

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

In Cooperation with Maryland State Weather Service

CLIMATOLOGICAL DATA

15 MARYLAND AND DELAWARE SECTION

J. R. WEEKS

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VOL. XXXVIII BALTIMORE, MD., YEAR 1933 No. 13

GENERAL SUMMARY

On January 25-26, a northeast gale, attended by very high tide and heavy rain, caused much damage over the eastern half of the section.

On August 23, a tropical storm passed northward over the section. It caused severe northeast shifting to southeast gales, record high tide, and exceptionally heavy rain over the eastern and central divisions. Property and crop damage was very heavy.

This was the fourth consecutive warm year, with mean temperature 1° above normal. January was outstandingly warm; June was warm; February, May, and September were mild; April and December were slightly milder, and August was slightly warmer than normal; July and October were cool; and March and November were cold. Annual mean temperatures ranged from 47.0° at Sines to 58.5° at Crisfield and Solomons.

Annual precipitation averaged one and one-fifth times the normal, and was the most of record. Spring and summer averaged wet; autumn was dry. Rainfall was excessive in August; abundant in March, April, May, and July; slightly below normal in January, February, September, and December; and light in June, October, and November. August's rainfall, two and two-fifths times the normal, was the most of record for any month. Annual amounts were mostly between 40 and 50 inches, except slightly below 40 inches between the Allegheny and Blue Ridge Mountain regions, and except between 50 and 60 inches in Garrett County, the interior of north-central Maryland, the western and central portions of southern Maryland, and the eastern half of the Eastern Shore.

Snowfall was very light in January and April; light in March; normal in February; and above normal in November and December. The annual average was 77 per cent of normal. Snowfall was heavy on February 4 on the Eastern Shore; on February 11 in the northern-border counties; and on March 25-26 in the Allegheny Mountain region.

October was the sunniest month. Sunshine was abundant in January, April, and June; normal in February and July; and deficient in March, May, August, September, November, and December. Annual sunshine was slightly above normal.

February, March, April, and November were windy.

Crops and fruits yielded fair to good, except early potatoes, rye, corn, tobacco, and tree fruits poor to fair.—J. B., Jr.

CONDENSED SUMMARY OF CLIMATOLOGICAL DATA, 1932.

Months	Temperature			Precipitation		Number of days				Prevailing direction of wind
	Mean	Highest	Lowest	Average	Greatest in 24 hours	Snowfall	With 0.01 inch or more of precipitation	Clear	Partly cloudy	
January.....	41.0	70	-4	3.18	3.03	1.4	9	10	10	nw.
February.....	36.2	70	-8	3.01	1.52	7.8	11	13	5	nw.
March.....	40.3	80	0	4.28	2.63	3.0	13	9	10	nw.
April.....	52.8	88	20	5.44	2.50	0.1	11	13	9	se.
May.....	65.0	94	34	5.44	1.83	0.0	16	13	12	sw.
June.....	72.5	102	38	2.73	3.00	0.0	8	15	12	sw.
July.....	74.1	102	47	5.36	5.90	0.0	8	15	9	sw.
August.....	74.0	100	40	10.23	7.62	0.0	12	10	11	sw.
September.....	70.2	94	37	3.21	3.68	0.0	11	11	11	sw.
October.....	55.0	91	16	1.95	1.89	T.	6	19	7	nw.
November.....	42.7	81	-8	1.41	1.56	1.8	7	11	7	nw.
December.....	36.5	73	-10	3.00	1.81	5.7	10	10	8	nw.

KILLING FROSTS, 1933.

Stations	Last in Spring	First in Autumn	Stations	Last in Spring	First in Autumn
<i>Maryland.</i>			<i>Maryland (cont.)</i>		
Aberdeen.....	Apr. 23	Oct. 26	Oakland.....	June 15	Oct. 14
Annapolis.....	Apr. 23	Oct. 26	Parkton.....	Apr. 27	Oct. 26
Baltimore.....	Apr. 23	Oct. 26	Picardy.....	Apr. 23	Oct. 14
Ball.....	Apr. 27	Oct. 26	Pleasant Hill.....	Apr. 27	Oct. 26
Boysd.....	Apr. 27	Oct. 26	Pocomoke City.....	Apr. 27	Oct. 26
Cambridge.....	Apr. 27	Oct. 26	Princess Anne.....	Apr. 27	Oct. 26
Cecilton.....	Apr. 27	Oct. 26	Ridgely.....	Apr. 27	Oct. 26
Cheltenham.....	Apr. 27	Oct. 26	Rock Hall.....	Apr. 23	Oct. 26
Chewsville.....	Apr. 27	Oct. 14	Salisbury.....	Apr. 27	Oct. 26
Clear Spring.....	Apr. 27	Oct. 14	Sines.....	June 15	Oct. 14
Coleman.....	Apr. 23	Oct. 26	Snow Hill.....	Apr. 27	Oct. 26
College Park.....	Apr. 27	Oct. 26	Solomons.....	Apr. 23	Oct. 26
Crisfield.....	Apr. 23	Oct. 26	State Sanatorium.....	Apr. 27	Oct. 26
Cumberland.....	Apr. 28	Oct. 14	Stevensville.....	Apr. 23	Oct. 26
Darlington.....	Apr. 27	Oct. 26	Takoma.....	Apr. 23	Oct. 26
Easton.....	Apr. 27	Oct. 26	Towson.....	Apr. 27	Oct. 26
Elkton.....	Apr. 27	Oct. 26	Western Port.....	Apr. 28	Oct. 14
Emmitsburg.....	Apr. 27	Oct. 26	Westminster.....	Apr. 27	Oct. 26
Fallston.....	Apr. 27	Oct. 26	Woodstock.....	Apr. 28	Oct. 26
Ferry Landing.....	Apr. 23	Oct. 26	<i>District of Columbia.</i>		
Frederick.....	Apr. 27	Oct. 26	Washington.....	Apr. 23	Oct. 26
Friensburg.....	June 15	Oct. 14	<i>Delaware.</i>		
Frostburg.....	Apr. 28	Oct. 14	Bridgeville.....	Apr. 27	Oct. 26
Grantsville.....	June 15	Oct. 14	Delaware City.....	Apr. 27	Oct. 26
Great Falls.....	Apr. 27	Oct. 26	Dover.....	Apr. 27	Oct. 26
Haucock.....	Apr. 28	Oct. 14	Milford.....	Apr. 27	Oct. 26
Keedysville.....	Apr. 27	Oct. 26	Millsboro.....	Apr. 27	Oct. 26
La Plata.....	Apr. 27	Oct. 26	Wilmington.....	Apr. 27	Oct. 26
Laurel.....	Apr. 27	Oct. 26			
Lutherville.....	Apr. 27	Oct. 26			
Maryland Line.....	Apr. 27	Oct. 26			
Mechanicsville.....	Apr. 27	Oct. 26			
Millington.....	Apr. 27	Oct. 26			

COMPARATIVE DATA FOR MARYLAND AND DELAWARE

years	Temperature				Precipitation				Number of days			
	Mean	Departure from the normal	Highest	Lowest	Average	Departure from the normal	Greatest local	Least local	Snowfall	with 0.01 inch or more	Clear	Partly Cloudy
Period.....	54.0	.....	110	-40	41.05	.....	78.72	14.42	25.6	109	163	104
1895.....	52.6	-1.4	102	-18	34.47	-6.58	42.07	14.42	29.9	94	176	105
1896.....	54.0	0.0	103	-13	37.11	-3.94	64.94	30.18	23.0	92	157	111
1897.....	53.6	-0.4	102	-12	44.11	+3.92	63.85	32.56	18.4	109	164	107
1898.....	54.9	+0.9	109	-20	42.11	+1.06	65.77	32.59	21.6	109	164	99
1899.....	53.5	-0.5	102	-26	40.84	-1.21	51.38	28.63	40.3	98	182	92
1900.....	55.0	+1.0	106	-15	36.66	+4.39	52.19	28.21	26.8	88	175	92
1901.....	52.6	-1.4	106	-15	45.08	-4.03	70.67	34.63	18.7	99	166	103
1902.....	53.6	-0.4	104	-17	49.20	+8.15	61.38	33.75	33.3	105	159	110
1903.....	53.3	-0.7	100	-12	46.94	+5.59	73.72	36.58	17.9	106	156	100
1904.....	51.2	-2.8	102	-20	36.49	-4.56	50.26	25.72	41.8	96	162	108
1905.....	53.3	-0.7	104	-20	43.84	+2.79	64.64	31.88	36.1	106	162	114
1906.....	54.6	+0.6	101	-15	48.01	+6.96	62.92	36.10	20.7	123	141	117
1907.....	52.2	-1.8	99	-29	48.86	+7.81	66.59	37.55	34.6	121	155	115
1908.....	54.1	+0.1	102	-21	40.01	-1.04	62.50	31.63	32.5	101	171	109
1909.....	54.0	0.0	99	-5	37.47	-3.58	50.45	28.30	30.0	105	170	105
1910.....	53.8	-0.2	99	-15	37.42	-3.63	52.45	26.74	34.8	109	159	117
1911.....	54.9	+0.9	106	-5	43.61	+2.56	55.58	33.62	23.2	119	155	110
1912.....	53.3	-0.7	102	-40	43.42	+2.37	52.68	35.50	32.2	112	167	109
1913.....	56.1	+2.1	102	-6	38.98	-2.07	48.96	25.41	6.1	108	165	104
1914.....	53.4	-0.6	102	-21	35.97	-5.08	43.32	30.35	37.2	98	171	102
1915.....	54.1	+0.1	103	-6	43.58	+2.53	59.39	26.82	23.1	107	167	114
1916.....	53.2	-0.8	101	-11	40.47	-1.58	49.72	26.14	28.5	112	171	104
1917.....	51.5	-2.7	102	-32	40.65	-0.40	54.22	27.17	35.7	110	169	99
1918.....	53.5	-0.2	109	-30	37.96	-3.09	46.95	28.88	31.4	98	173	100
1919.....	54.9	+0.9	105	-19	47.62	+6.57	60.84	30.69	11.9	114	175	91
1920.....	53.3	-0.7	98	-10	44.95	+3.90	56.29	32.49	20.0	113	166	93
1921.....	56.8	+2.6	102	-15	37.72	-3.33	54.12	28.89	20.5	114	168	102
1922.....	55.0	+1.0	100	-15	40.15	-0.90	55.66	24.39	34.8	111	163	96
1923.....	54.4	+0.4	102	-9	40.27	-0.78	60.38	37.41	22.0	115	174	96
1924.....	52.6	-1.4	103	-13	46.26	+5.21	62.70	37.41	30.5	111	165	98
1925.....	54.6	+0.6	104	-31	34.91	-6.14	48.37	27.87	23.0	112	165	101
1926.....	52.8	-1.2	107	-16	43.90	+2.85	54.02	32.08	24.6	128	149	105
1927.....	54.4	+0.4	100	-5	40.37	-0.68	53.56	27.89	15.3	125	143	104
1928.....	54.0	0.0	100	-11	45.09	+4.04	55.38	34.92	25.4	118	150	104
1929.....	54.4	+0.4	102	-13	42.46	+1.41	55.60	33.09	20.0	117	160	101
1930.....	55.0	+1.0	110	-20	23.78	-17.27	33.52	17.76	22.4	94	169	104
1931.....	56.0	+2.0	108	-8	40.47	-2.37	47.90	29.91	12.3	111	164	111
1932.....	55.2	+1.2	106	-6	47.15	+6.10	54.85	34.33	19.2	111	157	108
1933.....	55.0	+1.0	102	-10	49.30	+8.25	67.56	37.70	19.8	122	142	111

Climatological Date for the Year 1933

Stations	Counties	Elevation, feet	Temperature, degrees Fahrenheit						Precipitation						Sky				Prevailing direction of wind	
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall	Number of rainy days	Number of clear days	Number of partly cloudy days		Number of cloudy days
Maryland																				
Aberdeen	Harford	80	15	54.6	96	June 9†	4	Feb. 12	15	48.34	13.12	Aug.	1.01	Nov.	16.5	124	102	107	156	nw.
Annapolis	Anne Arundel	45	68	57.0	96	July 1†	7	Dec. 30	60	49.58	11.66	Aug.	1.26	Nov.	17.5	126	149	106	110	nw.
Baltimore (U.S.W. B.)		115	63	57.6	100	July 31	6	Dec. 29†	63	52.96	13.83	Aug.	0.96	Nov.	21.2	129	131	93	141	sw.
Bell	Prince Georges	151	13	55.1	100	June 9	4	Feb. 12	13	53.52	12.22	Aug.	1.01	Nov.	14.0	119	146	107	112	nw.
Boyd's	Montgomery	375	14	53.9	97	June 9†	4	Feb. 12	14	43.23	9.05	Aug.	0.97	Nov.	19.2	137	165	94	106	nw.
Cambridge (near)	Dorchester	25	40	57.3	98	July 1	8	Dec. 30	40	43.61	9.70	Aug.	1.69	Oct.	9.0	97	154	111	100	nw.
Cecilton	Cecil	85	15	55.2	98	June 9	3	Dec. 30	15	49.01	10.34	Aug.	1.50	Nov.	18.0	115	142	105	118	sw.
Cheltenham	Prince Georges	230	38	56.5	100	June 9	3	Feb. 30	33	53.37	12.92	Aug.	1.49	Nov.	13.4	124	150	104	111	nw.
Chesapeake	Washington	530	36	52.8	98	June 9	4	Dec. 30	36	47.43	8.06	Aug.	0.88	Nov.	18.7	134	151	126	88	nw.
Coleman's	Kent	90	34	55.7	95	June 9†	4	Dec. 30	36	47.43	9.90	Aug.	1.10	Nov.	16.2	105	148	106	111	nw.
College Park	Prince Georges	87	45	55.8	99	June 9	5	Feb. 12	46	56.34	9.60	Aug.	1.00	Nov.	12.5	123	152	101	112	nw.
Crisfield	Somerset	5	14	58.5	95	June 9†	12	Dec. 29	14	49.90	10.74	Aug.	0.58	June	11.0	99	130	140	95	sw.
Cumberland	Allegany	623	50	54.8	102	June 8†	0	Feb. 9	61	37.70	5.90	May	1.08	Nov.	20.4	127	170	100	95	sw.
Darlington	Harford	300	43	53.1	96	June 9†	5	Dec. 28	42	50.27	9.85	Aug.	0.82	Nov.	22.5	105	114	128	123	nw.
Easton	Talbot	35	43	56.3	98	June 9	9	Dec. 29	43	44.14	9.83	Aug.	1.40	Oct.	9.0	117	150	112	103	nw.
Elkton	Cecil	28	7	54.3	100	June 9†	1	Feb. 13	7	48.15	11.10	Aug.	1.14	Nov.	18.0	108	135	112	118	sw.
Emmitsburg	Frederick	720	65	54.3	97	June 9	0	Dec. 30	64	57.56	11.69	Aug.	1.15	Nov.	24.9	123	161	101	103	nw.
Fallston	Harford	450	64	54.1	97	June 9†	1	Dec. 30	64	47.96	11.40	Aug.	0.90	Nov.	21.6	121	119	136	110	nw.
Ferry Landings	Calvert	110	17	56.7	97	June 9†	6	Dec. 30	17	46.42	11.22	Aug.	1.47	Nov.	9.5	108	150	106	109	nw.
Frederick	Frederick	325	59	56.2	101	June 9	2	Dec. 30	59	47.26	10.39	Aug.	0.98	Nov.	20.3	132	160	104	101	w.
Friendsville	Garrett	1,501	15	49.8	94	July 23	7	Feb. 9	15	53.72	8.56	May	1.57	Oct.	58.4	159	118	98	149	sw.
Frostburg	Allegany	1,929	29	51.9	95	June 9	3	Feb. 9	32	42.46	6.12	May	1.52	Nov.	37.5	130	164	98	103	w.
Grantsville	Garrett	2,351	40	48.5	91	June 9†	7	Feb. 9	40	54.12	8.62	May	1.79	Oct.	39.2	182	114	102	149	w.
Great Falls	Montgomery	200	36	55.2	99	June 9	2	Dec. 30	44	47.56	9.79	Aug.	0.96	Nov.	17.5	123	148	109	108	sw.
Hancock (Tonoloway)	Washington	455	22	53.3	101	June 9	3	Dec. 28	23	39.28	6.22	Aug.	0.80	Nov.	17.0	118	170	106	89	sw.
Hancock (City)	do	421	30	54.4	101	June 9	1	Feb. 12	29	54.64	5.80	Aug.	0.91	Nov.	18.2	125	160	115	90	nw.
Keedysville	Charles	190	19	56.0	97	Aug. 1	5	Dec. 30	20	54.47	10.63	Sept.	0.90	Nov.	15.1	133	160	115	90	nw.
La Plata	Prince Georges	320	39	55.1	98	June 9	3	Dec. 30	39	46.66	10.80	Aug.	0.91	Nov.	16.5	130	153	102	110	sw.
Lutherville	Baltimore	340	7	54.6	99	June 9	2	Dec. 28	7	53.06	12.81	Aug.	0.84	Nov.	21.9	129	141	111	113	sw.
Maryland Line	Baltimore	840	9	53.6	97	June 9†	3	Dec. 28	9	52.93	12.32	Aug.	1.01	Nov.	24.3	117	121	127	117	nw.
Mechanicsville	St. Marys	165	36	55.9	97	June 9	6	Dec. 30	35	50.30	12.58	Aug.	1.49	Oct.	14.6	130	151	164	110	nw.
Millington	Kent	27	34	54.9	93	June 8	10	Dec. 28	34	53.54	7.59	Mar.	1.95	Oct.	59.2	183	110	107	148	w.
Oakland	Garrett	2,461	3	53.7	96	June 9†	1	Dec. 30	3	53.52	13.45	Aug.	0.96	Nov.	23.5	137	112	136	117	nw.
Parkton (Prettyboy Dam)	Baltimore	780	3	53.7	96	June 9†	1	Dec. 30	3	53.52	13.45	Aug.	0.96	Nov.	23.5	137	112	136	117	nw.
Picardy	Allegany	900	7	54.2	98	June 30†	3	Dec. 28†	7	38.48	5.39	Aug.	0.73	Nov.	17.5	107	166	104	95	w.
Pleasant Hill	Baltimore	660	28	54.0	97	June 9†	9	Dec. 28	9	53.91	12.21	Aug.	0.76	Nov.	24.7	120	182	119	114	nw.
Pocomoke City	Worcester	37	53	57.1	97	June 9†	7	Dec. 30	28	44.04	14.04	Aug.	0.76	June	8.0	101	117	153	95	sw.
Princess Anne	Somerset	17	58	57.1	97	June 9†	7	Dec. 30	40	47.47	10.78	Aug.	0.76	June	8.0	101	117	153	95	sw.
Ridgely	Caroline	57	40	56.4	97	June 9	6	Dec. 30	43	52.17	10.82	Aug.	1.54	Oct.	14.2	110	146	112	107	sw.
Rock Hall	Kent	25	19	56.0	98	June 8†	5	Dec. 30	18	46.74	8.63	Aug.	1.12	Nov.	12.2	122	147	112	106	nw.
Salisbury	Wicomico	23	28	57.6	98	June 22	6	Dec. 30	28	47.55	13.03	Aug.	1.19	Oct.	8.7	97	147	122	96	sw.
Sines (Deep Creek)	Garrett	2,040	6	47.0	95	July 23	7	Feb. 12†	6	50.45	8.03	May	1.13	Oct.	59.6	173	113	104	148	sw.
Snow Hill	Worcester	20	15	57.4	97	June 22	7	Dec. 30	3	50.20	12.00	Aug.	1.20	Oct.	8.0	88	137	133	95	nw.
Solomons	Calvert	15	42	58.5	98	July 31†	9	Dec. 30	42	46.99	10.51	Aug.	1.06	June	15.7	104	159	104	102	nw.
State Sanatorium	Frederick	1,460	25	53.2	97	June 9†	0	Dec. 30	25	55.55	12.38	Aug.	1.20	Nov.	31.0	126	159	108	103	nw.
Stevensville	Queen Annes	12	7	57.1	97	July 31	10	Dec. 30	7	50.47	10.26	Aug.	1.19	Nov.	10.8	116	141	118	106	nw.
Takoma	Montgomery	320	35	56.7	98	June 9	5	Dec. 30	35	50.91	9.97	Aug.	1.06	Nov.	13.7	127	148	104	113	nw.
Towson	Baltimore	475	40	54.6	101	July 23	0	Feb. 9	40	46.75	6.55	May	1.39	Oct.	26.7	141	148	113	104	nw.
Western Port	Allegany	1,000	24	54.1	98	June 9†	1	Dec. 30	24	54.59	11.83	Aug.	1.37	Nov.	24.5	116	148	113	104	nw.
Westminster	Carroll	770	24	54.1	98	June 9†	1	Dec. 30	24	54.59	11.83	Aug.	1.37	Nov.	24.5	116	148	113	104	nw.
Woodstock	Baltimore	415	63	55.1	100	June 9	0	Feb. 13†	64	50.06	11.58	Aug.	0.75	Nov.	23.5	121	142	111	112	nw.
District of Columbia																				
Washington (U.S.W. B.)		112	63	57.1	100	June 9	8	Dec. 30	63	49.11	9.91	Aug.	0.95	Nov.	12.8	141	141	99	125	nw.
Delaware																				
Bridgeville	Sussex	45	43	56.7	99	June 9	7	Dec. 30	43	52.00	15.59	Aug.	0.88	Oct.	9.5	110	148	123	94	sw.
Delaware City	New Castle	12	47	55.4	97	July 31†	2	Dec. 30	47	50.58	11.25	Aug.	1.25	Nov.	20.5	100	136	110	119	nw.
Dover	Kent	34	44	56.4	98	June 9†	5	Dec. 30	44	50.87	12.53	Aug.	0.95	Oct.	14.7	122	143	113	109	nw.
Milford	do	20	41	57.2	100	June 9	7	Dec. 30	51	51.45	10.63	Aug.	1.16	Oct.	11.0	117	145	125	95	nw.
Millboro	Sussex	20	41	57.4	99	July 31	7	Dec. 30	41	56.95	14.76	Aug.	1.26	June	9.0	109	139	131	95	nw.
Wilmington	New Castle	86	40	51.42	96	July 31†	1	Dec. 30	40	51.42	12.15	Aug.	1.08	Nov.	22.0	120	135	110	120	nw.
Wilmington	New Castle	260	22	54.6	96	July 31†	1	Dec. 30	22	51.46	11.10	Aug.	1.04	Nov.	23.0	116	135	110	120	nw.
For Maryland and District of Columbia																				
				54.8	102	June 8†	10	Dec. 28		48.93	14.04	Aug.	0.58	June	20.4	122	142	111	112	nw.
For Delaware																				
				56.3	100	June 9	1	Dec. 30		52.32	15.59	Aug.	0.88	Oct.	14.5	116	139	119	107	nw.
For entire section																				
				55.0	102	June 8†	10	Dec. 28		49.30	15.59	Aug.	0.58	June	19.8	122	142	111	112	nw.

Monthly and Annual Precipitation for the Year 1933, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Maryland																										
Aberdeen	2.73	-0.16	3.12	+0.17	4.59	+1.75	6.34	+2.64	8.79	+0.95	1.82	-1.92	4.33	-0.40	13.12	+8.71	3.24	0.00	1.94	-0.31	1.01	-1.36	2.31	-0.11	48.34	+9.96
Annapolis	3.44	+0.08	2.83	-0.61	4.38	+0.54	5.65	+1.88	4.94	+0.93	2.25	-1.92	5.65	+1.19	11.66	+7.04	3.12	-0.76	2.02	-1.25	1.26	-1.62	2.98	-0.48	49.58	+4.42
Baltimore (U.S.W.B.)	3.37	-0.13	2.95	-0.44	4.60	+0.89	7.58	+2.24	5.17	+1.63	3.09	-0.79	3.90	-0.74	13.83	+9.46	3.28	-0.09	1.76	-1.13	0.96	-1.60	2.47	-0.90	52.96	+10.40
Bell	3.45	+0.21	2.54	-0.30	3.29	+0.25	5.68	+1.56	5.26	+1.81	4.44	+1.05	7.21	+3.53	12.22	+8.22	3.85	+0.53	2.03	-0.71	1.01	-1.76	2.56	-0.04	53.52	+14.43
Boys	2.47	-0.34	2.75	-0.18	3.17	+0.31	4.48	+0.83	6.24	+3.51	1.75	-2.02	5.65	+2.69	9.05	+5.08	2.41	-0.52	3.03	-0.41	0.97	-1.45	2.23	-0.19	43.23	+7.31
Cambridge (near)	2.86	-0.69	4.00	+0.53	1.70	-2.17	4.26	+0.53	5.11	+1.69	1.93	-1.85	4.97	+0.52	9.70	+5.11	2.04	-1.03	1.69	-1.47	1.83	-0.80	3.52	+0.27	43.61	-0.64
Cecilton	3.48	+0.28	3.56	+0.35	4.20	+1.00	5.10	+1.01	5.22	+1.92	3.20	-0.44	4.18	-1.52	10.34	+5.51	3.40	-0.12	1.63	-0.82	1.50	-1.20	3.20	+0.44	49.01	+6.41
Cheltenham	4.44	+0.92	2.58	-0.23	3.86	+0.24	5.57	+1.49	5.35	+2.04	3.01	-1.41	6.87	+2.37	12.92	+8.28	1.87	-1.33	2.16	-0.62	1.49	-0.99	3.25	-0.12	53.37	+10.84
Chewsville	2.30	-0.56	1.59	-0.79	4.63	+1.70	4.12	+1.14	4.55	+1.27	3.97	-0.15	4.49	+0.63	8.06	+4.37	4.11	+0.99	3.84	+1.04	0.88	-1.15	1.58	-1.08	44.12	+7.41
Clear Spring	2.60	-0.51	1.51	-1.28	5.06	+1.72	5.08	+1.62	6.06	+1.30	2.35	-0.86	5.35	+2.17	3.91	-0.05	6.63	+2.49	9.60	+5.66	2.78	-0.39	2.23	-0.47	50.84	+10.13
Coleman	3.55	+0.22	3.02	-0.08	4.50	+1.07	5.47	+1.92	5.34	+2.12	2.24	-1.46	3.99	-0.55	9.90	+5.27	3.46	-0.01	1.75	-1.09	1.10	-1.40	3.11	-0.47	47.43	+5.54
College Park	3.09	-0.11	2.88	-0.29	4.16	+0.70	5.94	+2.35	5.92	+2.17	3.91	-0.05	6.63	+2.49	9.60	+5.66	2.78	-0.39	2.23	-0.47	1.00	-1.52	2.70	-0.31	50.84	+10.13
Crisfield	3.16	-0.03	5.38	+1.65	2.10	-2.36	3.80	-0.80	7.26	+4.16	0.58	-2.83	7.94	+3.35	10.74	+6.28	3.06	+0.47	1.11	-1.33	2.17	-0.41	2.60	-0.98	49.90	+7.65
Cumberland	2.04	-0.41	1.62	-0.88	5.12	+2.18	5.52	+2.70	5.90	+2.61	1.13	-2.87	3.14	-0.08	4.73	+1.26	3.14	+0.42	1.25	-1.16	1.08	-1.05	3.03	+0.53	37.70	+3.25
Darlington	2.40	-1.00	3.16	-0.08	5.01	+1.72	6.21	+2.79	4.71	+1.87	2.51	-1.47	5.15	+0.68	9.85	+5.18	5.55	+1.90	2.04	-1.14	0.83	-1.93	2.85	-0.74	50.27	+7.28
Easton	3.55	+0.45	3.09	-0.11	2.75	-0.83	3.71	+0.35	6.16	+2.98	1.80	-1.96	4.47	+0.07	9.83	+5.50	1.62	-1.40	1.40	-1.75	2.04	-0.53	3.72	+0.68	44.14	+3.46
Elkton	2.77	-0.33	3.33	+0.47	4.78	+1.54	5.54	+1.80	4.24	+2.09	2.09	-1.96	5.59	+1.10	11.10	+6.54	2.94	-0.11	1.75	-1.08	1.14	-1.25	2.88	-0.54	48.15	+9.96
Emmitsburg	2.73	-0.53	2.61	-0.58	6.52	+2.58	6.58	+3.09	4.33	+0.24	3.26	-1.01	7.20	+2.97	5.72	+6.62	5.67	+2.08	3.22	-0.19	1.15	-2.06	2.60	-0.54	57.56	+13.70
Fallston	2.72	-0.93	2.49	-1.09	5.22	+1.30	7.27	+3.65	4.31	+0.65	1.43	-2.63	4.61	+0.18	11.40	+6.54	3.08	-0.94	2.08	-1.34	0.90	-2.26	2.45	-1.09	47.96	+2.13
Ferry Landing	4.65	+1.35	2.23	-0.52	2.55	-0.79	4.32	0.00	5.26	+1.80	2.66	-1.12	4.90	-0.67	11.22	+6.14	1.52	-1.88	2.03	-0.68	1.47	-1.19	3.61	+0.97	46.42	+3.41
Frederick	2.89	-0.23	2.85	-0.15	5.04	+1.80	5.39	+1.92	3.84	+0.14	2.81	-1.57	4.95	+1.01	10.39	+6.67	2.95	-0.24	3.07	+0.36	0.98	-1.55	2.06	-1.01	47.28	+7.15
Friendsville	3.45	+0.06	2.74	-0.40	7.44	+3.81	5.12	+1.27	8.56	+5.32	3.44	-1.49	4.99	+1.04	5.69	+1.81	3.15	0.00	1.57	-1.62	3.06	+0.04	4.45	+0.85	53.72	+10.69
Frostburg	2.45	-0.99	1.98	-0.83	5.94	+2.34	5.86	+1.97	6.12	+2.25	1.64	-3.29	4.42	-0.58	6.61	-0.54	3.47	+0.28	1.58	-1.52	1.52	-0.98	3.89	-0.96	42.46	+0.23
Grantsville	3.42	-0.25	2.27	-1.00	7.83	+3.91	4.66	+0.90	8.62	+4.70	2.81	-1.67	5.16	+0.99	5.20	+1.18	4.29	+1.44	1.79	-1.02	3.62	+0.87	4.45	+0.97	54.12	+11.02
Great Falls	3.14	+0.06	2.81	+0.08	3.28	+0.13	4.62	+1.47	6.50	+3.17	3.44	-0.33	5.47	+1.55	9.79	+5.99	2.24	-1.06	2.80	+0.16	0.96	-1.26	2.50	-0.59	47.55	+9.37
Hancock (Tonoloway)	1.98	-0.45	1.64	-0.76	5.28	+2.28	5.91	+2.77	5.34	+2.20	2.01	-2.31	2.65	-0.35	6.22	+3.02	2.80	-0.09	1.78	-1.14	0.80	-1.52	2.87	+0.23	39.28	+3.40
Hancock (City)	2.28	-0.20	1.67	-0.73	5.35	+2.35	4.95	+1.81	5.39	+2.25	2.88	-1.44	3.02	-0.48	5.80	+2.60	2.11	-0.78	1.61	-1.31	0.91	-1.41	2.72	+0.10	38.64	+2.76
Keedysville	1.96	-1.05	1.55	-1.04	4.14	+1.30	3.68	-0.42	3.81	+0.62	4.29	+0.19	5.93	+2.32	5.48	+1.33	6.65	+3.69	2.83	-0.33	0.90	-1.16	1.63	-1.15	42.55	+5.14
La Plata	4.58	+1.35	2.78	-0.08	3.14	+0.40	5.69	+1.57	8.12	+4.33	3.89	-0.08	6.74	+3.15	10.63	+6.47	1.39	-1.36	2.31	-0.11	1.62	-0.98	3.58	+1.00	54.47	+16.42
Laurel	3.26	-0.03	2.69	-0.21	3.67	+0.13	5.51	+1.85	4.83	+1.43	3.96	-0.08	4.79	+1.13	10.60	+5.96	2.29	-0.96	2.07	-0.77	0.91	-1.53	2.38	-0.97	46.66	+4.95
Lutherville	2.93	-0.27	2.87	-0.15	5.73	+2.03	7.35	+3.60	4.58	+2.58	2.58	-1.00	4.90	+0.90	12.81	+7.91	4.07	-0.11	1.90	-0.84	0.84	-1.00	2.50	-0.98	53.06	+10.69
Maryland Line	2.27	-0.35	3.35	+0.47	5.19	+1.75	7.55	+3.80	4.90	+2.47	4.47	-1.00	4.44	-1.00	12.32	+7.88	2.80	-0.11	2.15	-1.01	1.01	-1.25	2.48	-0.98	52.93	+10.69
Mechanicsville	4.26	+1.35	3.20	-0.31	3.01	-0.01	6.00	+2.00	6.33	+2.33	1.98	-1.00	5.07	+1.07	12.06	+7.06	1.98	-0.11	2.20	-0.20	2.46	-0.36	3.53	-0.98	52.08	+10.69
Millington	3.98	+0.52	3.12	-0.21	3.45	-0.31	4.94	+1.30	4.64	+1.53	2.33	-1.36	5.24	+0.45	12.58	+7.90	3.72	+0.20	1.49	-1.42	1.59	-0.95	3.27	-0.39	50.30	+7.26
Oakland	2.95	-1.08	2.96	-0.46	7.59	+3.86	5.15	+0.95	6.47	+2.18	3.08	-1.54	5.31	+0.71	5.97	+1.68	4.39	+1.35	1.95	-1.45	2.92	+0.17	4.80	+0.98	53.54	+7.35
Parkton (Prettyboy Dam)	3.50	-0.30	3.80	+0.30	5.63	+2.03	7.09	+3.59	5.79	+2.29	2.49	-1.00	4.12	-0.57	13.45	+8.35	2.73	-0.22	2.32	-0.22	0.96	-1.00	2.14	-0.98	53.52	+7.35
Picardy	2.43	-0.33	1.55	-0.80	4.84	+1.44	4.89	+1.39	5.04	+2.13	2.13	-1.00	3.59	+0.59	5.39	+0.59	3.52	-0.11	1.83	-0.73	0.73	-0.20	2.60	-0.98	53.48	+7.35
Pleasant Hill	3.00	-0.30	3.56	+0.56	5.65	+2.05	6.91	+3.41	5.10	+2.10	3.13	-1.00	3.91	+0.91	12.21	+7.30	4.41	-0.11	2.55	-0.55	0.76	-0.20	2.72	-0.98	53.91	+7.35
Pocomoke City	3.47	+0.64	4.80	+1.31	1.90	-1.40	3.61	-0.33	6.06	+3.34	2.42	-1.25	8.08	+4.26	10.74	+6.81	1.15	-1.67	1.62	-1.48	1.90	-0.48	2.90	-0.30	47.47	+6.02
Princess Anne	3.06	-0.01	4.89	+1.42	2.05	-1.62	4.44	+0.33	6.02	+2.84	0.76	-2.96	7.90	+3.50	10.73	+6.74	1.15	-1.67	1.62	-1.48	1.90	-0.48	2.90	-0.30	47.47	+6.02
Ridgely	4.18	+1.06	3.13	-0.02	2.62	-0.91	5.11	+1.77	4.84	+1.46	4.08	+0.38	6.69	+2.10	10.82	+6.22	3.55	+0.44	1.54	-1.43	1.58	-0.99	4.03	+0.93	52.17	+11.05
Rock Hall	3.82	+0.04	2.67	-0.33	3.78	+0.33	5.57	+1.94	3.96	+0.88	3.06	-0.47	5.62	+0.81	8.63	+3.68	3.60	-0.07	2.06	-0.49	1.12	-1.62	3.15	+0.03	46.74	+4.93
Salisbury	2.60	-0.78																								

Monthly and Annual Mean Temperatures for the Year 1933, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
<i>Maryland</i>																										
Aberdeen	39.5	+8.3	35.0	+0.9	39.9	-3.0	52.7	+1.5	65.2	+4.2	73.0	+2.2	74.5	-0.5	74.6	+1.8	69.8	+1.9	54.9	-1.1	42.2	-2.6	34.4	-0.3	54.6	+1.1
Annapolis	42.4	+8.8	38.8	+3.8	42.0	+1.5	53.2	-0.2	66.7	+2.6	74.5	+1.3	76.6	-1.1	76.4	+0.3	72.4	+2.7	57.3	-0.8	45.2	-1.7	37.9	+0.8	57.0	+1.2
Baltimore (U.S. W. B.)	43.5	+9.7	38.0	+2.6	42.8	+0.5	54.7	+1.1	67.1	+2.7	76.0	+3.3	77.2	0.0	77.0	+1.5	73.0	+4.5	58.0	-0.2	45.2	-1.1	38.2	+1.0	57.6	+2.2
Bell	40.4	+2.0	36.8	+1.0	41.0	-3.5	53.6	+1.0	65.8	+4.0	72.3	+0.9	73.8	-1.7	74.3	+1.7	70.5	+1.9	53.8	-0.9	42.9	-1.9	36.4	+1.1	55.1	+0.9
Boys	39.2	+7.1	34.6	-0.9	39.8	-4.6	52.4	-0.2	63.6	+1.7	71.1	-0.1	73.3	-2.1	73.2	+0.2	69.8	+1.1	53.2	-2.7	41.8	-3.1	35.2	-0.6	53.9	-0.4
Cambridge (near)	43.6	+7.9	40.1	+4.2	43.2	-2.0	54.4	-0.4	66.6	+1.3	73.4	0.0	74.8	-3.2	75.8	-0.3	73.0	+2.5	57.2	-1.9	45.5	-2.1	39.8	+1.9	57.3	+0.7
Cecilton	41.0	+8.2	36.6	+0.9	40.4	-4.4	52.6	-0.1	65.3	+3.6	72.9	+1.0	74.4	-1.5	75.2	+1.6	70.6	+1.5	55.5	-2.0	43.0	-3.5	34.8	-1.4	55.2	+0.3
Cheltenham	42.6	+8.1	38.6	+3.3	42.4	-2.7	54.2	+0.1	65.9	+2.4	73.0	+2.0	74.4	-1.3	75.0	+1.5	71.8	+3.5	56.5	-0.7	44.9	-0.9	38.8	+3.0	56.5	+1.5
Chewsville	39.0	+8.5	33.2	+2.3	37.7	-3.7	51.4	+0.7	63.4	+2.6	70.6	+1.4	72.6	-1.5	71.8	-0.1	67.6	+1.5	52.4	-2.1	40.8	-2.1	32.9	+0.2	52.8	+0.7
Clear Spring	39.6	+9.6	34.4	+4.7	38.8	-1.8	53.0	+2.6	64.6	+3.3	73.0	+4.4	74.8	-1.8	74.7	+0.3	70.8	+1.5	56.8	-1.5	43.5	-2.9	36.1	+0.1	55.7	+0.7
Coleman	41.4	+8.0	37.5	+3.7	41.5	-2.4	52.8	-0.3	65.3	+2.0	73.0	+1.2	74.8	-1.8	74.7	+0.3	70.8	+1.5	56.8	-1.5	43.5	-2.9	36.1	+0.1	55.7	+0.7
College Park	41.2	+7.8	37.7	+3.1	41.7	-2.1	53.8	+0.8	66.0	+3.4	73.0	+1.9	74.4	-0.9	74.9	+1.3	71.2	+3.3	54.5	-1.6	44.0	-0.7	37.7	+1.7	53.8	+1.5
Crisfield	43.9	+6.7	42.0	+2.1	45.0	-2.4	55.0	-0.1	68.3	+4.4	74.2	+1.0	76.0	-1.0	77.0	+1.7	75.8	+4.3	59.6	-0.7	45.0	-5.0	40.6	+0.1	53.5	+0.9
Cumberland	40.3	+9.3	34.7	+1.6	39.0	-1.2	54.4	+2.4	65.6	+3.0	74.4	+4.0	75.4	+1.3	74.0	+2.0	69.7	+4.0	54.0	-0.3	41.4	-1.2	35.3	+1.3	54.8	+2.1
Darlington	37.8	+6.9	33.8	+2.9	38.6	-2.9	50.8	-0.7	63.7	+1.8	72.0	+2.0	73.0	-1.6	72.8	+0.3	68.0	+1.4	53.2	-1.9	40.9	-2.9	32.8	-0.8	53.1	+0.3
Easton	42.4	+7.8	38.8	+3.8	42.9	-1.8	53.2	-0.2	66.2	+2.8	73.4	+2.1	74.6	-1.5	75.2	+1.0	72.0	+3.3	56.1	-1.6	44.0	-2.5	37.4	+0.5	56.3	+1.1
Elkton	39.2	.....	34.6	.....	39.8	.....	52.3	.....	64.6	.....	73.2	.....	74.4	.....	74.5	.....	69.6	.....	54.4	.....	41.8	.....	33.5	.....	54.3	.....
Emmitsburg	40.8	+10.0	34.5	+2.3	39.8	-0.7	52.5	+0.4	64.4	+2.5	73.4	+3.4	73.8	-1.4	73.0	+0.5	68.3	+2.2	54.0	-1.0	41.7	-1.5	35.0	+1.6	54.3	+1.6
Fallston	39.8	+8.7	34.8	+2.8	39.2	-0.9	51.9	+1.2	64.2	+2.9	72.5	+3.0	74.2	+0.2	73.6	+1.6	69.2	+3.1	54.6	-0.6	41.4	-2.2	33.8	-0.1	54.1	+1.6
Ferry Landing	43.4	+8.2	38.6	+1.4	42.9	-3.4	53.8	0.0	66.0	+2.9	73.3	+1.2	74.8	-0.9	75.2	+1.4	71.8	+3.1	56.8	-0.9	45.1	-1.6	38.6	+1.7	56.7	+1.2
Frederick	41.0	+8.3	36.0	+2.8	41.6	-0.8	55.2	+2.9	66.8	+3.9	73.8	+2.2	75.6	+0.2	75.3	+1.9	71.4	+3.8	55.8	+0.1	42.6	-1.6	35.8	+1.0	56.2	+2.1
Friendsville	36.8	+7.6	31.0	-1.4	34.1	-5.2	49.1	+1.2	60.4	+3.9	64.8	-0.2	67.6	-1.2	66.4	-0.3	65.0	+1.9	50.8	-1.3	37.2	-3.4	34.6	+2.9	49.8	+0.4
Frostburg	38.0	+8.3	33.4	+2.9	36.1	-3.3	50.6	+0.8	61.4	+1.7	70.0	+2.5	70.5	-1.0	70.4	+0.7	66.8	+2.1	51.8	-2.3	39.0	-2.8	34.0	+2.8	51.9	+1.1
Grantsville	35.2	+8.2	29.4	+2.4	31.6	-5.1	46.8	+0.8	58.3	+1.8	65.1	+1.8	67.2	-0.6	66.1	-0.1	64.2	+3.1	48.7	-1.3	35.2	-3.7	34.6	+4.6	48.5	+1.0
<i>District of Columbia</i>																										
Washington (U.S. W. B.)	42.6	+9.2	38.4	+8.1	43.0	+0.4	55.7	+2.4	67.3	+3.6	74.7	+2.5	76.1	-0.6	76.0	+1.0	71.8	+3.7	56.5	-0.9	45.0	-0.2	38.5	+1.9	57.1	+2.1
<i>Delaware</i>																										
Bridgeville	43.4	+8.4	39.2	+4.0	42.6	-1.7	53.4	+0.3	66.4	+3.2	73.2	+2.0	74.8	-1.1	75.3	+1.1	72.2	+3.7	56.8	-0.5	44.6	-2.1	39.0	+1.8	56.7	+1.6
Delaware City	40.3	+7.7	36.9	+2.9	40.4	-1.2	53.0	+0.9	65.8	+2.8	73.4	+1.5	75.2	-1.4	75.2	+0.5	70.6	+2.2	56.2	-1.3	43.1	-2.8	35.2	-0.8	55.4	+0.9
Dover	42.4	+7.8	38.2	+2.7	42.1	-0.9	53.1	-0.1	66.6	+3.2	74.2	+1.9	75.0	-1.6	75.8	+1.4	71.6	+3.1	56.2	-0.9	44.0	-1.8	36.8	+0.1	56.4	+1.3
Milford	43.4	+7.7	39.2	+3.6	43.0	-2.0	53.7	-0.1	67.0	+3.1	73.9	+2.0	76.0	-0.6	76.2	+1.3	72.2	+2.9	57.7	-0.6	45.2	-2.1	38.8	+0.9	57.2	+1.4
Millsboro	43.7	+8.3	39.4	+3.9	43.4	-0.9	53.4	+0.6	66.8	+3.9	73.5	+2.2	75.0	-1.2	76.6	+2.1	73.1	+4.2	58.0	+0.3	46.6	-1.1	40.8	+3.3	57.4	+2.1
Wilmington	40.4	+7.8	35.6	+2.9	39.6	-3.0	52.1	-0.5	64.7	+1.6	72.4	+1.0	74.3	-2.0	74.4	+0.4	69.7	+1.6	55.6	-1.3	42.4	-3.0	34.1	-0.9	54.6	+0.4
For Maryland and District of Columbia	40.8	+8.1	35.9	+2.1	40.1	-2.8	52.8	+0.5	64.8	+2.5	72.4	+1.8	74.0	-1.0	73.8	+0.8	70.0	+2.4	54.7	-1.4	42.5	-2.3	36.3	+1.1	54.8	+0.9
For Delaware	42.3	+7.8	38.1	+3.2	41.8	-1.9	53.1	-0.1	66.2	+2.7	73.4	+1.4	75.0	-1.7	75.6	+0.8	71.6	+2.4	56.8	-0.7	44.2	-2.5	37.4	+0.4	56.3	+1.0
For entire section	41.0	+8.1	36.2	+2.2	40.3	-2.7	52.8	+0.4	65.0	+2.6	72.5	+1.7	74.1	-1.1	74.0	+0.8	70.2	+2.4	55.0	-1.2	42.7	-2.4	36.5	+1.1	55.0	+1.0

*Determined from surrounding stations.

(W. B. O., Richmond, Va., 3-9-34-1,350)