

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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PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLII BALTIMORE, MD., MARCH 1937 No. 3

GENERAL SUMMARY

This was the first cold and the first snowy March since 1934, and the first sunshiny March since 1932. It was also a windy March. Monthly precipitation (rain, melted sleet, and melted snow) averaged about three-fifths of normal, and was the least in March since 1927. Monthly snowfall, however, averaged nearly twice the normal. Monthly sunshine was about 10 per cent above normal. High winds were frequent, but not damaging.

Monthly amounts of precipitation were between 2 and 3 inches over the Eastern Shore, except between 3 and 4 inches in Somerset County; they were between 2 and 4 inches in the Allegheny Mountain region; over the remainder of the section they were between 1 and 2 inches, except slightly above 2 inches in Charles County and in some districts of north-central Maryland.

Monthly snowfall over the eastern half of the section ranged from 15 to 20 inches over the east portion of north-central Maryland to 8 inches in extreme northern New Castle County, to 0.5 inch over the southern third of the Eastern Shore, and to 1.5 inches in extreme southern Maryland. Over the western half of the section totals were 5 to 15 inches, except 15 to 21 inches in Garrett County.

In the Allegheny Mountain region: Snow flurries occurred on the 8th, 21st, 25th, 27th, and 28th. Light snow fell on the 17th and 26th; light to moderate snow on the 13th; and light to heavy snow on the 9th.

Snowfall was light over the section on the 11th, except moderate to heavy in the east portion of north-central Maryland. On the 14th snowfall was moderate to heavy in western and north-central Maryland and light in southern Maryland and on the Eastern Shore. On the 15th snowfall was moderate to heavy over the northern portion of the section and light to moderate over the southern portion.

Snow flurries occurred over the section to eastward of the Allegheny Mountains on the 9th, 13th, and 26th, and over the western half of the section on the 18th.

Grains were good to excellent, except affected unfavorably by freezing and thawing in low places of the Allegheny Mountain (Continued on page 10)

TEMPERATURE

The monthly mean for the section, 39.4°, is 2.8° below normal. The highest monthly mean was 43.6° at Crisfield; the lowest, 30.3°, at Mt. Savage Summit. The highest temperature, 74°, occurred at La Plata on the 25th; the lowest, 1°, at Sines on the 1st. The greatest local monthly range was 62° at Oakland and Sines; the least, 42°, at Delaware City and Wilmington. The greatest daily range was 45° at Hancock on the 4th.

PRECIPITATION

The monthly average for the section, 2.02 inches, is 1.55 inches below normal. The greatest monthly amount was 3.79 inches at Princess Anne; the least, 1.05 inches at Chewsville. The greatest 24-hour amount was 1.46 inches at Princess Anne on the

14-15th. The monthly average snowfall for the section, 9.0 inches, is 4.3 inches above normal. The greatest monthly snowfall was 20.7 inches at Friendsville; the least, 0.5 inch over extreme southern Eastern Shore. The average number of days with 0.01 inch or more of precipitation, 8, is 2 below normal.

MISCELLANEOUS PHENOMENA (WITH DATES)

Fogs, light.—4, 8, 10 to 16, 18 to 21, 25, 26. *Fogs, dense.*—8, 13, 15, 18, 19, 20, 25.
Glaze, light.—Northeast portion of section, night 14-15.
Halos, lunar.—19, 24. *Halos, solar.*—10, 22, 24, 30.
Hail, light.—Garrett, southern Baltimore, extreme northern Anne Arundel, Kent (Md.), and northern Queen Annes Counties, 25. *Princess Anne.*—First robin, 13; plum trees in bloom, 12.
Sleet, light.—Eastern half of section, 13, 14, 15; Chewsville, 18; Sines, night 25.
Sundogs.—Annapolis, 23; Ferry Landing, 28. *Geese, wild, flying north.*—Clear Spring, 11, 20, 22; Ferry Landing, 10. *Winds, high.*—Southeast, 20, westerly, 6, 9, 16, 17, 19, 21, 25, 26, 27, 28, 29.

PRESSURE, HUMIDITY, SUNSHINE, WIND, DEGREE DAY

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	8 a. m.	Local n n	8 p. m.		
Aberdeen, Md.	30.45	3	29.46	25	11.6	38	nw.	16	69	...	63	...	786
Annapolis, Md.	30.47	3	29.46	25	9.7	...	...	...	67	55	64	60	736
Baltimore, Md.	30.46	3	29.47	25	11.6	36	sw.	17	63	47	53	68	718
Edgewood, Md.	30.46	3	29.46	25	...	30	nw.	29	...	...	...	...	811
Elkins, W. Va.	30.47	3	29.49	25	7.9	29	w.	25	81	60	63	52	923
Harrisburg, Pa.	30.46	3	29.51	25	9.5	28	nw.	16	63	52	55	56	849
Norfolk, Va.	30.49	3	29.51	25	10.5	32	w.	16	74	53	62	69	577
Philadelphia, Pa.	30.48	3	29.51	25	13.3	31	nw.	26	62	49	51	57	818
Pittsburgh, Pa.	30.43	3	29.40	24	12.9	41	sw.	20	80	65	65	54	879
Washington, D. C.	30.47	3	29.42	25	9.1	30	nw.	26	68	47	50	64	711

COMPARATIVE DATA FOR MARCH

Year	FOR MARYLAND						FOR DELAWARE					
	Temperature			Precipitation			Temperature			Precipitation		
	Mean	Highest	Lowest	Average	Average snowfall	No. of days with 0.1 in. or more.	Mean	Highest	Lowest	Average	Average snowfall	No. of days with 0.1 in. or more
1895.	39.8	74	-7	2.94	3.5	9	40.9	69	19	3.61	1.2	9
1896.	36.4	72	-13	4.26	14.6	9	38.2	74	12	4.74	3.8	10
1897.	44.4	82	12	2.93	0.7	10	44.5	80	20	2.72	T.	8
1898.	47.5	84	7	3.80	3.0	11	48.2	78	22	2.67	1.0	9
1899.	40.9	77	1	4.79	3.7	11	42.0	72	20	5.32	3.4	11
1900.	37.3	74	-8	3.23	13.2	9	38.4	69	6	3.72	6.0	10
1901.	42.6	81	-9	3.50	1.9	9	42.7	74	8	3.60	0.6	7
1902.	44.7	80	3	3.92	10.5	10	46.2	75	16	3.74	3.5	10
1903.	49.2	85	15	5.12	0.2	10	49.9	79	23	6.10	0.0	9
1904.	41.2	87	5	2.99	2.0	10	41.2	74	17	3.42	1.4	10
1905.	45.4	88	-15	3.16	2.2	10	44.4	83	11	3.12	0.6	11
1906.	36.7	68	-8	4.89	11.3	13	38.5	63	14	6.11	4.3	13
1907.	46.1	93	2	3.30	6.5	9	46.1	88	16	2.99	4.8	9
1908.	45.7	85	11	3.16	0.6	10	47.6	83	22	1.74	0.8	9
1909.	40.2	80	9	3.69	7.6	11	41.8	75	17	3.82	2.5	10
1910.	49.0	89	14	1.11	2.1	5	49.3	86	22	2.58	3.0	5
1911.	39.8	77	-5	2.56	9.3	12	40.6	74	6	3.10	7.0	10
1912.	39.5	78	-7	6.69	7.7	13	41.1	72	16	7.16	7.9	12
1913.	47.2	83	-6	4.56	0.7	10	49.1	80	13	3.86	T.	10
1914.	37.8	80	-14	2.40	15.4	10	38.6	75	4	3.02	18.5	10
1915.	36.6	64	3	1.14	4.4	5	38.8	62	19	1.26	1.7	8
1916.	35.9	78	-3	3.88	4.5	10	35.9	69	8	3.51	5.8	10
1917.	41.1	82	-5	5.34	10.2	13	41.7	76	17	6.26	0.9	13
1918.	45.6	84	8	3.61	0.1	9	44.8	80	17	3.48	T.	9
1919.	45.8	76	14	3.87	0.6	10	46.4	78	24	4.63	0.1	9
1920.	43.2	85	-1	3.00	2.7	9	53.6	75	11	3.86	1.7	10
1921.	53.6	91	14	2.38	T.	11	54.6	88	23	2.91	0.5	11
1922.	44.2	80	11	4.70	2.2	13	45.0	76	19	4.48	0.2	12
1923.	43.3	82	-6	4.23	5.8	11	44.0	80	13	5.60	4.5	12
1924.	40.7	77	-11	4.98	12.2	10	41.7	76	22	5.34	1.7	10
1925.	44.8	82	-3	2.25	0.4	9	46.6	79	9	2.28	T.	8
1926.	38.0	80	-8	2.21	2.1	10	39.3	80	10	2.90	0.5	9
1927.	45.4	84	10	1.72	0.1	9	45.6	82	18	1.32	T.	10
1928.	41.7	83	7	2.97	7.0	10	42.2	82	14	2.81	0.6	11
1929.	48.0	86	4	3.14	1.3	10	49.7	81	11	3.39	T.	11
1930.	42.2	77	4	2.16	1.6	7	48.7	76	18	3.00	T.	7
1931.	39.1	65	-4	4.28	7.4	13	40.6	64	25	5.24	7.4	12
1932.	38.2	75	-4	5.70	5.7	10	40.1	70	12	6.46	1.8	10
1933.	40.1	79	0	4.40	3.2	13	41.8	80	16	3.15	1.2	13
1934.	35.7	78	-10	4.35	11.7	14	40.1	75	6	5.26	13.4	14
1935.	47.6	86	10	2.99	1.8	14	47.9	77	19	3.25	0.4	13
1936.	47.0	83	15	5.87	3.0	12	48.9	76	20	5.60	T.	12
1937.	39.4	74	1	1.96	9.7	8	39.8	69	15	2.56	3.5	9
Period.	42.2	93	-15	3.54	4.9	10	42.8	88	4	3.73	2.7	10

Climatological Data for March 1937

Table with columns: STATIONS, COUNTIES, Elevation, Length of record, Temperature (Mean, Departure from normal, Highest, Date, Lowest, Date, Greatest daily range), Precipitation (Total, Departure from normal, Greatest in 24 hours, 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. Data in italics determined from surrounding stations. T. Precipitation is less than 0.01 inch rain or melted snow.
†Post addresses of these stations are as follows: Of Bell, Glendale; of Coleman, Worton; of Fallston, Bagley; of Ferry Landing, Owings; of Great Falls, Bethesda; of Mt. Savage Summit, Frostburg; of Picardy, Paw Paw, W. Va.; of Pleasant Hill, Owings Mills; of Sines, Oakland. *Custom House, Gay and Water Sts. **Weather Bureau Building, 24th and M Sts. †Also on other dates. §Northwest of Frostburg. §§Prettyboy Dam. §§§Municipal Building. §§§§Porter Reservoir.

(Continued from front page)
region. Pastures were fair. Tree fruit buds, swelling or swollen, were held back by the cold. Stripping tobacco, cutting wood, hauling manure, pruning, spraying, making tobacco beds, and plowing were in progress. Some peas, some early potatoes, and some truck crops were planted over the southern portion of the section during the third decade. - J. B., jr.

Daily Precipitation for March 1937

Table with columns for Stations, Drainage basin, Day of month (1-31), and Total. Rows list various locations in Maryland and Delaware with their respective precipitation amounts for each day.

Except as otherwise indicated, observations are generally made late in afternoon, near sunset, and precipitation recorded is for the 24 hours ending at time of observation.
***Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.
**Precipitation is for 24-hour period, midnight to midnight.
|||Precipitation measured in the morning; amount then recorded is for the preceding 24 hours.
T. Trace, or less than 0.01 inch.
§Northwest of Frostburg. §§Prettyboy Dam. §§§Municipal Building. §§§§Porter Reservoir. *Precipitation included in following measurement.

Daily Temperatures for March 1937

Table with columns for Stations, Day of month (1-31), and Mean. Rows list various locations in Delaware and the District of Columbia with their maximum and minimum temperatures for each day.

Daily Temperatures for March 1937-Continued

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

§§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, Chestertown, Conowingo Dam, Dundalk, Edgewood, Sines, and Washington are from midnight to midnight; other stations, except Cheltenham and Cumberland, are for 24-hour period ending late in afternoon, near sunset. (WBO, Richmond, Va., 5-27-37-1,000)