

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 was a cold, unusually cloudy, and very snowy December. It was 5.4° colder than normal, and the coldest December since 1917. The lowest temperature of the month, -22°, was the second lowest of record in December, and the lowest since 1917. Monthly precipitation was below normal. Monthly snowfall was heavy, and the greatest of record in December since 1904. During the first half of the month precipitation was mostly rain, except rain and snow in western Maryland and in the northern Blue Ridge Mountain region; during the second half the precipitation was snow. The number of clear days was the least of record in December. The features of the month were the severe cold of the 21th-31st, the high snow drifts on the central and southern Eastern Shore caused by the strong northwest winds of the 26-27th, and the general heavy snow-storm of the 29-30th.

Cold weather during the first week was followed by a mild period from the 8th to the 19th. The mean temperature of the 20th-31st was about 15° colder than normal, except about 20° colder than normal in the Allegheny Mountain region.

Monthly sunshine was about 10 per cent below normal. Relative humidity averaged about 5 per cent below normal.

Monthly precipitation was below normal with totals mostly between 2 and 3 inches, except above normal with totals 3 to 5.5 inches in the Allegheny Mountain region. The average for the section was four-fifths of normal.

Monthly snowfall totaled mostly between 10 and 15 inches, except 15 to 20 inches over the central and southern Eastern Shore and from 11 inches at the eastern foothills to between 30 and 40 inches in the highlands of the Allegheny Mountain region. The average for the section was slightly more than three times the normal.

Snowfalls were light, except moderate over extreme southern Maryland and locally over the northern Eastern Shore during night of the 25-26th, and heavy in the Allegheny Mountain region on the 20th, over the central and southern Eastern Shore during night of the 22-23d, and over the entire section on the 29-30th.

The Allegheny Mountain region was snow-covered throughout the month (heavily on and after the 20th), except on the 8-9-10th and 14-15th. Eastward thereof to Chesapeake Bay the ground became snow-covered on the 22d and on the Eastern Shore during night of the 22-23d; the snow-cover continued to the close of the month.

Grains were good to excellent; grasses and pastures were good. Their growth was checked during the first week. They made good growth and were nicely green during the second and third weeks. They were snow-covered during the severe cold of the third decade. - J. B., jr.

TEMPERATURE

The monthly mean for the section, 30.0°, is 5.4° below normal. The highest monthly mean was 34.9° at Crisfield; the lowest, 21.4° at Sines. The highest temperature, 66°, occurred at Ferry Landing on the 9th; the lowest, 22° below zero at Oakland on the 22d. The greatest local monthly range was 73° at Oakland; the least, 51°, at Wilmington. The greatest daily range was 36° at Oakland on the 31st.

PRECIPITATION

The monthly average for the section, 2.50 inches, is 0.65 inch below normal. The greatest monthly amount was 5.45 inches

at Friendsville; the least, 1.43 inches at Frostburg. The greatest 24-hour amount was 1.13 inches at Milford on the 29-30th. The monthly average snowfall for the section, 14.4 inches, is 9.8 inches above normal. The greatest monthly snowfall was 37.5 inches at Friendsville; the least, 8.0 inches at College Park. The average number of days with .01 inch or more of precipitation, 13, is 4 above normal.

MISCELLANEOUS PHENOMENA (WITH DATES)

Fogs, light.—1, 8 to 16, 19, 20, 22 to 26. Fogs, dense.—8, 9, 13, 14, 15.
 Coronae, lunar.—Coleman, 1; Dundalk, 12. Halos, Lunar —3, 9, 31. Solar.—12, 28, 31.
 Sleet, light.—7, 11, 13, 15. Thunderstorm.—Garrett County, 15.
 Winds, high.—Northeast, 11, 13. Northwest, 4, 5, 16, 20, 21, 26, 27.

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.	30.08	30.75	6	29.62	20	11.3	42	nw.	26	75	86	70	..
Annapolis, Md.	30.07	30.71	6	29.61	20	9.3	.....	.....	26	75	86	71	..
Baltimore, Md.	30.07	30.72	7	29.62	20	11.7	35	nw.	25	69	59	66	45
Elkins, W. Va.	30.15	30.66	6	29.69	15	7.3	30	w.	25	84	76	81	19
Harrisburg, Pa.	30.06	30.71	6	29.62	20	8.5	24	w.	21	70	62	63	39
Norfolk, Va.	30.09	30.72	6	29.65	20	11.0	37	w.	26	74	60	66	46
Philadelphia, Pa.	30.06	30.74	7	29.64	20	12.9	35	nw.	4	67	56	61	39
Pittsburgh, Pa.	30.07	30.61	6	29.63	15	11.4	39	sw.	25	89	82	88	25
Washington, D. C.	30.10	30.72	6	29.66	20	8.6	26	nw.	26	70	60	65	36

COMPARATIVE DATA FOR MARYLAND AND DELAWARE FOR DECEMBER

Year	Temperature				Precipitation				Number of days				
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average snowfall	With 0.1 in. or more precipita'n	Clear	Partly cly	Cloudy
1895....	37.6	+2.2	70	-7	2.49	-0.66	3.75	1.50	2.4	8	11	9	11
1896....	34.0	-1.4	70	-2	0.84	-2.31	2.71	0.11	4.3	4	15	9	7
1897....	36.9	+1.5	74	-4	3.57	+0.42	6.38	1.96	2.5	10	11	10	10
1898....	34.2	-1.2	70	-20	3.60	+0.45	6.26	1.85	4.5	8	15	6	10
1899....	35.4	0.0	69	-6	1.86	-1.29	4.4	0.80	2.1	7	17	8	8
1900....	34.4	-1.0	68	-2	2.43	-0.72	4.10	1.51	2.2	5	15	8	8
1901....	32.7	-2.7	74	-15	6.74	+3.59	11.18	4.15	1.4	10	13	7	11
1902....	33.3	-2.1	70	-4	6.00	+2.85	8.63	3.07	6.8	12	11	8	12
1903....	30.2	-5.2	60	-9	2.46	-0.69	4.52	0.32	5.1	7	15	8	8
1904....	29.6	-5.8	66	-11	3.50	+0.35	6.19	1.63	15.6	9	11	7	13
1905....	36.6	+1.2	64	-2	4.36	+1.21	6.21	2.41	4.0	8	14	8	9
1906....	35.7	+0.3	72	0	4.11	+0.96	7.16	1.84	1.1	10	8	8	14
1907....	37.4	+2.0	76	-7	4.19	+1.04	5.86	2.04	4.4	9	14	8	9
1908....	38.1	+0.7	71	-1	3.32	+0.17	5.49	1.25	7.8	9	12	8	11
1909....	30.7	-4.7	69	-5	3.64	+0.49	5.63	1.72	10.9	7	15	9	7
1910....	28.5	-6.9	65	-15	2.42	-0.73	4.13	0.90	11.5	7	12	9	10
1911....	40.0	+4.6	76	7	3.66	+0.51	6.12	1.76	1.0	10	9	13	9
1912....	38.5	+3.1	75	-10	3.94	+0.79	5.25	1.81	7.2	9	13	9	9
1913....	39.0	+3.6	72	-1	2.43	-0.72	3.36	1.43	0.9	6	13	8	10
1914....	31.9	-3.5	68	-21	4.63	+1.48	8.16	1.82	5.1	14	8	6	17
1915....	33.1	-2.3	73	-6	3.16	+0.01	4.86	1.70	5.0	7	11	11	9
1916....	33.5	-1.9	76	-3	3.74	+0.59	5.51	0.85	9.6	11	14	9	8
1917....	26.7	-8.7	59	-32	1.69	-1.46	3.32	0.57	8.9	8	12	7	12
1918....	40.4	+5.0	71	-7	4.23	+1.08	5.43	2.51	0.3	10	10	8	13
1919....	30.6	-4.8	70	-17	2.96	-0.19	4.34	1.47	6.0	11	12	8	11
1920....	37.5	+2.1	71	-5	3.43	+0.28	4.62	1.95	1.5	8	9	9	13
1921....	36.2	+0.8	73	0	3.51	-0.64	5.30	1.65	3.3	10	11	8	12
1922....	36.3	+0.9	71	3	3.84	+0.69	7.72	2.32	2.9	10	9	8	14
1923....	43.7	+8.3	72	-2	3.52	+0.37	6.17	1.47	1.8	11	13	7	11
1924....	35.2	-0.2	76	-4	2.36	-0.79	3.36	1.07	0.3	8	9	10	12
1925....	35.4	0.0	64	-7	1.90	-1.25	4.22	0.90	0.8	9	12	7	12
1926....	32.1	-3.3	62	-16	3.19	+0.04	5.73	2.16	2.2	12	9	6	16
1927....	37.3	+1.9	73	0	3.78	+0.63	8.20	1.62	2.2	12	12	5	14
1928....	36.9	+1.5	63	0	1.63	-1.52	2.94	0.83	3.0	7	15	6	10
1929....	36.9	+1.5	75	-6	2.45	-0.70	3.84	1.21	3.8	9	11	6	14
1930....	33.4	-2.0	62	-17	2.00	-0.55	4.35	1.59	5.4	9	8	9	14
1931....	42.8	+7.4	72	-9	2.45	-0.70	5.04	1.76	0.6	8	10	9	12
1932....	37.7	+2.3	73	-6	3.30	+0.15	5.12	1.30	12.2	13	9	9	13
1933....	36.5	+1.1	73	-10	3.00	-0.15	4.80	1.58	5.7	10	10	8	13
1934....	35.2	-0.2	71	-16	2.75	-0.40	4.71	1.59	1.4	8	8	11	12
1935....	30.0	-5.4	66	-22	2.50	-0.65	5.45	1.43	14.4	13	7	10	14
Period.	35.4	.....	76	-32	3.15	.....	11.18	0.11	4.6	9	12	8	11

Daily Precipitation for December, 1935

Table with columns for Stations, Drainage basin, Day of month (1-31), and Total. Rows include stations from Maryland, District of Columbia, and Delaware.

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.
§§§Prettyboy Dam §§§Municipal Building. §§§§Porter Reservoir. *Precipitation included in following measurement.

Daily Temperatures for December, 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, Dundalk, Sines, and Washington are from midnight to midnight; other stations, except Cumberland and Cheltenham, are for 24-hour period ending late in afternoon, near sunset.

(W. B., Richmond, Va., 2-11-36-95)