

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

In Cooperation with Maryland State Weather Service

# CLIMATOLOGICAL DATA

15 MARYLAND AND DELAWARE SECTION

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GENERAL SUMMARY

This month, slightly colder than normal, was 10.7° warmer than February, 1934, which was the coldest February of record. The severe cold that overspread the section on January 23 was terminated February 2. Severe cold prevailed again during the 6-7th and 27-28th. Warm days were 9th, 15-16th, and 24-26th; the 25th was the warmest day.

This was the sixth consecutive February with precipitation below normal. The monthly average was 88 per cent of normal. Monthly totals were mostly between 2 and 3 inches, except slightly below 2 inches in Allegany and Washington Counties and between 3 and 4 inches over central and northern portions of the Eastern Shore.

Monthly snowfall averaged slightly below normal. Monthly totals increased from a trace at the extreme south to between 7 and 10 inches in northern border counties, except less than 7 inches in central and eastern Allegany and western Washington Counties and 10 to 18 inches in the Allegheny Mountain region.

Light snow fell in the Allegheny Mountain region on 4th, 17th, 19th, 20th, and 26th, and flurries over the section to eastward thereof. On 5-6th snowfall was light over the southern half of the section and moderate over the northern half. Light snow fell over the section on 10th and 27th. Over the northern half of the section there were flurries on 22d and light snow fell on 23d.

Periods of clear or overcast sky were brief. Monthly sunshine was about normal over the Eastern Shore and about 10 per cent below normal in central and western divisions. Relative humidity averaged normal.

The dense fog of 14-16th grounded air transportation, interrupted shipping activities, and delayed land traffic.

There were two windy periods, the 17th-21st and 25-28th.

Heavy ice in rivers and in upper Chesapeake Bay, continuing at close of January, interrupted movements of vessels and oystering during the first decade of this month.

Wheat, rye, and barley were nicely green and in good condition and grasses were fair to good, when the snow cover disappeared over the extreme south portion during the first decade and over the remainder of the section by or on the 16th, and continued so thereafter. During the third and fourth weeks fields were well saturated, but some plowing was done; orchards were pruned and sprayed; tobacco beds were made; roads, fences, and implements were repaired; and some early peas were planted on the extreme southern Eastern Shore.—J. B., jr.

TEMPERATURE

The monthly mean for the section, 33.2°, is 0.8° below normal. The highest monthly mean was 38.8° at Crisfield; the lowest, 26.9° at Grantsville. The highest temperature, 69°, occurred at Boyds, Great Falls, and La Plata on the 25th; the lowest, 12° below zero, at Chewsville on the 7th. The greatest local monthly range was 78° at Bell and Lutherville; the least, 52° at Crisfield and State Sanatorium. The greatest daily range was 49° at Lutherville on the 2d and at Sines on the 25th.

PRECIPITATION

The monthly average for the section, 2.70 inches, is 0.38 inch below normal. The greatest monthly amount was 3.82 inches at Easton; the least, 1.60 inches at Cumberland. The great-

est 24-hour amount was 1.95 inches at Dover on the 13-14th. The monthly average snowfall for the section, 6.6 inches, is 0.7 inch below normal. The greatest monthly snowfall was 17.5 inches at Grantsville; the least, a trace, at Crisfield and Princess Anne. The average number of days with 0.01 inch or more of precipitation, 9, is normal.

MISCELLANEOUS PHENOMENA (WITH DATES)

Eclipse, solar.—3; not visible owing to cloudy sky.  
 Fogs, Light.—3, 5, 6, 8, 9, 10, 13 to 17, 22, 23, 25, 26. Dense.—14, 15, 16, 23, 26.  
 Frogs, first croaking of.—La Plata, 18.  
 Glaze, Light.—Nights of 13-14 and 22-23. Sleet, Light.—3, 8, 9, 10, 13, 22, 23, 26.  
 Halos: Lunar.—Solomons, 16. Solar.—Baltimore, 8, 13, 24, 28.  
 Thunderstorms.—Solomons, 16; Millsboro, 26.  
 Winds, high.—Westerly: 4, 17, 18, 19, 20, 21, 25, 26, 27, 28.

PRESSURE, HUMIDITY, SUNSHINE AND WIND

Stations	Atmospheric pressure reduced to sea level				Wind				Mean relative humidity			Percentage of sunshine	
	Average	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	Local n'n		8 p. m.
Aberdeen, Md.	30.06	30.74	1	29.50	3	7.0	31	w.	19	79	68	68	..
Annapolis, Md.	30.07	30.77	1	29.53	3	8.3	26	nw.	19	73	60	72	..
Baltimore, Md.	30.07	30.74	1	29.51	3	10.7	35	sw.	27	72	63	67	56
Elkins, W. Va.	30.12	30.61	1	29.67	15	7.5	23	w.	15	85	76	75	29
Harrisburg, Pa.	30.06	30.76	1	29.53	3	7.8	25	w.	19	73	58	63	52
Norfolk, Va.	30.03	30.73	1	29.51	3	10.0	23	n.	26	73	59	68	57
Philadelphia, Pa.	30.07	30.77	1	29.51	3	13.5	31	n.	4	66	58	60	54
Pittsburgh, Pa.	30.07	30.62	1	29.60	3	11.2	36	w.	19	78	60	74	29
Washington, D. C.	30.08	30.77	1	29.51	3	7.6	24	nw.	19	72	58	58	45

COMPARATIVE DATA FOR MARYLAND AND DELAWARE FOR FEBRUARY

Year	Temperature				Precipitation				Number of days				
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average snowfall	With .01 in. or more precipita- n	Clear	Partly cly	Cloudy
1895	24.5	-9.5	67	-18	1.26	-1.82	2.14	0.39	11.1	5	15	8	5
1896	34.6	+0.6	66	-12	5.41	+2.33	7.48	2.40	2.8	9	12	7	10
1897	34.8	+0.8	63	0	5.43	+2.35	9.17	3.53	7.3	10	9	7	12
1898	33.7	-0.3	70	-6	1.66	-1.42	3.21	0.70	1.8	5	15	6	7
1899	26.2	-7.8	67	-26	5.38	+2.30	8.55	2.07	28.9	12	11	5	12
1900	31.8	-2.2	72	-15	4.70	+1.62	8.22	2.28	8.4	9	11	7	10
1901	27.4	-6.6	69	-6	0.73	-2.25	2.89	1.0	3.1	4	16	6	5
1902	27.4	-6.6	68	-17	4.53	+1.45	6.85	2.48	6.4	8	12	7	10
1903	35.7	+1.7	73	-12	4.94	+1.86	8.20	2.74	5.5	10	11	10	10
1904	27.1	-6.9	70	-15	1.79	-1.29	3.42	0.34	3.0	7	12	7	11
1905	25.4	-8.6	53	-29	2.69	-0.33	5.44	0.43	10.1	9	7	7	9
1906	33.2	-0.5	68	-15	2.55	-0.53	6.57	0.46	5.9	7	15	6	7
1907	28.0	-6.0	59	-29	2.38	-0.70	3.55	0.95	15.3	7	13	8	7
1908	29.6	-4.4	68	-15	4.18	+1.10	7.02	1.55	13.4	10	11	10	8
1909	41.8	+7.8	76	4	3.54	+0.46	7.10	1.33	4.5	11	11	8	9
1910	33.2	-0.8	74	-6	2.35	-0.73	4.02	0.57	4.9	9	12	9	7
1911	35.6	+1.6	74	8	1.93	-1.15	3.09	0.98	7.0	9	10	6	12
1912	29.5	-4.5	68	-18	2.53	-0.55	4.32	1.41	1.5	7	14	8	7
1913	34.4	+0.4	73	0	1.49	-1.59	2.59	0.61	2.1	7	14	7	7
1914	28.7	-5.3	68	-23	2.78	-0.30	4.23	1.78	14.1	9	13	6	9
1915	37.5	+3.5	72	-6	4.36	+1.28	7.12	1.78	2.2	8	11	6	11
1916	32.1	-1.9	69	-11	3.31	+0.23	5.71	2.16	7.5	9	10	8	11
1917	31.6	-2.4	76	-18	2.19	-0.89	4.70	1.09	6.7	8	12	8	8
1918	33.5	-0.5	71	-15	1.51	-1.57	5.14	0.58	2.2	6	13	6	8
1919	35.6	+1.6	70	-3	2.44	-0.64	3.42	1.40	2.8	10	14	6	8
1920	31.5	-2.5	62	-5	4.17	+1.09	8.57	1.43	11.8	11	10	7	12
1921	37.8	+3.8	77	-15	2.92	-0.16	4.11	2.02	9.6	10	10	8	10
1922	37.3	+3.3	79	-12	3.18	+0.10	6.35	2.04	7.2	12	9	9	10
1923	30.7	-3.3	70	-6	2.81	-0.27	4.60	2.10	7.1	11	10	7	11
1924	32.4	-1.6	68	-13	3.47	+0.39	4.48	2.09	10.7	9	11	7	9
1925	41.2	+7.2	75	-2	1.62	-1.46	2.68	0.66	0.1	7	12	7	9
1926	34.4	+0.4	68	-5	3.98	+0.90	5.95	0.95	15.7	12	10	6	12
1927	40.0	+6.0	73	-15	3.83	+0.75	6.93	2.21	8.0	11	9	9	10
1928	35.5	+1.5	66	0	2.83	-0.25	4.45	1.43	1.2	9	10	9	10
1929	33.0	-1.0	72	1	3.69	+0.61	6.81	1.99	10.7	9	13	6	9
1930	39.4	+5.4	85	-20	2.06	-1.02	3.36	1.14	2.9	9	13	6	9
1931	36.6	+2.6	65	7	1.67	-1.41	3.31	1.21	0.7	8	13	5	10
1932	40.5	+6.5	88	8	2.35	-0.73	3.77	1.44	0.2	8	11	8	10
1933	36.2	+2.2	70	-8	3.01	-0.07	5.38	1.51	7.8	11	13	5	10
1934	22.5	-11.5	60	-25	2.94	-0.14	6.59	0.55	18.2	9	10	8	10
1935	33.2	-0.8	69	-12	2.70	-0.38	3.82	1.60	6.6	9	8	9	11
Period.	34.0	.....	88	-29	3.08	.....	9.17	0.10	7.3	9	12	7	9





Daily Temperatures for February, 1935

Table with columns for Stations, days 1-31, and Mean. Rows list various Maryland and Delaware locations such as Aberdeen, Annapolis, Baltimore, etc., with their respective temperature data.

§§Instruments are read in morning; maximum temperature then read is charged to preceding day, on which it almost always occurs. Temperatures at Aberdeen, Annapolis, Baltimore, Pundalk, Sines, and Washington are from midnight to midnight; other stations, except Cumberland, are for 24-hour period ending late in afternoon, near sunset.