

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU  
IN COOPERATION WITH MARYLAND STATE WEATHER SERVICE

# CLIMATOLOGICAL DATA

## 15 MARYLAND AND DELAWARE SECTION

J. R. WEEKS

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### GENERAL SUMMARY

**T**HIS February was mild and sunny. Monthly precipitation was well below normal. Monthly snowfall was very light, except about two-thirds of normal in the Allegheny Mountain region. Monthly sunshine was nearly 10% above normal. There were no damaging winds.

The 19-24th was a very warm period. A cold wave prevailed during the 14-16th. Temperatures were mild during the 1st-2d, 4-11th, 25th, and 28th; were seasonable during the 12-13th; and were moderately cold during the 3d, 17-18th, and 26-27th.

Most of the precipitation occurred during the first half of the month, except in the Allegheny Mountain region. Monthly totals were between 0.5 and 1 inch in Allegany and western Washington Counties, between 1 inch and 2 inches in eastern Garrett, eastern Washington, Frederick, Carroll, Baltimore, and Harford Counties, and mostly between 2 and 3 inches over the remainder of the section.

Monthly snowfall was mostly between 0.5 inch and 2 inches in Allegany and Washington Counties, in southern Maryland, and on the Eastern Shore, mostly between 1 inch and 2.5 inch in north-central Maryland, and increased from 1 inch to 2 inches at the eastern foothills westward to between 10 and 16 inches in the highlands of the Allegheny Mountain region.

Light snow fell in the Allegheny Mountain region on the 7th and from the 11th to the 19th; snow flurries occurred eastward thereof on the 7th, 11th, 13th, and 14th. Light snow fell over the section during the 26-27th.

Grains were good to excellent during the first and second weeks, fair to good during the third week, and good during the fourth week. Pastures were fair to good during the first half and fair during the second half of the month. They were affected adversely by the cold wave of the 14-16th.

Activities included cutting wood, pruning fruit trees, hauling manure, stripping tobacco, husking corn, caring for livestock, and tapping maple trees, but no field operations.—*J. B., jr.*

### TEMPERATURE

The monthly mean for the section, 36.1°, is 2.9° above normal. The highest monthly mean was 40.8° at Salisbury; the lowest, 25.4°, at Mt. Savage Summit. The highest temperature, 75°, occurred at Fort George G. Meade on the 23d and at Salisbury on the 20th; the lowest, 15° below zero, at Oakland on the 18th and at Sines on the 16th. The greatest local monthly range was 80° at Sines; the least, 52°, at Ocean City.

### PRECIPITATION

The monthly average for the section, 2.01 inches, is 0.90 inch below normal. The greatest monthly amount was 3.92 inches at Snow Hill; the least, 0.46 inch, at Luke. The greatest 24-hour rainfall was 1.27 inches at Snow Hill on the 4th and at Woodstock on the 11th. The monthly average snowfall for the section, 2.1 inches, is 4.9 inches below normal.

The greatest monthly snowfall was 15.3 inches at Sines. The greatest 24-hour snowfall was 5.0 inches at Friendsville on the 26-27th.

### MISCELLANEOUS PHENOMENA (WITH DATES)

*Fogs, light and dense.*—1, 4, 5, 6, 10, 11, 20 to 24, 26. *Frogs, first croaking of.*—Baltimore, 19; Germantown, 23. *Halos, lunar.*—16, 17, 19. *Halos, solar.*—3, 5, 12, 20, 28. *Rainbow.*—Ferry Landing, 24. *Sleet, light.*—3, 11, 26. *Sundog.*—Chewsville, 17. *Thunderstorms.*—6, 24, 26. *Winds, high.*—1, 7, 8, 11 to 15, 23, 24, 27, 28.

### PRESSURE, HUMIDITY, SUNSHINE, WIND, DEGREE DAYS

Stations	Atmospheric pressure reduced to sea level			Wind			Mean relative humidity			Percentage of sunshine	Heating degree days (base 65°)		
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.			1:30 p. m.	7:30 p. m.
Aberdeen, Md. ....	30.67	18	29.48	6	11.0	..	.....	..	76	62	68	..	836
Annapolis, Md. ....	30.68	18	29.45	6	11.1	..	.....	..	76	62	68	..	788
Baltimore, Md. ....	30.69	18	29.49	6	11.1	..	.....	..	68	55	59	..	782
Elkins, W. Va. ....	30.67	18	29.45	6	8.3	29	sw.	6	80	68	73	62	925
Harrisburg, Pa. ....	30.65	18	29.50	6	9.1	26	nw.	15	74	58	60	55	880
Norfolk, Va. ....	30.64	18	29.51	6	11.2	39	sw.	13	75	48	65	66	572
Philadelphia, Pa. ....	30.64	18	29.48	6	10.4	37	nw.	14	76	57	65	56	817
Pittsburgh, Pa. ....	30.68	18	29.37	6	14.0	35	w.	28	80	62	62	47	871
Washington, D. C. . .	30.68	18	29.49	6	8.6	27	nw.	27	69	51	54	61	732

### COMPARATIVE DATA FOR FEBRUARY

Year	FOR MARYLAND						FOR DELAWARE					
	Temperature			Precipitation			Temperature			Precipitation		
	Mean	Highest	Lowest	Average	Average snowfall	No. of days with .01 in. or more	Mean	Highest	Lowest	Average	Average snowfall	No. of days with .01 in. or more
1895	24.5	67	-18	1.26	11.1	5	24.7	62	-4	1.61	11.3	6
1896	34.5	66	-12	5.34	2.7	9	35.8	66	0	6.31	1.0	10
1897	34.6	68	0	5.47	7.9	10	36.0	59	10	5.12	2.7	10
1898	33.4	70	-6	1.58	2.1	5	36.0	65	0	2.00	..	5
1899	26.1	75	-26	5.30	28.8	12	27.7	65	-14	6.15	30.3	13
1900	31.7	72	-15	4.74	8.3	9	33.1	69	3	4.24	10.0	11
1901	27.3	69	-6	0.70	3.2	4	28.2	52	1	1.06	1.0	8
1902	27.3	68	-17	4.51	6.0	8	28.3	62	6	4.82	12.8	8
1903	35.6	73	-12	4.87	5.9	10	37.2	69	-1	5.57	2.5	10
1904	27.0	70	-15	1.73	3.7	7	28.3	65	-1	2.25	5.0	6
1905	25.3	63	-20	2.65	10.1	9	26.4	53	-6	4.07	5.6	10
1906	33.1	68	-15	2.42	5.7	7	34.6	68	-5	3.71	4.4	8
1907	27.9	59	-29	2.38	16.0	7	29.1	57	-5	2.38	10.6	8
1908	29.3	68	-15	4.16	14.7	10	32.1	68	3	4.30	4.1	8
1909	41.6	75	4	8.55	4.8	11	43.3	76	7	3.50	2.4	11
1910	32.9	74	-6	2.41	5.2	9	36.1	73	3	1.46	3.2	7
1911	35.3	74	8	1.92	7.1	9	36.4	68	17	2.03	5.6	8
1912	29.3	65	-18	2.49	1.8	7	31.4	68	5	2.81	0.5	7
1913	34.1	72	0	1.46	2.3	7	36.0	73	12	1.74	0.9	7
1914	28.3	68	-28	2.81	14.9	9	31.4	64	1	2.62	10.0	8
1915	37.1	72	-15	4.38	2.4	8	39.7	72	15	4.22	1.7	8
1916	31.9	69	-11	3.27	7.9	9	32.9	67	2	3.52	5.0	9
1917	31.6	76	-18	2.18	7.1	8	31.7	69	-1	2.29	2.7	8
1918	33.6	70	-15	1.56	2.4	8	33.4	71	-10	1.17	1.4	6
1919	35.5	70	-3	2.36	3.2	10	36.2	69	14	2.89	0.4	9
1920	31.4	62	-5	3.97	12.5	12	31.8	58	1	5.44	7.3	10
1921	37.7	77	-15	2.86	9.8	10	38.2	71	10	3.33	7.0	10
1922	37.2	79	-11	3.14	7.0	12	37.8	73	1	3.38	8.9	11
1923	30.7	70	-9	2.79	6.9	11	30.9	61	6	2.91	9.0	11
1924	32.3	68	-13	3.44	11.1	9	33.3	67	12	3.76	8.0	8
1925	40.8	75	-2	1.64	0.1	7	43.0	74	13	2.18	..	7
1926	34.2	68	-5	3.99	16.2	12	35.5	65	8	3.92	11.9	10
1927	39.9	73	15	3.86	8.4	11	40.9	69	22	3.57	3.6	8
1928	35.4	66	0	2.78	1.2	9	36.1	63	9	3.20	1.2	8
1929	32.7	72	1	3.57	10.0	9	35.0	71	1	4.65	8.5	10
1930	39.2	85	-20	2.06	2.8	9	40.2	82	-3	2.04	3.1	10
1931	36.5	65	7	1.69	0.8	8	37.3	62	-14	1.54	0.2	7
1932	40.5	88	8	2.31	0.2	8	40.8	79	15	2.70	..	8
1933	35.9	70	-8	2.93	7.7	11	38.1	68	8	3.68	9.3	10
1934	22.5	60	-25	2.80	18.0	9	22.0	57	-15	4.12	20.1	9
1935	33.0	69	-12	2.63	6.8	9	34.2	64	-4	3.20	5.3	8
1936	26.6	70	-20	3.73	15.2	10	27.6	68	-3	4.57	13.6	10
1937	34.6	72	0	3.25	8.8	12	36.8	69	14	2.78	5.3	12
1938	38.8	76	4	2.52	2.1	9	39.6	72	15	2.61	2.3	8
1939	39.4	76	0	5.15	1.4	12	41.2	75	13	5.70	..	12
1940	34.2	66	-4	2.93	8.1	11	34.6	64	12	3.00	7.9	11
1941	31.3	60	-10	1.35	5.4	6	32.1	56	11	2.11	6.5	6
1942	31.8	66	-9	2.13	2.3	6	32.7	65	7	2.10	1.1	5
1943	36.1	75	-15	1.96	2.2	9	36.9	72	0	2.36	1.1	11
Period	33.1	88	-29	2.96	7.2	9	34.4	82	-15	3.28	5.6	9

Climatological Data for February 1943

Table with columns: STATIONS, COUNTIES, Elevation, Length of record, Temperature (Mean, Departure from normal, Highest, Date, Lowest, Date), Precipitation (Total, Departure from normal, Greatest in 24 hours, Date, Total snowfall), Number of days (With precip., Clear, Partly cloudy, Cloudy), Prevailing direction of wind, OBSERVERS.

The departures from normal temperatures are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used.

Post addresses of these stations are as follows: of Bell, Glenndale; of Blackwater, Cambridge; of Coleman, Worton; of Edgemont, Smithsburg; of Fallston, Bagley; of Ferry Landing, Owings; of Great Falls, Bethesda; of Mt. Savage Summit, Frostburg; of Picardy, Paw Paw, Va.; of Pleasant Hill, Owings Mills; of Prettyboy Dam, Parkton; of Sines, Oakland; of Tonoloway, Hancock. \*Custom House, Gay and Water Sts. \*\*Weather Bureau Building, 24th and M Sts. †Also on other dates. ‡miles northwest of Frostburg. §§Municipal Building. ¶Porter Reservoir. \*\*Water Pumping Station. ††University Farm.

Thermometers are read in morning; maximum temperature then read is charged to preceding day, on which it almost always occurs. Temperatures at Aberdeen, Annapolis, Baltimore, Sines, and Washington are from midnight to midnight; at Dundalk, Mt. Savage Summit, Ocean City, and Snow Hill the thermometers are read at 1:30 a. m., the extremes are charged to the preceding day; other stations, except Blackwater, Cheltenham, College Park, Conowingo Dam, Cumberland, and Pocomoke City, are for 24-hour period ending late in afternoon, near sunset.



Daily Temperatures for February 1943-Continued

Table with columns for Stations (Maryland) and days 1-31, plus a Mean column. Rows list various locations like Aberdeen, Annapolis, Baltimore, etc., with their respective temperature data.

See page 6 for explanation of reference marks.

(WBO, Richmond, Va., 4-15-43-1,200)