

## U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

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In Cooperation with Maryland State Weather Service

## CLIMATOLOGICAL DATA

## 15 MARYLAND AND DELAWARE SECTION

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## GENERAL SUMMARY

This January was the third mildest of record, with mean temperature  $3.7^{\circ}$  lower than in January, 1932. Precipitation averaged about normal. Snowfall was very light, as in the two preceding Januaries, and averaged one-fifth of normal. Monthly sunshine was between 5 and 10 per cent above normal. Relative humidity averaged normal. Most of the precipitation occurred during the third decade. There was unusual frequency of light fog. The northeast gale, very high tide, and heavy rain of 25-26th, which caused some property damage and uprooted some trees, locally, over the eastern half of the section and demolished part of the pier and undermined some concrete bulkheads at Ocean City, and the northwest gale of 28th were features of the month.

New Year's Day was clear, cold, and windy, ushered in a cold wave, and was the coldest day of the month. Change to markedly warmer occurred on 2d. Warm weather prevailed from 3d to 12th. The 13th and 14th were moderately cold. A prolonged, decidedly warm period had its inception on 15th and continued to 26th. Temperatures were mild during 27-30th. The 31st was warm.

Monthly precipitation was below normal in western and north-central Maryland, with totals mostly between 2 and 3 inches; it was above normal generally over the Eastern Shore and southern Maryland, with totals mostly between 3 and 4 inches, except between 4 and 5 inches over the east-central portion of the Eastern Shore and the east-central and western portions of southern Maryland.

Monthly snowfall was a trace on the Eastern Shore and over southern Maryland, except near 1 inch in Charles and southern (Continued on page 3)

## TEMPERATURE

The monthly mean for the section,  $41.0^{\circ}$ , is  $8.1^{\circ}$  above normal. The highest monthly mean was  $44.4^{\circ}$  at Snow Hill; the lowest  $34.3^{\circ}$ , at Sines. The highest temperature,  $70^{\circ}$ , occurred at Cumberland and Hancock on the 19th and at La Plata on the 23d; the lowest,  $4^{\circ}$ , at Oakland on 1st. The greatest local monthly range was  $63^{\circ}$  at Oakland; the least,  $45^{\circ}$ , at ten stations in the northeast portion of the section and at Crisfield. The greatest daily range was  $41^{\circ}$  at Western Port on the 2d.

## PRECIPITATION

The monthly average for the section, 3.18 inches, is 0.05 inch below normal. The greatest monthly amount was 5.09 inches at Millsboro; the least, 1.96 inches at Keedysville. The greatest 24-hour amount was 3.03 inches at Millsboro on the 25-26th. The monthly average snowfall for the section, 1.4 inches, is 5.6 inches below normal. The average number of days with 0.01 inch or more of precipitation, 9, is 1 below normal.

## MISCELLANEOUS PHENOMENA (WITH DATES)

Fogs, light.—3, 4, 5, 6, 9, 11, 15, 16, 17, 19, 21, 22, 23, 25, 27, 28.

Fogs, dense.—16, 19, 22, 23.

Gales.—Northeast: Eastern portion of section and on coast, 25-26; Northwest: Entire section and on coast, 28; on the coast, 26, 29.

Halos, lunar.—1, 2, 4, 6, 7, 8, 10-11, 13. solar.—1, 2, 3, 11, 17, 23, 30.

Sleet, light.—Baltimore, 21; Darlington, 27; Oakland, 25.

Winds, strong.—Over section and on coast: Westerly, 7, night 19-20; northwest, night 9-10, 12, 26, 28, 29; northeast, 25-26. Eastern portion of section and on coast: Northerly, 1, 14. On the coast: South, 11; northeast, 13-14; northwest, 30.

## PRESSURE, HUMIDITY, SUNSHINE AND WIND

Stations	Atmospheric pressure reduced to sea level			Mean relative humidity	Sunshine			Wind†							
	Average	Highest	Date		Lowest	Date	Local n.n.	8 p.m.	Hours	Percentage	Average hourly velocity	Direction	Miles	Direction	Highest
Aberdeen, Md.	30.07	30.66	1	29.40	27	80	66	77	150	49	8.1	N.W.	45	n.	26
Baltimore, Md.	30.05	30.62	1	29.32	25	74	60	65	176	53	11.0	S.W.	43	ne.	26
Elkins, W. Va.	30.12	30.66	1	29.37	27	80	62	70	146	48	6.6	w.	29	w.	7
Harrisburg, Pa.	30.04	30.64	1	29.44	27	68	59	65	135	45	7.8	N.W.	32	w.	7
Norfolk, Va.	30.07	30.64	1	29.05	26	88	64	69	138	45	18.8	S.W.	43	n.w.	26
Philadelphia, Pa.	30.05	30.66	1	29.41	27	65	56	59	168	56	14.5	S.W.	46	n.	26
Pittsburgh, Pa.	30.07	30.64	1	29.38	27	76	66	66	125	42	11.5	S.W.	40	w.	7
Washington, D.C.	30.06	30.66	1	29.27	25	73	56	59	132	43	7.6	N.W.	30	n.	26

† Velocity of wind in miles per hour by 4-cup anemometer.

## COMPARATIVE DATA FOR MARYLAND AND DELAWARE FOR JANUARY

Years	Temperature			Precipitation				Number of days				
	Mean	Highest	Lowest	Average	Greatest local	Least local	Greatest 24-hour rain	Average snow-fall	Rainy	Clear	Partly cloudy	Cloudy
Normals.	32.9	.....	3.23	.....	9.89	0.56	3.45	7.2	10	12	7	12
Extremes.	80	-40	.....	9.89	0.56	3.45	.....	.....	.....	.....	.....	.....
1895	29.4	66	-17	4.34	9.89	1.87	1.70	13.0	12	9	10	12
1896	31.9	66	-13	1.80	3.33	0.90	2.05	1.0	4	12	8	11
1897	29.5	66	-12	1.95	3.97	0.81	1.40	8.3	7	13	7	11
1898	35.5	72	-2	3.56	8.95	1.24	1.50	4.3	11	11	5	12
1899	32.2	70	-24	3.33	6.59	1.31	1.78	5.6	10	15	5	11
1900	33.7	69	-8	2.43	3.79	1.34	2.15	1.8	7	14	7	10
1901	32.6	68	-4	2.70	6.22	1.14	2.00	8.3	7	13	7	11
1902	29.9	64	-7	3.53	6.75	1.80	2.80	9.9	8	12	7	12
1903	31.6	62	-6	3.99	6.08	2.30	2.20	6.4	9	11	8	12
1904	26.2	64	-20	2.53	4.67	1.07	1.60	14.5	10	13	6	12
1905	28.7	69	-14	3.71	4.72	1.67	2.40	17.7	11	11	8	12
1906	35.8	76	-6	2.88	4.74	1.08	1.65	2.3	10	12	8	11
1907	35.8	77	-19	3.08	7.00	1.28	1.00	5.9	12	9	9	13
1908	32.8	63	-21	3.26	4.93	2.11	1.90	7.0	8	15	9	7
1909	35.3	71	-3	2.75	3.58	1.48	1.48	5.9	10	10	8	13
1910	32.1	69	-12	4.34	5.81	1.40	2.48	-11.5	12	9	8	14
1911	36.9	76	-5	3.98	3.17	1.90	2.21	4.1	12	12	7	12
1912	24.0	60	-40	2.68	4.40	1.42	0.97	-16.0	10	11	10	10
1913	41.6	74	8	3.17	5.85	2.21	1.25	2.0	13	11	8	12
1914	36.1	76	-14	3.84	6.07	1.71	2.28	-3.6	7	10	10	11
1915	34.2	67	-1	5.87	8.41	3.38	3.27	6.0	12	12	7	12
1916	38.1	74	-11	1.74	4.47	0.90	0.90	3.2	11	12	7	12
1917	33.4	66	0	3.06	5.04	1.40	2.00	4.1	10	12	7	12
1918	21.5	61	-30	4.24	6.11	2.28	2.05	23.7	10	11	8	12
1919	36.2	66	-13	3.50	4.70	1.45	1.46	2.5	7	17	6	8
1920	27.8	64	-10	2.47	3.93	1.20	1.35	2.8	10	12	6	13
1921	35.7	70	-5	2.29	4.15	1.05	2.19	1.4	8	12	8	11
1922	30.3	63	-15	3.96	5.63	1.39	2.47	22.3	9	12	5	14
1923	34.8	68	0	4.18	6.14	2.49	2.19	6.0	12	8	9	14
1924	33.7	67	-10	4.06	6.10	2.45	2.10	1.6	7	14	5	9
1925	31.2	63	-31	4.78	7.63	3.14	3.45	17.2	12	12	4	15
1926	32.4	72	-11	3.10	4.59	2.26	1.58	4.2	10	12	9	10
1927	32.7	75	-5	1.60	4.20	0.74	0.67	2.4	11	9	7	15
1928	34.3	72	-11	2.52	4.65	0.71	3.00	9.7	7	17	5	9
1929	32.9	69	-13	2.68	4.22	1.22	1.44	2.2	10	12	6	13
1930	34.1	75	-17	2.75	4.31	0.56	1.45	11.2	11	10	6	15
1931	34.6	66	-8	1.68	2.35	0.71	1.38	1.4	5	13	10	8
1932	44.7	80	13	5.04	6.63	2.83	2.50	1.1	12	8	7	16
1933	41.0	70	4	3.18	5.09	1.96	3.03	1.4	9	10	10	11





