

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, Chief

MONTHLY AND ANNUAL
METEOROLOGICAL SUMMARY
WITH COMPARATIVE DATA

NORTH PLATTE, NEBRASKA

A. W. SHILLING
Observer.

For the Year Ending December 31, 1923

PRINTED AT
WEATHER BUREAU OFFICE
LINCOLN, NEBR.

COMPARATIVE DATA.

MONTHLY AND ANNUAL MEAN MAXIMUM TEMPERATURES

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1874.										67.0	48.2	41.0
1875.	18.6	32.0	45.3	53.0	72.2	80.4	82.4	81.6	76.1	67.5	43.8	47.4	58.4
1876.	38.3	48.5	40.9	62.7	69.7	81.0	89.0	85.0	73.4	63.6	47.6	35.0	61.2
1877.	31.3	46.2	46.4	57.3	68.3	78.6	89.8	87.3	79.7	57.9	46.4	44.5	61.1
1878.	37.5	49.1	58.9	65.3	66.2	78.2	88.7	89.9	76.6	64.7	51.8	34.9	63.5
1879.	38.7	32.9	56.9	65.5	73.9	83.6	85.9	86.8	76.4	72.2	51.6	28.3	62.7
1880.	44.2	46.4	50.3	65.7	78.4	83.9	86.8	86.4	76.1	62.5	37.2	31.2	62.4
1881.	26.7	33.2	48.0	61.4	74.6	84.6	87.4	93.1	77.6	61.8	47.3	46.7	61.9
1882.	37.6	49.2	55.6	60.0	63.4	77.6	80.8	84.6	77.8	65.0	49.6	38.5	61.6
1883.	27.1	29.5	51.0	60.7	65.4	78.2	84.9	80.8	72.3	53.5	52.3	41.2	58.1
1884.	32.7	31.6	45.0	54.9	69.1	82.5	84.9	79.0	77.2	67.9	51.6	25.3	58.5
1885.	23.5	29.9	49.4	63.0	66.7	78.0	83.8	78.3	74.2	63.1	50.8	44.3	58.8
1886.	26.1	45.4	42.3	59.5	77.1	79.0	89.4	86.8	74.6	66.7	42.6	33.7	60.3
1887.	31.1	32.1	53.8	64.0	77.0	81.9	87.7	82.4	75.4	61.5	52.3	34.2	61.1
1888.	26.5	44.7	40.4	67.9	65.2	81.6	88.4	82.4	79.4	63.3	49.2	44.9	61.2
1889.	32.4	37.6	54.5	62.1	69.1	79.0	83.9	84.1	74.3	62.5	46.7	51.0	61.4
1890.	30.5	39.1	40.5	62.4	71.3	82.3	91.1	85.3	79.7	66.8	54.5	50.2	63.6
1891.	39.2	31.5	38.9	64.2	71.4	73.8	80.6	82.7	78.8	67.8	49.2	42.4	60.0
1892.	28.8	36.4	44.6	56.5	62.0	78.6	86.0	85.8	80.2	66.8	51.5	33.6	59.2
1893.	39.1	37.0	44.5	68.0	68.8	82.3	86.0	81.0	79.3	65.5	50.0	41.7	61.1
1894.	22.5	34.4	58.9	64.2	75.2	83.5	87.5	88.7	79.1	68.5	52.9	46.1	63.9
1895.	32.3	32.5	50.3	67.6	71.3	76.1	81.0	84.1	82.3	63.9	47.7	42.0	61.0
1896.	43.9	50.5	42.2	63.9	73.9	82.2	84.4	84.9	72.7	64.4	38.4	49.3	62.6
1897.	35.4	40.0	46.6	58.7	73.8	77.9	88.4	83.0	84.4	66.6	48.8	34.8	61.5
1898.	38.5	45.3	45.4	62.1	65.2	79.2	84.7	87.6	76.7	60.6	44.7	39.6	61.0
1899.	29.8	25.1	40.1	63.3	69.7	81.0	89.9	85.1	79.8	66.5	57.7	39.6	61.0
1900.	43.4	35.8	50.2	60.2	75.2	85.0	86.1	89.5	77.6	71.6	50.4	48.2	64.4
1901.	42.4	33.1	48.8	58.3	75.1	82.4	95.0	87.1	73.7	67.9	55.8	39.0	63.0
1902.	37.8	36.8	51.5	62.4	73.2	78.5	84.1	83.5	73.7	67.5	51.1	31.0	60.8
1903.	39.7	29.2	46.9	62.5	68.7	75.3	84.0	83.5	76.4	69.5	51.7	46.5	61.2
1904.	39.4	44.3	56.6	61.5	71.6	77.6	84.0	85.2	79.4	69.4	60.8	43.5	64.4
1905.	30.1	27.3	54.8	57.4	64.8	79.1	82.0	87.7	79.4	61.1	55.3	46.7	60.5
1906.	47.8	45.0	35.5	65.8	72.7	79.6	83.7	84.8	77.5	60.4	47.1	45.6	62.1
1907.	29.6	44.7	58.8	58.4	66.4	80.1	84.9	85.8	76.5	70.0	52.2	43.1	62.5
1908.	46.2	41.8	55.2	66.2	68.3	78.2	84.1	83.2	84.5	64.4	53.5	41.5	63.9
1909.	38.2	42.1	47.5	57.5	70.6	80.4	86.2	90.0	78.5	67.4	51.4	24.8	63.2
1910.	32.7	40.6	69.8	68.6	66.9	81.5	89.6	83.2	78.2	74.2	52.8	42.2	65.0
1911.	42.3	43.4	60.7	59.9	72.5	89.3	86.1	82.5	80.0	58.4	46.2	34.8	63.0
1912.	24.3	38.0	33.3	62.0	73.5	77.6	86.5	83.7	70.3	66.6	57.1	42.9	59.6
1913.	36.7	33.8	46.3	65.2	73.0	82.3	88.3	93.0	76.6	61.8	57.3	38.9	62.8
1914.	46.0	36.2	51.0	63.6	71.7	84.9	89.5	88.4	79.6	68.2	60.7	28.5	64.0
1915.	31.5	38.1	34.1	66.8	66.6	74.0	80.6	79.5	73.9	70.6	55.0	40.4	59.3
1916.	25.9	41.2	58.4	60.6	71.8	77.1	93.6	86.8	78.0	63.8	49.1	32.7	61.6
1917.	36.2	40.1	44.7	56.7	63.6	81.5	91.4	83.4	76.1	60.1	59.8	36.6	60.8
1918.	26.4	43.6	61.7	52.9	75.6	87.4	86.8	87.5	73.3	68.1	49.6	39.0	62.7
1919.	40.8	33.8	48.3	58.4	71.0	81.0	89.8	86.7	80.4	57.4	28.4	29.6	59.6
1920.	39.5	40.2	52.3	50.8	67.8	79.6	88.5	82.2	79.9	70.0	46.4	38.3	61.4
1921.	41.0	46.5	57.7	63.3	73.2	84.0	89.5	85.8	79.9	72.7	51.5	43.5	65.7
1922.	35.3	38.0	53.5	59.6	72.4	86.4	85.2	91.2	83.6	71.4	50.4	40.6	64.0
1923.	46.3	41.2	48.5	61.2	68.5	79.5	86.8	81.7	77.1	56.9	56.3	42.5	62.2
Av.	35.3	38.7	49.5	61.3	70.4	80.5	86.4	85.2	77.5	65.4	50.5	39.6	61.7

TEMPERATURE EXTREMES

Month	Maximum	Year	Day	Minimum	Year	Day	Highest monthly mean	Year	Lowest monthly mean	Year
January	70	1880	18	-35	1888	15	34.0	1914	6.4	1875
February	74	1896	26	-35	1899	12	36.6	1878†	13.1	1899
March	86	1910	22	-21	1880	14	51.0	1910	23.2	1912
April	95	1910	28	32	1875	8	55.0	1915	41.5	1875
May	97	1895	27	19	1909	1	64.6	1875‡	52.1	1892
June	104	1911	29	33	1876	8	74.1	1888	62.7	1882
July	107	1877	5	41	1915	4	81.0	1901	69.4	1915
August	105	1914	16	36	1910	25	79.8	1881	67.2	1888
September	101*	1881	4	21	1876	30	70.8	1897	58.1	1912
October	94	1899	1	4	1913	29	56.4	1879	45.1	1917
November	83	1915	5	-25	1887	27	45.5	1917	24.6	1880
December	72	1904	30	-30	1901	14	37.2	1889	14.8	1879

* Also Sept. 17, 1893. † Also 1896. ‡ Also 1886.

COMPARATIVE DATA.

Monthly and annual Station Barometric Pressures.

26.000 INCHES.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1875.	1.139	1.070	1.001	1.059	0.972	1.010	1.106	1.061	1.152	1.087	1.046	0.968	1.056
1876.	1.066	1.016	.992	.988	.972	1.017	1.042	1.041	1.098	1.032	1.093	1.105	1.039
1877.	1.102	1.193	1.005	.960	.912	.992	1.037	1.076	1.016	1.083	1.094	1.110	1.048
1878.	1.052	.970	.975	.853	.938	1.050	1.065	1.072	1.079	1.062	1.120	1.169	1.088
1879.	1.111	1.076	1.088	1.001	.982	.953	1.035	1.036	1.139	1.109	1.082	1.030	1.056
1880.	.993	1.010	1.027	.979	.950	.980	1.082	1.070	1.110	1.125	1.168	1.104	1.050
1881.	1.101	1.053	1.013	1.049	1.050	.960	1.095	1.033	.994	1.076	1.099	1.115	1.051
1882.	1.036	1.030	1.043	.981	1.012	.990	1.115	1.125	1.088	.981	1.176	1.092	1.056
1883.	1.085	1.213	1.087	.899	.962	1.036	1.073	1.141	1.155	1.074	1.056	1.101	1.074
1884.	1.152	1.031	.947	.990	1.039	1.057	1.032	1.105	.935	1.106	1.147	1.072	1.055
1885.	1.096	1.023	1.140	.983	1.018	1.070	1.073	1.101	1.058	1.103	1.009	1.081	1.063
1886.	1.092	1.057	1.007	.985	1.042	1.066	1.068	1.061	1.058	1.112	1.082	1.116	1.062
1887.	.962	1.062	1.112	.949	1.019	1.010	1.083	1.045	1.124	1.135	1.115	1.045	1.055
1888.	1.159	1.028	1.053	1.102	.950	.921	1.108	1.123	1.156	1.047	1.133	1.083	1.072
1889.	1.075	1.133	1.099	1.082	1.017	1.056	1.064	1.100	1.083	1.164	1.168	1.031	1.089
1890.	1.122	1.065	1.060	1.097	.994	1.005	1.065	1.113	1.125	1.061	1.199	1.145	1.088
1891.	1.118	.969	1.023	1.037	1.104	.984	1.126	1.112	1.109	1.169	1.080	.990	1.068
1892.	1.150	1.092	1.063	.950	1.027	1.002	1.115	1.102	1.118	1.166	1.065	1.084	1.075
1893.	1.040	1.065	1.011	.956	.994	1.012	1.067	1.102	1.022	1.058	1.056	1.082	1.039
1894.	1.036	1.103	.931	.954	1.034	1.004	1.135	1.134	1.044	1.005	1.154	1.134	1.063
1895.	1.020	1.180	1.031	1.001	1.002	1.098	1.105	1.072	1.031	1.168	1.078	1.044	1.069
1896.	1.099	1.033	1.046	.935	.946	1.084	1.121	1.118	1.120	1.095	1.098	1.145	1.070
1897.	1.124	.995	.955	1.075	1.100	.997	1.041	1.136	1.147	1.092	1.102	1.119	1.074
1898.	1.051	1.110	1.019	1.096	1.015	1.040	1.081	1.054	1.059	1.094	1.019	1.146	1.065
1899.	1.020	1.055	.991	1.008	.964	1.030	1.104	1.002	1.138	1.060	1.101	1.132	1.050
1900.	1.138	1.054	1.104	1.014	1.045	1.037	1.025	1.016	1.089	1.050	1.161	1.122	1.071
1901.	1.092	1.143	.967	1.090	1.022	.950	1.033	1.134	1.049	1.163	1.176	1.090	1.076
1902.	1.190	1.033	.941	1.034	.980	1.006	1.061	1.079	1.071	1.093	1.037	1.092	1.052
1903.	1.032	1.147	1.111	1.000	1.002	1.124	1.077	1.088	1.071	1.157	1.151	1.138	1.092
1904.	1.078	1.090	.965	1.100	1.033	1.084	1.093	1.154	1.150	1.138	1.186	1.078	1.096
1905.	1.278	1.222	1.023	1.030	.992	1.017	1.099	1.086	1.071	1.140	1.074	1.136	1.098
1906.	1.074	1.149	1.151	1.036	.987	1.006	1.153	1.084	1.131	1.107	1.141	1.140	1.079
1907.	1.114	1.159	1.033	1.072	1.014	.990	1.077	1.086	1.095	1.179	1.188	1.050	1.088
1908.	1.116	1.091	1.064	1.025	.930	1.008	1.165	1.110	1.109	1.084	1.140	1.125	1.081
1909.	1.096	.985	1.043	1.010	.936	1.079	1.081	1.103	1.159	1.122	1.107	1.098	1.068
1910.	1.128	1.126	1.098	1.042	1.115	1.065	1.077	1.115	1.133	1.106	1.108	1.137	1.104
1911.	1.106	1.169	1.103	1.053	1.028	1.030	1.121	1.120	1.093	1.146	1.100	1.088	1.096
1912.	1.100	1.099	1.129	.978	.930	1.138	1.105	1.054	1.119	1.107	1.154	1.076	1.087
1913.	1.058	1.104	1.040	1.060	1.052	1.070	1.104	1.112	1.143	1.118	1.112	1.187	1.097
1914.	1.012	1.155	1.151	1.070	1.136	1.030	1.141	1.093	1.125	1.130	1.162	1.184	1.116
1915.	1.038	1.063	1.193	1.048	.972	1.071	1.094	1.178	1.077	1.128	1.050	1.070	1.081
1916.	1.108	1.197	1.019	1.075	.948	1.030	1.085	1.105	1.099	1.126	1.166	.990	1.079
1917.	1.063	1.113	1.050	1.035	1.047	1.080	1.073	1.149	1.173	1.132	1.227	1.178	1.110
1918.	1.030	1.057	1.059	1.062	.971	1.083	1.136	1.089	1.190	1.126	1.105	1.097	1.084
1919.	1.139	.988	1.119	1.046	1.044	1.106	1.084	1.124	1.091	1.086	1.133	1.190	1.096
1920.	1.202	1.162	.906	.911	1.070	1.068	1.155	1.147	1.090	1.062	1.202	1.001	1.081
1921.	1.126	1.085	1.036	.990	1.052	1.068	1.123	1.138	1.062	1.091	1.116	1.172	1.088
1922.	1.120	1.109	1.035	1.040	1.041	1.084	1.141	1.118	1.151	1.101	1.133	1.056	1.067
1923.	1.065	1.231	1.073	1.012	1.030	1.018	1.125	1.139	1.121	1.219	1.161	1.124	1.110
AV.	1.092	1.089	1.045	1.018	1.010	1.035	1.091	1.097	1.099	1.105	1.119	1.100	1.075

EXTREMES OF WIND AND PRECIPITATION

Month	Precipitation						Wind			
	24 hour maximum	Year	Day	Greatest monthly	Year	Least monthly	Year	Maximum velocity	Direction	Year
January.....	1.32	1879	30-31	2.33	1879	0.00	1878	58	n.w.	1909
February.....	1.15	1909	22	1.61	1909	0.02	1910	68	n.w.	1877
March.....	1.56	1894	20-21	3.08	1912	0.04	1882	66	n.w.	1878
April.....	2.34	1890	21	7.10	1915	0.15	1893	96	s.e.	1878
May.....	2.94	1902	16	7.98	1902	0.11	1897	84	s.w.	1877
June.....	2.96	1883	3-4	7.63	1905	0.49	1876	90	s.w.	1883
July.....	3.15	1879	25	8.47	1879	0.34	1901	84	w.	1877
August.....	3.19	1920	19-20	5.56	1906	0.16	1879	66	n.w.	1877
September.....	2.52	1877	8	5.10	1887	0.08	1884	72	w.	1877
October.....	3.34	1908	18-19	4.11	1897	0.01	1910	62	s.	1879
November.....	1.70	1922	4-5	2.83	1919	T.	1902*	62	n.w.	1877
December.....	1.99	1877	21	3.86	1877	T.	1894†	72	n.w.	1877

* Also 1914. † Also 1905.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR 1923, NORTH PLATTE, NEBRASKA.

MONTH	TEMPERATURE (Degrees Fahrenheit)							PRECIPITATION (In. and hundredths)				Relative Humidity, per cent.				Sunshine, percentage of possible	WIND				NUMBER OF DAYS WITH—											
	Mean			Extremes				Total	Maximum in 24 hours			8 a. m.	Noon	8 p. m.	Average hourly ve- locity		Prevailing direction	MAXIMUM (For five min.)			Gales, 40 miles per hour or more	Clear	Partly Cloudy	Cloudy	Precipitation, .01 inch or more	Snow	Thunderstorms	Fog, dense	MAX. TEMP.		MIN. TEMP.	
	Maximum	Minimum	Monthly	Maximum	Date	Minimum	Date		Maximum	Date	Snowfall							Velocity	Direction	Date									82° or below	90° or above	82° or below	Zero or below
January ..	46.3	19.5	32.9	65	17	5	30	0.11	0.07	26	1.2	75	42	47	82	7.0	w.	32	nw.	8	0	16	7	8	3	3	0	0	4	0	30	0
February .	41.2	11.2	26.2	61	23	-7	14	0.14	0.12	10	2.2	80	43	47	83	7.0	n.	35	nw.	13	0	12	7	9	3	9	0	0	7	0	28	4
March	48.5	19.8	34.2	75	1	-2	18	0.38	0.17	20-21	8.5	79	43	46	74	9.1	w.	40	n.	17	1	14	10	7	6	7	0	0	4	0	30	1
April	61.2	35.0	48.1	87	19	24	8	2.02	0.56	24-25	3.5	83	44	46	63	4.6	n.	22	nw.	20	0	13	6	11	10	2	3	0	0	0	14	0
May	68.5	45.8	57.2	83	31	30	16	4.08	1.02	27-28	T	84	51	54	64	6.5	se.	27	se.	31	0	11	5	15	10	1	7	0	0	0	2	0
June	79.5	58.9	69.2	94	24	48	29	4.15	1.26	5	0.0	86	55	62	70	8.0	s.	33	sw.	14	0	14	9	7	10	0	7	1	0	1	0	0
July	86.8	65.0	75.9	95	7	55	1	3.63	1.56	17	0.0	88	53	57	83	5.6	s.	21	n.	31	0	14	12	5	7	0	7	2	0	8	0	0
August	81.7	58.7	70.2	91	20	47	22	4.70	2.16	9-10	0.0	90	55	63	80	5.2	e.	37	nw.	4	0	17	6	8	12	0	12	1	0	3	0	0
September	77.1	50.6	63.8	91	3	40	29	0.88	0.43	16-17	0.0	88	46	56	78	5.9	se.	32	e.	27	0	16	8	6	6	0	3	0	0	2	0	0
October...	56.9	37.3	47.1	77	8	9	30	1.77	0.58	10-11	1.3	90	56	66	54	7.0	se.	24	s.	9	0	10	7	14	13	4	1	1	1	0	12	0
November.	56.3	28.7	42.5	71	24	18	29	0.45	0.45	11	T.	83	42	53	75	5.7	w.	31	nw.	25	0	18	8	4	1	2	0	1	0	0	25	0
December.	42.5	18.3	30.4	62	7	-17	31	0.39	0.32	30	4.3	82	47	60	53	6.4	n.	31	n.	12	0	12	6	13	4	4	0	0	3	0	30	2
Total ...	62.2	37.4	49.8	95	July 7	-17	Dec. 31	22.70	2.16	Aug. 9-10	16.0	84	48	55	72	6.5	n.	40	n.	M'h 17	1	167	91	107	85	32	40	6	19	14	171	7

NORTH PLATTE, NEBRASKA

Year 1923