

Average Temperature (°F)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1931	27.0	32.7	32.6	48.4	56.0	74.0	76.0	71.4	67.9	52.4	36.4	26.1	50.1
1932	14.4	20.2	23.0	47.1	57.0	69.8	74.4	71.2	60.9	47.6	29.8	15.8	44.4
1933	22.8	15.0	22.2	45.5	57.1	77.4	76.6	70.1	66.8	57.0	33.0	18.4	47.0
1934	21.4	22.2	30.6	46.8	60.3	71.6	75.8	70.2	56.8	53.7	37.0	17.1	47.8
1935	12.0	27.9	35.8	42.0	52.2	63.8	78.8	72.0	62.9	46.6	28.6	18.6	44.9
1936	0.1	-5.4	30.6	41.0	62.8	68.2	82.0	75.4	65.2	46.0	29.3	20.6	43.0
1937	0.9	13.2	28.2	42.2	60.0	65.4	75.6	77.8	62.8	46.5	30.1	14.8	43.1
1938	11.4	16.6	35.4	47.4	55.4	68.0	74.6	75.6	65.0	47.8	29.9	22.1	46.6
1939	20.6	9.1	31.2	45.0	64.8	69.1	77.4	72.2	67.2	50.0	34.0	30.0	47.6
1940	4.6	17.6	26.2	43.3	56.8	67.7	75.6	70.0	66.2	55.3	26.4	22.8	44.4
1941	16.0	15.2	30.6	49.3	62.6	67.0	73.7	74.0	63.4	49.6	35.2	26.9	47.0
1942	20.4	21.2	34.7	51.2	57.0	65.2	70.6	70.1	56.2	48.1	33.3	15.0	45.0
1943	5.8	22.2	25.5	47.2	54.2	67.6	73.2	71.2	49.2	49.2	30.8	24.3	44.1
1944	27.2	19.8	24.5	41.4	61.1	67.9	70.2	69.2	60.7	50.0	34.0	20.9	45.6
1945	16.6	22.2	39.2	43.0	52.2	60.6	70.2	70.7	58.5	49.2	30.4	10.6	43.6
1946	15.6	18.8	40.2	51.9	53.8	67.4	71.9	67.2	59.7	48.4	30.6	20.4	45.5
1947	22.7	14.2	28.1	41.6	52.8	63.7	71.2	77.0	63.6	57.4	26.4	16.6	44.6
1948	11.7	14.0	29.2	51.4	56.5	64.8	64.8	71.3	64.7	49.4	33.3	19.6	44.6
1949	10.9	17.6	30.4	47.5	61.1	69.3	75.1	73.4	57.9	50.1	39.9	20.2	44.9
1950	4.8	19.2	25.4	36.9	53.6	67.2	67.4	63.5	62.3	53.3	29.4	16.3	41.8
1951	10.8	23.7	21.3	40.6	58.6	61.5	68.6	67.1	55.2	46.4	27.5	13.1	41.0
1952	11.3	21.8	23.2	47.0	56.6	69.5	71.3	68.2	61.6	43.3	31.0	13.9	43.7
1953	13.9	18.7	29.6	39.0	55.9	67.9	70.7	70.7	59.7	53.5	35.7	18.2	44.4
1954	7.7	32.0	25.9	46.4	51.1	66.5	73.3	68.6	54.7	44.7	37.6	14.6	45.6
1955	15.6	11.4	27.7	53.0	60.9	63.2	76.7	73.5	60.9	49.0	22.8	9.8	43.7
1956	10.4	10.1	28.2	39.9	57.8	71.9	67.9	67.8	58.2	55.0	30.7	23.6	43.3
1957	6.9	19.0	26.9	43.2	57.8	62.9	75.8	69.0	56.9	47.0	26.4	26.4	43.6
1958	21.4	15.5	29.2	45.2	60.6	61.8	68.1	71.4	61.8	51.3	33.0	14.8	44.5
1959	9.1	11.7	34.3	45.6	57.8	69.4	74.7	74.7	60.5	42.4	23.2	26.6	43.9
1960	12.0	13.9	15.0	45.6	55.8	63.0	70.9	69.5	60.3	49.1	34.0	17.3	42.2

TABLE OF FREEZE TEMPERATURE DATA

The following freeze temperature data are based on temperatures observed during the period of 1893 through 1960 at Brookings, South Dakota:

Temperature (°F)	NUMBER OF YEARS IN 25 THAT TEMPERATURE IS LIKELY TO OCCUR						NUMBER OF YEARS IN 25 THAT TEMPERATURE IS LIKELY TO OCCUR						
	Apr.	Apr.	May	May	May	June	Apr.	Apr.	May	May	May	June	
32°	10	20	1	10	10	1	3	10	10	1	10	20	1
28°	24	23	15	8	3	*	*	4	15	19	24	25	25
24°	22	16	8	3	*	*	2	8	11	18	22	22	22

*Less than one year in 25

Total Precipitation (Inches)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1931	0.03	0.04	0.30	1.33	0.68	2.42	1.62	3.24	2.00	1.11	1.89	1.07	15.73
1932	0.54	0.13	0.27	1.34	2.23	3.07	2.34	4.07	2.07	0.81	0.32	0.24	17.43
1933	0.07	0.18	1.08	0.98	1.44	0.67	1.42	2.10	3.82	0.09	0.50	0.50	12.40
1934	0.21	0.05	0.14	1.19	4.77	3.52	1.46	4.38	1.26	0.38	0.08	0.18	17.71
1935	0.32	0.16	1.47	3.47	2.11	2.75	1.66	4.19	0.04	0.23	0.43	0.62	17.45
1936	0.53	1.16	0.76	1.54	3.49	3.13	0.20	3.86	1.34	0.04	0.30	0.57	16.92
1937	0.25	0.26	2.03	3.19	1.70	2.39	1.16	2.88	0.55	1.11	0.31	0.76	16.19
1938	0.44	0.58	1.10	1.02	4.15	3.47	2.02	4.68	1.93	1.10	1.65	0.26	17.20
1939	0.82	1.13	0.99	1.41	2.72	3.96	2.31	2.48	0.94	1.22	T	0.16	17.24
1940	0.02	0.48	2.50	1.21	0.31	5.61	1.16	4.43	0.53	1.10	0.87	0.50	18.72
1941	0.71	0.32	0.29	5.48	1.29	3.69	0.48	0.64	2.53	3.58	0.14	0.36	19.51
1942	0.02	0.10	2.36	1.69	1.70	4.88	3.02	0.78	2.96	0.42	0.14	0.17	24.32
1943	0.76	0.61	1.07	0.57	1.99	6.02	3.70	6.10	1.43	3.15	0.89	T	26.29
1944	1.05	0.72	0.66	2.04	6.46	4.34	3.32	6.81	1.36	0.40	1.47	0.02	28.65
1945	0.34	0.89	0.81	1.48	3.19	5.64	2.49	2.06	2.21	0.45	0.75	1.31	21.62
1946	0.08	0.62	2.32	0.81	2.22	7.09	2.13	0.52	7.30	4.53	0.97	0.25	28.84
1947	0.40	0.15	0.86	3.39	1.22	4.80	0.73	1.12	3.27	1.72	2.40	0.33	20.39
1948	0.01	1.18	0.21	1.79	2.06	4.72	3.43	1.07	0.63	1.55	0.56	0.02	18.57
1949	0.51	0.72	1.43	0.41	2.28	2.82	2.04	2.07	2.90	1.69	1.02	0.71	16.88
1950	0.28	0.12	1.47	1.63	4.99	1.42	3.13	0.98	3.97	2.71	0.46	0.31	21.47
1951	0.25	0.59	1.79	1.46	3.35	4.96	2.27	8.29	1.68	1.31	0.28	1.37	27.60
1952	1.44	0.62	0.62	1.37	1.91	4.46	2.21	3.25	0.00	0.07	0.16	0.36	17.05
1953	0.06	1.40	1.14	3.51	3.58	6.40	3.24	3.85	0.28	0.79	1.16	0.93	26.74
1954	0.46	0.60	1.63	3.21	2.66	3.28	0.57	4.06	0.35	1.51	0.10	0.45	17.20
1955	0.16	0.33	0.14	2.88	0.95	3.02	1.53	4.47	0.79	0.12	0.18	0.79	15.38
1956	0.27	0.17	0.70	1.22	2.74	4.06	5.20	3.65	0.58	1.79	0.95	0.24	21.57
1957	T	0.44	1.85	1.33	9.28	2.48	2.27	3.45	2.28	1.55	0.94	0.62	28.38
1958	T	0.88	0.51	1.24	1.14	3.75	1.55	1.47	1.35	0.64	2.34	0.24	16.17
1959	0.24	0.67	0.11	5.41	4.67	1.50	2.02	4.11	2.35	2.62	1.10	0.71	21.04
1960	0.53	0.08	1.07	3.28	4.67	4.95	0.49	6.28	3.77	0.65	0.85	0.92	27.54

STATION HISTORY

Official weather observations were begun at Brookings in July 1888. The original station was established on the Experimental Farm of South Dakota State College and has continued to be located there up to the present time. From July 1888 to May 1952 the station set one mile north-northeast of the post office in Brookings. Due to the expansion of the college campus and the need for better instrumental exposure, the equipment was moved in 1952 to one mile east of the previous location, and it has remained at this site. The observations at Brookings have included daily temperature, extremes and precipitation amounts throughout the history of the station. A recording rain gauge was added to the station in April 1940 and, with this instrument, the intensity of precipitation has been measured for different time intervals during the course of a storm.

Numerous employees of the State College Experimental Farm have taken charge of the weather observations during the history of the station. The present weather observer at Brookings is Mr. Edwin Mitrook who began his duties in November 1950. According to available records, the earliest known observer was W. H. Knox, who started his tour of duty in April 1897.