	53.7	63.5	66.4	69.8	55.2	48.9	34.5	18.5	40.1
Average	7.5	10.5	24.9	42.3	54.5	63.9	69.9	68.0	57.3	45.3	27.6	14.4	48.6

Total Precipitation (Inches)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1892	.29	.86	.86	4.24	3.01	7.34	1.25	2.40	.66	.14	.66	.16	21.87
1893	.50	.32	3.14	2.78	1.67	2.08	2.81	.93	1.16	.94	.25	1.41	17.99
1894	.34	.15	.81	2.48	.87	4.93	.50	1.76	.34	.99	.18	1.20	14.55
1895	.63	.45	T	1.23	1.52	3.92	1.44	1.28	.27	T	1.60	.30	12.64
1896	1.00	.90	1.20	6.20	2.58	2.04	2.49	1.55	3.08	1.33	3.50	.32	26.19
1897	1.10	2.00	.74	.62	1.03	7.29	4.56	.58	.00	.11	.20	.50	18.73
1898	.02	.05	.62	1.11	4.02	1.94	3.91	1.60	.74	1.50	.16	.01	15.68
1899	.11	T	.60	.85	2.12	2.10	.97	3.00	.06	.75	.50	.75	11.81
1900	.28	.40	.72	.41	3.46	1.65	2.74	8.84	5.31	1.42	.60	.50	26.33
1901	.03	.65	.72	.96	.13	9.71	4.95	2.80	2.27	2.11	.00	1.33	25.66
1902	.10	.80	2.58	.80	4.74	3.52	2.50	2.73	1.08	1.88	.20	.40	21.33
1903	1.16	.45	.83	1.33	2.24	.51	2.05	3.96	2.28	.90	.32	.86	16.89
1904	.78	1.10	1.26	1.85	1.22	7.09	2.23	.45	.90	1.21	.55	1.35	19.99
1905	.40	.25	.84	1.28	4.11	5.09	3.20	2.87	1.29	.70	1.93	.16	22.12
1906	.66	.10	.37	2.07	5.69	4.78	2.09	1.69	1.12	.42	1.02	1.50	21.51
1907	1.81	.50	1.32	.59	1.39	2.20	3.56	1.78	2.25	1.40	.20	.70	17.70
1908	.05	1.56	1.93	1.00	3.72	2.61	5.00	3.10	.37	1.61	1.59	.40	22.94
1909	.37	.45	.34	1.28	6.09	1.97	5.20	3.23	.83	.83	.60	1.44	22.63
1910	.40	.40	1.53	1.45	.15	1.72	.83	1.98	2.79	.04	.15	.38	11.82
1911	1.67	.80	.25	2.41	3.92	2.07	2.96	6.72	2.90	.86	.99	.72	26.27
1912	.65	.35	.65	2.74	6.36	4.32	3.93	3.64	2.61	.21	.15	1.15	26.76
1913	1.30	.20	2.10	1.40	1.45	3.13	4.04	2.78	2.08	2.24	.60	T	21.32
1914	.60	.80	1.37	2.92	1.53	5.70	2.57	2.29	1.23	2.00	.60	.96	22.57
1915	.50	.85	.40	1.57	3.90	4.45	1.66	.78	2.34	1.38	.50	.97	19.30
1916	1.33	.45	2.55	.95	2.33	2.58	2.63	3.11	1.37	.09	.15	.75	18.29
1917	.80	.49	.30	1.16	.10	1.30	1.30	1.31	.43	.80	.30	.45	8.74
1918	.35	.10	.53	2.81	2.36	3.31	2.79	9.30	.11	.65	1.68	1.55	25.54
1919	.55	1.05	.55	1.14	4.29	6.74	2.32	1.36	.85	.39	1.55	.90	21.69
1920	.70	.25	T	.80	2.11	3.57	3.20	1.56	3.74	T	.40	.50	16.83
1921	.35	.16	1.02	3.36	1.48	5.02	6.25	1.86	4.93	2.75	.60	.67	28.45
1922	.61	1.43	.95	.98	6.82	7.34	1.31	1.61	1.62	1.78	1.00	.32	25.77
1923	.96	.78	.33	.86	3.89	3.92	3.08	3.43	2.75	.77	.27	.47	21.51
1924	.04	.70	.18	4.93	.60	4.00	2.19	1.98	5.12	1.92	.03	.32	22.01
1925	.20	.58	.30	1.45	.92	6.03	1.71	.71	2.06	1.01	.17	.16	15.30
1926	.18	.82	.22	.18	2.68	.94	2.54	2.76	2.20	.95	.84	.52	14.83
1927	.62	.50	1.25	2.40	7.30	2.84	2.83	3.08	.62	2.00	1.34	1.01	25.79
1928	.21	.14	.36	.57	.33	4.62	3.84	2.16	1.56	.01	1.36	.27	15.43
1929	.51	.58	1.82	1.98	2.69	.95	1.94	.63	1.92	3.67	.52	1.00	18.21
1930	.27	1.63	.06	.44	3.68	2.72	.56	1.26	.46	2.07	.73	.25	14.13
1931	.09	.78	.99	2.38	2.54	2.30	2.91	2.23	1.33	2.44	1.42	.29	19.70
1932	.55	.51	.77	3.05	4.50	3.70	1.58	1.51	.72	1.98	.69	.13	19.69
1933	1.02	.19	.45	1.96	3.34	1.75	3.26	.68	.33	.66	1.51	.75	15.90
1934	.14	.19	.72	.42	.62	3.38	1.34	1.99	1.21	2.90	.87	.23	14.01
1935	.70	.35	1.50	4.07	2.48	2.18	4.08	3.86	.58	.15	.47	1.21	21.63
1936	.43	.57	.95	.31	.34	.33	.81	1.80	.34	.32	.25	.46	6.91
1937	1.29	.98	.68	3.74	1.92	2.84	2.45	1.45	.55	.66	.68	1.20	18.44
1938	.45	1.30	1.01	1.29	2.38	2.50	4.17	.60	.15	.29	.95	.43	15.52
1939	.57	1.34	.45	1.60	1.33	7.43	.75	1.45	1.01	1.18	T	.43	17.54
1940	.31	.63	1.55	1.49	1.45	3.49	2.99	2.41	.70	3.85	1.00	1.08	20.95
1941	.40	.20	.62	2.85	1.74	4.56	2.10	3.20	3.64	2.31	.77	.05	22.44
1942	.08	.25	1.79	3.46	4.05	2.78	2.03	3.37	2.22	.82	T	.47	21.32
1943	.37	1.38	1.70	1.14	1.91	5.33	2.32	3.03	.27	.40	.36	.20	18.41
1944	.21	.30	1.27	.55	2.31	1.61	1.93	5.50	.77	.02	2.65	T	17.12
1945	.39	.37	.54	1.34	.81	1.70	1.91	3.06	2.52	.25	.11	.76	13.76
1946	.18	.54	.72	.90	1.37	3.28	2.57	1.64	5.56	2.04	.05	.86	19.71
1947	.16	.89	.44	1.45	1.30	4.38	2.52	1.76	1.52	2.20	1.38	.24	18.24
1948	.27	.66	.69	1.24	.72	2.62	2.84	2.15	.69	1.56	.71	.08	14.23
1949	.94	.27	.86	.35	2.59	1.81	6.96	.43	.61	2.63	.36	.69	18.50
1950	.91	T	1.38	.96	5.18	3.23	2.22	1.55	2.00	.28	.12	.51	18.34
1951	.54	.65	.31	1.27	1.89	3.13	2.41	3.77	.74	1.03	.08	.87	16.69
1952	.58	.77	.72	.10	.46	1.99	3.13	.66	.99	.11	.85	.44	10.80
1953	.17	.49	.65	3.09	4.86	7.80	1.91	1.52	.42	.57	.40	.47	22.35
1954	.51	.05	.76	1.34	1.57	5.58	2.98	2.72	2.79	.34	.19	.09	18.92
1955	.12	.34	.42	.56	3.17	3.32	6.15	.84	1.40	.21	.55	.08	17.16
1956	.64	.23	.98	.24	3.99	6.86	3.80	2.12	.31	1.44	1.77	.13	22.51
1957	.25	.13	T	1.16	2.17	2.70	3.54	3.69	2.34	2.90	.58	.43	19.89
1958	.22	1.57	.15	1.29	1.82	5.09	1.91	1.08	.92	.44	.41	T	14.90
1959	.03	.46	.09	.15	4.28	5.39	2.68	2.68	1.59	1.58	.66	.07	19.66
1960	.58	.51	.17	1.94	3.30	1.89	2.97	3.59	.12	.72	.35	.87	17.01
1961	T	.14	.62	2.13	.92	.64	3.58	1.32	4.56	.68	T	.72	15.31
1962	.34	.24	.67	.44	5.13	2.21	11.98	4.93	2.73	.21	.70	.05	29.63
Average	.51	.58	.85	1.63	2.60	3.60	2.88	2.41	1.60	1.14	.69	.58	19.07

PROBABILITY OF FREEZE OCCURRENCE IN SPRING

Dates on which chance of last occurrence of indicated temperature (or lower) decreases to

Temp. (°F)	90%	75%	50%	25%	10%
32	May 3	May 10	May 17	May 24	May 31
28	Apr. 20	Apr. 27	May 4	May 11	May 18
24	Apr. 12	Apr. 20	Apr. 28	May 6	May 14
20	Apr. 1	Apr. 9	Apr. 17	Apr. 26	May 3
16	Mar. 21	May. 29	Apr. 7	Apr. 16	Apr. 24

PROBABILITY OF FREEZE OCCURRENCE IN FALL

Dates on which chance of first occurrence of indicated temperature (or lower) increases to

Temp. (°F)	10%	25%	50%	75%	90%
32	Sep. 7	Sep. 13	Sep. 19	Sep. 25	Oct. 1
28	Sep. 16	Sep. 22	Sep. 29	Oct. 6	Oct. 12
24	Sep. 26	Oct. 4	Oct. 12	Oct. 20	Oct. 28
20	Oct. 4	Oct. 12	Oct. 21	Oct. 30	Nov. 7
16	Oct. 14	Oct. 22	Oct. 31	Nov. 9	Nov. 17

Maximum Temperature (°F)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1892	54	54	59	69	78	80	98			76			
1893		32	45	59	86	97	106	100	92	67	67	39	106
1894	42	52	59	74	86	96	98	96	94	75	58	52	98
1895	33	59	60	78	81		87	93	92	84	58	41	93
1896	48	56	58	78	84	89	94	92	89	74	35	44	94
1897	40	38		73	84	92	90	82	94	88	72	45	94
1898	41	65	66	80	86	95	98	94	93			52	98
1899	30	48	54	75	79	90	101	92					101
1900	54	38	58	90	96	101	103	99	93	78	63	44	103
1901	40	42	54	82	91	87	102	94	89	83	57	55	102
1902	44	42	58	75	84	91	97	90	87	80	69	49	97
1903	42	38	48	77	90	90	102	98	83	81	73	57	102
1904	33	45	51	78	85	96	89	97	96	80	77	50	97
1905	33	60		75	84	85	99	101	96	93	70	42	101
1906	47				99	94		97	100	86	61	40	100
1907	31	47	80	80	82	90	94	100	85	82	56	50	100
1908	56	47	52	90	78	86	102	92	92	82	72	41	102
1909	43	38	47	66	86	93	96	90	88	88	67	40	96
1910	39	37	85	90	80	92	104	89	76	75	54	44	104
1911	32	38	65	77	80	89	90	86	84	77	54	46	90
1912	33	42	55	79	85	96	90	90	95	84	60	52	96
1913	39	35	50	86	93	96	98	99	92	78	63	50	99
1914	48	46	59	75	91	88	100	98	94	89	70	40	100
1915	37	39	49	87	86	89	92	95	91	85	69	40	95
1916	32	48	54	70	85	82	98	97	90	75	68	60	98
1917	39	42	66	61	91	96	112	100	91	80	63	45	112
1918	40	49	71	71	90	98	100	100	80	88	62	59	100
1919	42	42	47	75	91	90	96	94	92	74	45	41	96
1920	37	38	63	59	82	89	92	98	90	85	61	44	98
1921	49	55	69	82	87	98	97	100	94	82	65	55	100
1922	43	29	55	77	80	95	91	100	99	76	54	42	100
1923	40	38	46	89	91	94	94	87	88	73	62	55	94
1924	53	60	51	77	79	85	92	99	91	76	63	41	99
1925	42	53	72	81	96	88	98	105	100	58	60	46	105
1926	50	47	68	89	96	100	96	94	86	64	57	38	100
1927	42	40	64	72	80	93	91	93	94	82	54	38	94
1928	44	47	65	80	93	84	90	97	88	80	62	52	97
1929	34	32	67	75	89	94	104	103	98	82	46	42	104
1930	28	48	54	80	91	90	100	100	91	74	66	39	100
1931	50	55	48	82	92	103	109	101	107	84	70	40	109
1932	38	58	53	76	92	87	101	96	90	82	62	42	101
1933	44	50	65	76	93	107	103	97	95	79	64	54	107
1934	47	47	63	92	107	90	106	101	89	86	68	44	107
1935	41	48	61	70	78	89	99	101	91	82	40	39	101
1936	27	21	54	80	95	107	118	101	98	88	58	52	118
1937	34	33	49	65	94	98	102	104	90	81	65	37	104
1938	36	44	64	84	79	97	98	98	95	90	61	44	98
1939	37	41	79	84	101	89	103	98	94	74	72	67	103
1940	41	45	48	75	90	92	107	93	98	78	54	47	107
1941	47	38	58	78	95	95	104	100	94	72	56	61	104
1942	51	40	62	82	83	81	90	95	89	84	63	38	95
1943	39	43	64	80	84	94	97	96	88	84	56	48	97
1944	51	35	46	65	89	92	98	100	85	78	66	42	100
1945	38	44	73	72	79	93	97	100	99	83	63	45	100
1946	36	42	80	81	85	91	97	101	85	76	60	45	101
1947	48	42	58	82	80	84	96	107	101	84	52	39	107
1948	38	38	45	79	95	95	104	99	100	81	50	50	104
1949	44	44	44	83	88		104	103	94	85	69	46	
1950	25	36	50	68	85	101	93	92	92	79	67	43	101
1951	38	37	45	82	87	86	96	99	84	81	50	44	99
1952	43	40	45	95	95	97	100	102	99	73	67	36	102
1953	45	44	58	79	84	95	94	101	89	91	69	45	101
1954	38	55	54	79	86	93	98	93	85	76	68	49	98
1955	36	40	67	81	95	89	99	101	93	90	69	38	101
1956	43	37	48	72	87	95	88	96	96	85	59	50	96
1957	36	40	58	84	82	90	102	95	85	82	55	50	102
1958	44	63	57	81	90	94	95	107	93	90	71	46	107
1959	43	39	64	76	91	100	102	104	100	78	46	45	104
1960	41	37	52	71	92	88	100	98	97	87	70	41	100
1961	42	47	65	78	83	105	96	96	87	83	66	51	105
1962	43	41	57	89	82	86	84	92	85	79	59	57	92

Minimum Temperature (°F)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1892	-40	-29	-11	12	26	31	48			18			
1893	-35	-40	-20	9	32	43	50	40	24	13	-18	-23	-40
1894	-30	-19	-9	20	34	37	50	46	29	25	-9	-17	-30
1895	-30	-32	-17	23	31		52	46	20	-6	-12	-14	-32
1896	-24	-16	-18	18	40	45	49	40	29	18	-20	-20	-24
1897	-26	-24	-28	15	28	34	48	42	30	20	-13	-23	-28
1898	-11	-25	-10	13	25	42	38	35	25			-22	
1899	-33	-36	-23	-8	23	38	38						
1900	-24	-30	-11	25	23	35	39	36	27	21	-14	-29	-30
1901	-24	-25	-15	16	30	30	51	38	22	23	-1	-31	-31
1902	-28	-25	-16	13	30	33	42	33	22	21	9	-24	-28
1903	-24	-36	-8	16	20	29	38	38	27	20	-7	-26	-36
1904	-32	-34	-11	15	32	35	42	40	23	22	0	-30	-38
1905	-32	-39		21	28	42	43	43	35	11	-27	-19	-39
1906	-25							40	33	14	-11	-26	
1907	-33	-38	-12	14	11	32	41	29	17	11	1	-8	-38
1908	-26	-23	-8	0	16	31	38	32	21	14	-2	-21	-26
1909	-34	-23	-13	12	8	36	42	34	29	5	5	-32	-34
1910	-31	-31	9	4	20	27	40	40	30	16	1	-14	-31
1911	-32	-17	0	10	18	39	40	36	31	12	-13	-21	-32
1912	-39	-23	-14	13	29	35	36	39	23	14	10	-18	-39
1913	-36	-37	-27	21	29	34	44	44	26	11	4	-10	-37
1914	-15	-34	-12	16	26	37	40	36	35	22	-10	-24	-34
1915	-35	-5	-5	12	26	31	40	36	34	20	4	-10	-35
1916	-40	-28	-20	13	22	37	37	39	25	6	-9	-40	-40
1917	-35	-39	-26	11	24	33	37	35	27	3	2	-37	-37
1918	-41	-32	-4	13	20	36	39	43	19	17	-2	-21	-41
1919	-32	-23	-23	20	30	37	46	40	29	-8	-16	-26	-32
1920	-28	-20	-16	2	30	37	48	39	24	10	2	-21	-29
1921	-14	-15	-11	18	26	35	47	40	38	26	-14	-26	-26
1922	-33	-27	-9	12	36	46	43	40	33	17	14	-19	-33
1923	-12	-24	-22	8	25	40	42	37	29	13	12	-17	-24
1924	-28	-10	8	15	25	39	38	31	20	19	-2	-32	-32
1925	-23	-25	-16	22	24	42	43	41	29	-3	-5	-15	-25
1926	-23	-5	-14	6	15	36	44	41	18	10	-5	-25	-25
1927	-23	-20	5	17	30	35	40	35	19	18	-9	-30	-30
1928	-30	-13	-3	5	28	34	45	35	23	8	5	-18	-30
1929	-32	-36	-2	15	20	34	44	36	15	22	-10	-25	-36
1930	-30	-12	-5	18	25	34	38	41	17	7	-11	-13	-30
1931	-16	-14	-4	10	22	42	45	34	29	25	0	-12	-16
1932	-25	-20	-19	14	28	49	45	38	28	20	-10	-20	-25
1933	-21	-38	-8	9	30	37	47	39	25	13	1	-27	-38
1934	-20	-23	-7	17	29	39	42	33	24	21	6	-26	-26
1935	-33	-8	-11	14	29	32	53	32	20	9	-14	-25	-33
1936	-36	-42	-11	-2	31	33	51	44	24	0	-4	-24	-42
1937	-35	-30	-6	8	30	36	47	48	28	13	-9	-20	-35
1938	-26	-20	-2	13	29	36	50	42	28	18	-10	-28	-28
1939	-19	-37	-11	0	27	41	49	42	23	2	9	-12	-37
1940	-26	-16	-2	8	28	40	45	41	27	28	-12	-17	-26
1941	-19	-25	-8	19	29	37	43	41	30	14	4	-7	-25
1942	-26	-22	11	-1	27	39	43	43	19	10	-3	-19	-26
1943	-32	-22	-14	17	21	37	52	41	27	19	9	-13	-32
1944	-11	-30	-15	10	20	39	43	39	34	18	-3	-10	-30
1945	-21	-21	-17	19	18	33	35	37	19	11	-5	-32	-32
1946	-25	-29	-1	19	12	30	45	38	32	17	-6	-22	-29
1947	-25	-21	-1	17	23	38	41	44	22	24	-7	-19	-25
1948	-30	-23	-29	9	33	42	49	46	34	12	6	-15	-30
1949	-25	-26	-6	20	29		44	41	26	17	9	-22	-26
1950	-33	-17	-21	8	26	35	45	38	36	24	-12	-25	-33
1951	-34	-24	-19	20	30	38	42	40	24	8	-13	-25	-34
1952	-26	-14	-20	20	26	35	43	40	31	12	-3	-3	-26
1953	-16	-13	-6	10	25	35	48	49	30	22	13	-9	-16
1954	-30	-5	-10	-3	24	35	45	45	29	18	2	-3	-30
1955	-17	-28	-13	26	22	43	48	42	29	11	-19	-27	-28
1956	-19	-32	-16	15	27	42	51	40	26	19	-1	-16	-32
1957	-29	-16	-3	6	29	40	51	42	28	14	3	-21	-29
1958	-14	-25	9	16	22	38	44	38	30	25	-15	-17	-25
1959	-24	-27	2	17	26	43	46	46	28	19	-11	4	-27
1960	-19	-17	-17	15	27	42	46	43	23	15	-6	-30	-30
1961	-30	-10	14	12	21	40	42	42	25	22	4	-18	-30
1962	-28	-29	-22	14	31	39	47	43	29	14	15	-13	-29

STATION HISTORY

A Climatological Substation was established at the Jamestown State Hospital, 1.6 miles southeast of the post office, in January, 1892. Instruments, located over bare ground, include maximum and minimum thermometers, and a standard eight inch rain gage. Data included in this summary were compiled from the records of the station at the State Hospital except for snowfall data which are based on records of the Federal Aviation Agency at the Jamestown Airport.

Observers at the Jamestown State Hospital have been:

J. B. Fried..... January, 1892 to August, 1892
T. F. Branch..... January, 1893 to December, 1899
D. S. Moore..... January, 1900 to December, 1900
Thomas Pettigrew..... January, 1901 to December, 1915
S. G. Calvelage..... January, 1916 to July, 1942
C. T. Stephenson..... August, 1942 to June, 1957
John Alveshere..... July, 1957 to Present.