

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CHARLES F. MARVIN, Chief

In Cooperation with Maryland State Weather Service

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE SECTION

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GENERAL SUMMARY

For the section, as a whole, November was but slightly milder than normal. Monthly mean temperatures were mostly 1° to 2° above normal, except about 1° below normal in the Allegheny Mountain and Chesapeake Bay regions. The outstanding temperature feature was the cold wave of the 27-29th.

While the monthly average rainfall was markedly deficient, being one-half of normal, the weather of the month was not typical of autumn. Instead of an abundance of bright, sunny days there was an excess of cloudiness and the number of rainy days was greater than normal. The number of cloudy days averaged 14. The average rainfall of 1.28 inches was one and one-half times as great as in the preceding month of October, which had the least average rainfall of any month this year. November was the fifth consecutive month of this year's drought.

Monthly sunshine was about 10 per cent below normal. Relative humidity averaged normal. Rainfall was frequent, but mostly light in amount; it came mainly during the second decade. Notable periods of clear sky and abundant sunshine were 6-10th and 27-29th. The 11-19th was an unusually long period of overcast sky and absence of sunshine, with light rain and light or dense fog and a prevalence of light northeast and southeast winds. The dense fog interfered with fishing, oystering, and shipping on Chesapeake Bay and with air transportation and delayed land transportation. Strong northwest winds were rather frequent, but not damaging.

Cold weather from the 1st to the 8th was interrupted by mild temperatures on the 4th and 5th. A warm spell set in on the 9th and continued until the 24th, with a mean temperature 9° to 10° above normal for the 16-day period. Colder weather followed on the 25th and 26th, developing into a severe cold wave from the 27th to the 29th. The 30th was much warmer.

The cold wave of the 27-29th produced the coldest weather of record for so early in the winter season. The mean temperature of the period was 17° to 20° below normal. Minimum temperatures on the 29th were 0° to 5° in western Maryland, except 0° to 5° below zero on the eastern slope and 5° to 16° below in the highlands of the Allegheny Mountain region; were between 0° and 10° in north-central Maryland and between 5° and 10° generally in southern Maryland and on the Eastern Shore, except 10° to 17° in the Chesapeake Bay region. These temperatures were 3° to 10° lower, except 10° to 15° lower in the Allegheny Mountain region, than the preceding lowest temperatures recorded in any November. Ice formed on ponds and lakes and skating at an unusually early date was enjoyed; ice also formed on streams in the northern portion of the section.

Monthly amounts of rainfall were between 1 and 2 inches, except less than 1 inch in central and eastern Allegany County, in eastern Washington County, in Howard, Montgomery, Prince Georges, and Charles Counties, and the District of Columbia, and between 2 and 3 inches in eastern Kent and eastern Sussex Counties in Delaware.

Rain was moderate on the 4th on the Eastern Shore and in the southern Chesapeake Bay region; also on the 14th over the

eastern half of the Eastern Shore, except moderate to heavy in central and southern Delaware.

Rainfall averaged 46 per cent of normal in western Maryland, 45 per cent in north-central Maryland, 44 per cent in southern Maryland, and 58 per cent on the Eastern Shore.

The total average rainfall for the section for the five months, July to November, inclusive, was 6.27 inches, or 36 per cent of normal.

In the Allegheny Mountain region light snow fell at night on the 24-25th and on the 27th; on the 26th there was a moderate fall in this district, with a light fall extending eastward across Allegany County into central Washington County. Flurries occurred in the early morning of the 25th over the section to eastward of the Allegheny Mountain region and on the 26th to eastward of central Washington County.

Winter grains responded wonderfully to the warm spell of the 9-24th and the light rains of the 11-19th and became fair to good, while pastures and meadows revived and greened fairly well, and late-sown grain germinated. Activities were sowing grains during the first two decades in the southern portion of the section, husking and cribbing corn, digging late potatoes and sweet potatoes, stripping tobacco, cutting, sawing, and hauling wood, hauling fodder and manure, butchering, and caring for livestock. The Allegheny Mountain region was snow-covered from the 25th to the 30th. The general water supply was very low, and wells became dry in some localities.—J. B., jr.

PRESSURE

The monthly mean sea-level pressure at Washington, D. C., and Aberdeen was 30.20; at Baltimore, 30.19 inches. The highest at Washington, D. C., was 30.84; at Baltimore, 30.83; at Aberdeen, 30.82 inches—all on the 29th. The lowest at Washington, D. C., was 29.41 inches on the 24th; at Baltimore, 29.38, and at Aberdeen, 29.36 inches—both on the 25th.

TEMPERATURE

The monthly mean for the section, 44.9°, is 0.3° above normal. The highest monthly mean was 49.2° at Crisfield; the lowest, 36.6°, at Sines. The highest, 75°, occurred at Western Port on the 18th; the lowest, -16°, at Oakland on the 29th. The greatest monthly range was 89° at Oakland; the least, 51°, at Solomons. The greatest daily range was 60° at Oakland on the 29th.

PRECIPITATION

The monthly average for the section, 1.28 inches, is 1.26 inches below normal. The greatest monthly amount was 2.72 inches at Millsboro; the least, 0.48 inch, at Chewsville. The greatest 24-hour amount was 1.79 inches at Millsboro on the 14th. The monthly average snowfall for the section, 0.8 inch, is 0.3 inch below normal. The greatest monthly snowfall was 8.5 inches at Oakland and Sines. The number of days with 0.01 inch or more of precipitation, 9, is 2 above normal.

RELATIVE HUMIDITY

The average percentages were: Washington, D. C., 8 a. m., 76; 12 noon, 59; 8 p. m., 63. Baltimore, Md., 8 a. m., 75; 12 noon, 61; 8 p. m., 65. Aberdeen, Md., 8 a. m., 84; 4 p. m., 65. Philadelphia, Pa., 8 a. m., 71; 12 noon, 62; 8 p. m., 65.

WIND

(By 3-cup anemometer, except 4-cup at Aberdeen, Md.)

The prevailing direction for the section was northwest. The total movement at Washington, D. C., was 3,798; at Baltimore,

(Continued on page 42)

Climatological Data for November, 1930

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				Number of days				Prevailing direction of wind	Observers	
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	With precip., 0.01 inch or more	Clear	Partly cloudy			Cloudy
Maryland																				
Aberdeen	Harford	80	12	44.0	-0.9	67	17	8	29	39	1.51	-0.94	0.43	T.	12	10	6	14	ne.	U. S. Army.
Annapolis	Anne Arundel	45	65	46.2	+0.6	65	10	13	29	33	1.23	-1.70	0.35	T.	10	11	3	16	sw.	Louis E. Foster.
Baltimore*	Baltimore	115	60	47.5	+1.2	73	9	17	28	36	1.13	-1.43	0.23	T.	11	11	4	15	sw.	U. S. Weather Bureau.
Bell II	Prince Georges	151	10	43.2	-1.6	70	9	1	29	48	0.94	-1.83	0.26	T.	10	11	3	16	nw.	Bureau Plant Industry.
Boys	Montgomery	424	11	44.0	-0.9	73	9	3	29	52	0.78	-1.64	0.20	T.	9	12	2	16	s.	Ralph F. Staley.
Cambridge (near)	Dorchester	25	37	47.6	+0.2	70	17	8	29	34	1.55	-1.14	0.80	T.	9	11	4	15	nw.	Matt Harding.
Cecilton	Cecil	85	12	46.7	-0.8	69	17	9	29	35	1.01	-1.69	0.33	T.	11	13	3	14	sw.	James Reese Short.
Cheltenham	Prince Georges	230	30	46.0	+0.6	71	9	5	29	39	0.92	-1.50	0.18	T.	11	10	6	14	nw.	Geo. Hartnell.
Cheswille	Washington	530	33	42.8	+0.2	69	19	1	29	40	0.48	-1.47	0.20	T.	6	11	7	12	w.	D. Paul Oswald.
Clear Spring	do	600	33	44.2	+1.8	68	18	5	29	44	1.40	-0.72	0.78	0.5	9	12	6	12	sw.	Mrs. Leo A. Cohill.
Coleman II	Kent	80	33	46.1	-0.1	69	9	13	29	33	1.12	-1.40	0.26	T.	8	11	5	14	nw.	Walter B. Harris.
College Park	Prince Georges	87	44	44.9	+0.5	72	9	3	29	49	0.77	-1.75	0.20	T.	12	10	4	16	sw.	Prof. Thos. A. White.
Crisfield	Somerset	5	11	49.2	-0.9	69	17	15	29	32	1.31	-1.45	0.35	T.	8	10	9	11	nw.	A. B. Cochran.
Cumberland	Allegany	623	58	44.2	+1.8	74	18	5	29	47	0.73	-1.41	0.33	2.0	8	12	8	10	.....	Harvey H. Weiss.
Darlington	Harford	300	40	43.4	-0.2	71	9	6	29	46	2.06	-0.67	0.56	T.	10	11	4	15	sw.	Fred. C. Jones.
Easton	Talbot	35	40	47.0	+0.7	72	15	10	29	37	1.50	-1.10	0.50	T.	12	12	3	15	sw.	Clement E. Bray.
Elkton	Cecil	28	4	43.8	.....	68	9	7	29	40	1.30	.....	0.38	T.	11	14	2	14	w.	H. W. Bouchelle.
Emmitsburg	Frederick	720	62	44.1	+1.1	67	9	9	29	35	1.35	-1.90	0.49	T.	6	11	5	14	w.	Mt. St. Mary's College.
Fallston II	Harford	450	61	44.3	+0.9	70	9	9	29	39	1.51	-1.66	0.32	T.	11	11	4	15	nw.	Miss Dora Curtiss.
Ferry Landing II	Calvert	110	14	45.6	-0.9	70	9	8	29	38	1.48	-1.45	0.45	T.	9	10	5	15	sw.	Thos. J. Bourne.
Frederick	Frederick	275	56	45.8	+1.8	71	19	8	29	40	1.08	-1.40	0.28	T.	7	12	6	12	nw.	A. T. Brust.
Friendsville	Garrett	1,501	12	39.7	-1.0	70	21	-8	29	51	1.40	-1.80	0.42	4.0	8	8	5	17	.....	Joab J. Friend.
Frostburg	Allegany	1,929	29	41.2	-0.6	73	18	-1	29	35	1.41	-1.03	0.58	3.5	10	11	6	13	w.	T. F. Lewis.
Grantsville	Garrett	2,351	37	38.1	-0.8	70	21	-11	29	52	1.43	-1.22	0.30	7.1	13	6	9	15	w.	Floyd J. Miller.
Great Falls II	Montgomery	200	41	44.0	+0.1	71	9	2	29	50	0.75	-1.46	0.16	T.	10	10	4	16	nw.	Chas. E. Sullivan.
Hancock (Tonoloway)	Washington	455	20	42.8	-0.5	71	18	-3	29	51	1.08	-1.04	0.69	1.0	8	12	6	12	.....	American Fruit Growers.
Keedysville	do	400	26	45.4	+1.7	70	9	5	29	42	0.84	-1.09	0.44	T.	6	13	6	11	s.	J. A. Miller.
Laurel	Prince Georges	320	36	45.0	+0.6	72	9	6	29	43	0.84	-1.60	0.22	T.	12	12	2	16	.....	Evan G. Chaney.
Lutherville	Baltimore	340	4	43.8	.....	72	9	5	29	49	1.57	0.40	T.	12	12	3	15	sw.	August W. Clark, P. M.	
Maryland Line	do	840	6	43.4	.....	67	9	8	29	34	1.68	0.40	T.	11	13	2	15	w.	Chester L. Fulton.	
Mechanicsville	St. Marys	165	4	.....	.....	70	17	8	29	39	1.29	0.66	T.	7	10	4	16	sw.	Zach S. Graves.	
Millington	Kent	27	33	46.2	+1.0	70	17	8	29	39	1.29	-1.28	0.30	T.	9	13	3	14	w.	Henry L. Hignman.
Newburg	Charles	110	5	47.2	.....	70	19	6	29	39	0.99	0.32	T.	6	10	4	16	sw.	John P. Burdette.	
Oakland	Garrett	2,461	31	37.4	-0.5	73	21	-16	29	60	1.34	-1.34	0.45	8.5	8	10	6	14	w.	R. E. Weber.
Picardy	Allegany	900	4	41.8	.....	67	18	1	29	44	0.80	0.26	1.5	7	12	8	10	w.	American Fruit Growers.	
Pleasant Hill II	Baltimore	660	6	.....	.....	.....	.....	.....	.....	.....	1.15	0.35	T.	9	13	2	15	nw.	J. E. Henry.	
Pocomoke City	Worcester	37	25	.....	.....	.....	.....	.....	.....	.....	1.45	-0.96	0.60	T.	7	10	9	11	.....	Wm. H. Dryden.
Princess Anne	Somerset	17	55	46.8	-0.5	71	17	8	29	41	1.40	-1.02	0.52	T.	9	11	10	9	nw.	James R. Stewart.
Public Landing II	Worcester	10	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Ralph Harris.
Ridgely	Caroline	57	9	47.0	+1.2	69	17	9	29	37	1.50	-1.08	0.55	T.	8	11	5	14	nw.	Albert White.
Rock Hall	Kent	25	16	45.6	-0.4	70	17	7	29	37	0.75	-2.09	0.25	T.	6	11	4	15	w.	Charles Judefind.
Salisbury	Wicomico	23	25	48.8	+2.0	72	16	10	29	36	1.64	-1.17	0.75	T.	8	11	7	12	w.	Homestead Dairy Farms.
Sines (Deep Creek)	Garrett	2,040	3	36.6	.....	65	21	-8	29	47	1.02	0.34	8.5	9	7	6	17	.....	C. E. MacMurray.	
Solomons	Calvert	20	39	47.2	-1.4	67	10	16	28	29	0.76	-1.24	0.28	T.	8	10	5	15	nw.	Dr. W. H. Marsh.
State Sanatorium	Frederick	1,460	22	43.8	+0.9	66	18	7	28	27	0.99	-1.39	0.29	T.	8	10	6	14	.....	Dr. V. F. Cullen.
Stevensville	Queen Annes	12	4	47.6	.....	71	15	15	29	33	1.42	0.31	T.	12	12	3	15	s.	T. R. Price.	
Takoma	Montgomery	320	32	45.3	+0.8	69	10	10	28	35	1.01	-1.11	0.54	T.	9	10	3	17	.....	L. M. Mooers.
Towson	Baltimore	465	18	.....	.....	.....	.....	.....	.....	.....	1.40	-0.81	0.42	T.	10	11	4	15	.....	Metropolitan District.
Western Port	Allegany	1,000	37	42.7	-0.1	75	18	-2	29	52	1.23	-0.61	0.45	5.5	9	10	3	15	.....	Norris Bruce.
Westminster	Carroll	770	21	44.6	0.0	69	19	7	29	35	1.11	-1.70	0.25	0.2	11	13	2	15	.....	Prof. S. P. Caltrider.
Woodstock	Baltimore	415	60	43.6	+0.4	69	19	3	29	46	0.90	-1.88	0.27	T.	10	13	2	15	nw.	Woodstock College.
Dist. of Columbia																				
Washington**	.....	112	60	46.7	+1.5	71	10	14	29	37	0.79	-1.58	0.28	T.	12	10	3	17	nw.	U. S. Weather Bureau.
Delaware																				
Bridgeville	Sussex	45	7	47.5	+1.4	71	17	10	29	37	1.71	-0.87	0.75	T.	9	10	8	12	nw.	George Ray.
Delaware City	New Castle	12	44	46.6	+0.9	67	13	12	29	33	1.45	-0.69	0.85	T.	9	13	3	14	nw.	James E. Maden.
Dover	Kent	34	41	46.8	+1.3	70	17	12	29	35	2.04	-1.11	0.97	T.	12	12	4	14	nw.	Arthur G. Livingston.
Millford	Sussex	20	48	47.0	-0.2	70	17	8	29	36	2.56	-0.46	1.50	T.	9	10	7	13	nw.	Chas. J. Holzmuller.
Millsboro	do	20	38	47.5	+1.1	74	17	10	29	37	2.72	+0.09	1.79	T.	8	11	7	12	nw.	Rev. M. P. S. Huntington.
Wilmington	New Castle	86	37	45.2	-0.1	65	17	11	29	28	1.73	-1.09	0.48	T.	10	13	3	14	nw.	Street and Water Depts.
Means and extremes:																				
For Maryland and District of Columbia.				44.6	+0.2	75	18	-16	29	60	1.19	-1.31	0.80	0.8	9	11	5	14	nw.	.....
For Delaware				46.8	+0.8	74	17	8	29	37	2.04	-0.68	1.79	T.	9	12	5	13	nw.	.....
For entire section				44.9	+0.3	75	18	-16	29	60	1.28	-1.26	1.79	0.8	9	11	5	14	nw.	.....

The departures from normal temperature and precipitation are computed only for such stations as have 10 or more years of record, but all complete reports are used in determining section or division means. Data in italics determined from surrounding sections. T. Precipitation is less than 0.01 inch rain or melted snow.

Reference letters, a, b, c, appearing in the table indicate number of days missing: For example, b represents two days, etc.
 ** Post office addresses of these stations are as follows: Of Bell, Glendale; of Coleman, Worton; of Fallston, Bagley; of Great Falls, Bethesda; of Pleasant Hill, Owings Mills; of Public Landing, Snow Hill. *Also on other dates. *Custom House, Gay and Water Streets. **Weather Bureau Building, 24th and M Streets.

(Continued from page 41)

6,234; at Aberdeen, 4,627 miles. The maximum velocity at Washington, D. C., was 28 miles from the northwest on the 5th and 27th; at Baltimore, 35 miles from the west on the 27th; at Aberdeen, 30 miles from the northwest on the 6th and from the west on the 25th, 27th, and 28th.

SUNSHINE AND CLOUDINESS

At Washington, D. C., 41 per cent of the possible sunshine was recorded; at Baltimore, 49 per cent; at Aberdeen, 48 per cent. For the whole section the average number of clear days was 11; partly cloudy, 5; cloudy, 14.

MISCELLANEOUS PHENOMENA (WITH DATES)

Fogs, dense.—Over section, 13 to 18, 21-22; Aberdeen and Ferry Landing, 30.

Gale, whole.—Northeast, on coast, 4, producing high tide.

Rainbow.—Grantsville, 15.

Sleet, light.—Sines, 24; Western Port, 30.

Thunderstorm.—Aberdeen, 17.

Winds, high.—Westerly, mostly northwest, 1, 5, 6, 25, 26, 27, 28; northeast, 4 (gale on coast).

Daily Precipitation for November, 1930.

Stations	Watersheds	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Maryland																																	
Aberdeen**	Atlantic				.07	.08						T.	T.	.12	.43	.04	.22	.06	.08				.02	T.			.11	.07	T.			.21	1.51
Annapolis.	do				.18	.35						T.	T.	.03	.13	.05	.22	.07	.07			T.				.09	.09	T.			.04	1.23	
Baltimore***	do			T.	.21	.02						T.	T.	.06	.14	.17	.03	.16	T.	.01	T.		T.			.11	.01	T.			.21	1.13	
Bell	do				.26	.06						T.	T.	.05	T.	.14	.02	.19	.04	.03	T.		T.			.06	T.	T.			.09	0.94	
Boys.	do				.05	.19						T.	T.	.10	.29	*	.01	.20	.10	.01	T.		T.			.06	T.	T.			.15	0.78	
Cambridge (near)	do				.80	.19								*	.33	.07	.08	.07	.06			T.				.05	T.	T.			T.	1.55	
Cecilton	do	.01			.03	.16								*	.33	.07	.08	.07	.06			T.				.10	T.	T.			.10	1.01	
Cheltenham.	do				.03	.17						T.	T.	.08	.15	.01	.18	.10	.04	T.		T.			.06	T.	.05	T.			.05	0.92	
Chewsville	do				.17	T.						T.	T.	.01	T.	.03	.06	.01	T.	T.		T.			T.	T.	T.	T.			.20	0.48	
Clear Spring	do				.18	.60						.05	.12		T.	.11	.12	T.	T.			T.			.06	T.	.05	T.			.11	1.40	
Coleman	do				*	.23								.08	.26	*	.18	.14	T.			T.				.23	T.				T.	1.12	
College Park	do				.19	.02						T.	T.	.11	.04	.01	.20	.02	.02	.01		T.		.01		.05	T.				.09	0.77	
Crisfield.	do				.35	.26						T.	T.	.05	.30	.15	T.	.08	T.			T.				.08	T.	.10				1.31	
Cumberland|||	do	T.	T.		.33		T.	T.				.01	.02	.08		.02	.11	.11				T.				.04	T.					0.73	
Darlington	do				.13	.10						T.	T.	.10	.56	.10	.20	.10	.10			T.				.22	T.				.45	2.06	
Easton	do				.50	.19		.03						.05	.22	.12	.16	.05	.04			T.				.06	T.	.03			.05	1.50	
Elkton	do				.02	.20								.08	.38	.04	.12	.05	.15			T.				.08	T.	.07			.11	1.30	
Emmitsburg	do				.10	.19						T.	T.	.05	T.	T.	.31	.21	T.			T.				.08	T.	T.			.49	1.35	
Fallston	do		T.		.12	.08						T.	T.	.12	.26	.06	.15	.17	.11			T.				.12	T.	T.			.20	1.51	
Ferry Landing	do				.45	.34								*	.14	T.	.22	.18	.08			T.				.12	T.	.05	T.		.02	1.48	
Frederick	do				.04	.21						T.	T.	.07	T.	T.	.28	.13	.08	T.		T.				T.	T.	T.			.27	1.08	
Friendsville	Ohio.	T.			.18	.10		T.				T.	T.	T.	T.	T.	*	.30								.05	.25	.10			.42	1.40	
Frostburg	Atlantic	T.			.20	.38		.02				T.	T.	.02	T.	.02	.03	.23		.02						.04	.12	.08			.27	1.41	
Grantsville	Ohio.	.02			.18	.11		.02				T.	T.	.16	.03	.03	.23		.02							.15	.30	.24			.09	1.43	
Great Falls|||	Atlantic	T.			.18	.51		T.				T.	T.	T.	.02	T.	.16	.03	.04	.04	T.		.02	T.	T.		T.	T.	.04		.19	1.68	
Hancock (Tonoloway).	do				.03	.41						T.	T.	.02	T.	.16	.03	T.	T.	T.					T.	T.	T.	T.			.19	0.84	
Keedysville	do				*	.18						T.	T.	.14	.06	T.	.22	.01	.03	T.		.01	.02			.04	.04	T.			.09	0.84	
Laurel	do				.18	.22						T.	T.	.15	.15	.04	.22	.08	.09	T.		.02	T.			.09	.10	T.			.23	1.57	
Maryland Line	do				.05	.20						T.	T.	.18	*	*	.20	.18	.40	.05						.18	T.			.24		1.68	
Mechanicsville	do				.66	.35								.07	.04	T.	.09	.16	T.			T.				T.	T.	T.			.03	1.40	
Millington	do				.08	.25								.06	.24	.30	.12	.06	.06			T.				T.	T.	T.			.12	1.29	
Newburg	do				.19	.32								.07	.03	T.	.13	T.	.25			T.				T.	T.	T.			T.	0.99	
Oakland	Ohio.	T.			.18	.08	T.					T.	T.	T.	T.	T.	.05	.13								.22	.45	.03	T.		.20	1.34	
Picardy	Atlantic				.10	.16						T.	T.	T.	T.	T.	.13	.04	.03							T.	T.	T.			.22	0.80	
Pleasant Hill	do				*	.35						T.	T.	.20	.05	.02	.10	.12	T.			.05	T.			T.	T.	T.			.26	1.15	
Pocomoke City	do				.26	T.								.10	.60	.10	.26	T.	T.			T.				.05	.08					1.45	
Princess Anne	do				.52	.15								.03	.38	.08	.05	T.	T.			T.				.05	T.	.03			.11	1.40	
Public Landing	do																																
Ridgely	do				.31	.24								T.	.55	.15	.08	.03	.02			T.				.12	T.				T.	1.50	
Rock Hall	do				.11	.12								T.	.25	.10	.12	.05	T.			T.				T.	T.	T.			T.	0.75	
Salisbury	do				.75	.15						T.	T.	.02	.46	.15	.03	.05	.03			T.				T.	T.	T.			T.	1.64	
Sines**	Ohio.				.13	.02	T.					T.	T.	T.	T.	.02	.02	.20				T.				.04	.03	.16	.08	T.	.34	1.02	
Solomons	Atlantic				.17	.28						T.	T.	.06	.04	.03	.08	.07	T.			T.				.03	T.	T.			T.	0.76	
State Sanatorium	do				.08	.20						T.	T.	.02	.30	.08	.25	.03	.05	.02		.02	T.			T.	T.	T.			.29	0.99	
Stevensville	do				.31	.30								.03	.30	.38	.25	.03	.05	.02		.02	T.			.01	T.	T.			.02	1.42	
Takoma|||	do	T.			.02	.07	T.							.05	.03	.54	.09	.12	.03	T.		T.				.06	T.	T.			.10	1.01	
Towson	do				*	.42	T.							T.	.10	.20	*	.37	.07	T.		T.				T.	.14	T.			.10	1.40	
Western Port	do		T.		.15	.10	T.							.02	.20	.01	.22	.08	T.			T.				T.	.45	.10			.10	1.23	
Westminster	do				.09	.16								T.	.07	.05	T.	.12	.12	.21	.01		.02	T.		.05	T.			.21	1.11		
Woodstock	do				.16	.11								T.	.10	.08	.02	.20	.08	.08	T.		.01	T.		T.	T.	T.			.06	0.90	
District of Columbia																																	
Washington***	Atlantic			.03	.13	.01						T.	.03	.03	.07	.05	.14	.01	T.			T.	T.			.05	.01	T.			.23	0.79	
Delaware																																	
Bridgeville	Atlantic				.30	.12								T.	.75	.30	.05	.11	.02			T.	T.			.04	.02	T.			T.	1.71	
Delaware City	do				*	.30								*	.25	.35	.30	.10	T.			T.				.05	T.			.10	1.45		
Dover	do				.16	.17								.03	.97	.30	.05	.05	.01			.01	T.			.23	.02			.04	2.04		
Milford	do				.22	.27								.02	1.50	.32	.04	.04	T.			T.				.08	T.		.07		T.	2.56	
Millsboro	do				.62	.20								T.	1.79	.07	.01	.01	T.			T.		.01		.01	T.	T.			T.	2.72	
Wilmington.	do				.06	.34								.05	.48	.22	.10	.20	.08			T.				.05	T.				.15	1.73	

Daily Temperatures for November, 1930

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Maryland																																	
Aberdeen	Maximum	49	51	54	50	55	45	46	52	66	64	56	59	58	66	62	61	67	58	54	57	54	59	59	56	44	44	30	27	33	52	52.6	
	Minimum	29	25	30	45	43	30	25	23	27	31	38	43	47	46	53	55	57	57	54	41	41	46	46	35	29	28	18	14	8	24	35.5	
Annapolis	Maximum	50	48	55	51	56	56	46	56	57	65	65	57	59	56	60	59	63	62	57	57	55	59	56	53	42	39	28	36	48	53.5		
	Minimum	37	30	31	46	48	38	25	27	35	32	36	43	50	47	53	54	56	55	49	42	48	52	37	46	36	31	24	17	13	31	39.0	
Baltimore (U. S. W. B.)	Maximum	49	50	55	52	62	45	47	58	73	66	55	59	58	59	62	61	66	65	58	56	56	67	61	56	49	45	31	28	37	47	54.4	
	Minimum	39	33	34	47	45	31	29	31	37	47	43	45	51	52	56	57	59	58	46	45	48	50	42	43	31	31	21	17	18	31	40.6	
Bell	Maximum	48	51	54	48	59	58	47	55	70	68	58	60	58	58	59	59	67	65	57	56	54	62	61	55	46	45	37	24	36	41	53.8	
	Minimum	30	16	18	41	46	36	16	14	22	23	34	37	49	44	54	54	60	59	50	47	34	39	42	29	26	35	25	21	7	1	20	32.6
Boysds	Maximum	48	54	56	48	59	55	45	57	73	70	63	59	59	61	64	60	67	64	62	54	55	66	60	55	48	44	35	26	34	40	54.7	
	Minimum	32	19	20	45	45	32	20	14	21	25	38	41	50	43	54	55	60	58	47	38	35	46	37	24	32	21	19	13	3	22	33.6	
Cambridge (near)	Maximum	54	54	59	55	55	56	42	53	68	69	61	64	68	61	61	63	70	67	59	60	60	62	61	59	53	49	42	29	38	59	57.0	
	Minimum	40	25	25	45	48	39	31	21	39	39	36	45	48	46	54	55	61	58	48	41	45	52	35	35	38	27	26	14	8	25	38.3	
Cecilton	Maximum	47	53	55	50	55	53	45	53	67	63	58	62	64	60	64	64	69	68	59	61	55	58	58	54	53	44	40	29	34	46	54.7	
	Minimum	37	25	27	46	47	35	27	23	32	34	36	42	45	45	55	57	59	53	39	39	43	53	35	34	25	24	15	9	25	36.7		
Cheltenham	Maximum	47	56	54	50	58	55	45	56	71	70	58	61	62	57	61	63	68	65	57	59	56	64	61	57	49	48	38	27	37	46	55.2	
	Minimum	35	22	24	44	48	36	20	24	32	34	37	42	50	47	54	56	62	57	47	40	46	47	31	38	28	22	12	5	26	36.7		
Chewsville	Maximum	45	50	52	51	60	38	43	59	68	67	57	56	55	69	63	62	67	66	56	54	61	64	59	53	48	40	28	23	33	48	53.2	
	Minimum	27	17	23	34	34	28	16	19	38	28	37	47	49	50	53	54	50	49	48	35	33	38	32	22	27	17	9	1	31	32.3		
Clear Spring	Maximum	48	52	57	46	62	53	55	60	61	65	61	59	55	66	61	65	64	68	60	65	62	61	58	54	47	38	34	21	33	46	54.6	
	Minimum	26	18	17	28	43	29	16	16	38	34	39	44	47	50	48	55	57	55	52	36	42	50	42	28	26	24	17	11	5	24	33.9	
Coleman	Maximum	49	54	55	50	53	64	47	55	69	65	56	60	61	55	61	61	67	64	57	58	55	60	60	59	51	45	41	26	35	41	54.1	
	Minimum	37	30	31	45	46	37	27	28	36	40	38	38	47	45	52	56	60	53	47	41	44	51	40	35	34	27	24	16	13	25	38.1	
College Park	Maximum	49	54	55	51	60	58	47	57	72	71	60	60	58	58	61	62	69	68	59	60	55	67	60	59	49	38	26	36	42	55.6		
	Minimum	34	18	20	43	47	36	24	15	23	24	30	38	50	45	56	57	61	58	49	38	42	43	38	25	35	24	22	13	3	17	34.2	
Crisfield	Maximum	51	54	59	60	60	64	45	61	69	66	59	64	67	66	65	64	69	66	61	63	66	63	61	58	55	50	40	31	41	63	57.5	
	Minimum	41	29	32	49	49	40	30	24	37	34	42	46	50	54	54	58	58	55	49	48	51	51	40	36	36	27	22	15	31	31	40.9	
Cumberland	Maximum	45	54	55	52	58	38	48	65	70	68	55	59	59	67	63	62	74	58	53	72	62	64	55	38	40	24	25	35	49	54.5		
	Minimum	36	20	25	30	45	32	24	18	24	28	31	38	45	52	55	55	52	53	46	48	52	41	25	34	22	15	12	5	8	34.0		
Darlington	Maximum	50	51	55	50	55	45	46	57	71	68	56	60	57	56	60	63	65	64	58	62	55	62	59	54	47	42	34	26	33	44	53.4	
	Minimum	30	21	23	43	44	34	24	20	25	35	33	38	42	42	55	55	59	55	34	36	38	44	30	28	26	26	23	13	6	20	33.4	
Easton	Maximum	50	54	57	54	55	60	44	54	69	67	64	67	69	70	72	69	70	65	55	61	58	60	57	58	50	47	35	27	37	58	56.8	
	Minimum	30	25	26	46	48	36	25	24	34	30	36	49	47	46	55	56	61	52	43	40	47	52	32	35	35	30	23	18	10	25	37.2	
Elkton	Maximum	49	53	54	52	54	50	47	55	68	63	57	62	64	57	62	61	66	65	59	60	54	58	59	58	49	46	35	29	34	42	54.1	
	Minimum	32	21	22	44	46	32	21	17	28	28	31	41	44	42	54	54	55	54	41	34	39	52	28	32	25	22	13	7	19	33.6		
Emmitsburg	Maximum	46	48	50	47	60	51	44	55	67	65	57	55	58	60	59	58	64	65	59	53	51	63	57	52	45	39	32	23	31	40	51.6	
	Minimum	33	27	27	40	45	31	24	24	32	45	40	45	49	50	52	55	58	56	50	38	42	48	37	33	31	22	19	12	9	25	36.6	
Fallston	Maximum	47	52	57	47	55	53	43	56	70	66	56	59	57	56	60	59	63	63	57	58	52	66	58	53	47	43	35	24	32	40	52.8	
	Minimum	32	26	26	42	45	32	22	24	31	41	33	40	47	46	53	55	58	54	45	37	43	49	33	33	32	25	21	12	9	27	35.8	
Ferry Landing	Maximum	50	52	54	52	56	55	46	55	70	69	59	61	65	58	61	63	69	65	58	59	58	62	60	56	51	48	37	29	37	50	55.5	
	Minimum	32	22	24	44	45	34	21	25	32	34	31	42	47	40	52	55	60	54	45	40	46	47	35	40	33	28	19	13	8	26	35.8	
Frederick	Maximum	49	54	55	49	62	54	47	58	71	71	60	58	57	65	63	61	69	70	62	55	56	67	60	51	47	43	34	25	34	42	55.0	
	Minimum	34	23	25	38	45	33	24	23	31	35	43	46	51	50	55	56	60	58	52	40	40	49	39	27	32	26	20	14	8	25	36.7	
Friendsville	Maximum	39	36	53	48	51	44	40	59	63	65	56	56	57	64	65	62	60	68	64	60	70	66	51	50	44	27	20	14				