

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CHARLES F. MARVIN, Chief.

In Cooperation with Maryland State Weather Service.

CLIMATOLOGICAL DATA.

MARYLAND AND DELAWARE SECTION.

JAMES H. SPENCER, Meteorologist and Section Director.

VOL. XXIX. BALTIMORE, MD., JUNE, 1924.

No. 6.

GENERAL SUMMARY.

June was cool and wet, and was featured by severe local storms.

The June rainfall averaged 5.27 inches. For the first six months of the present year the rainfall has averaged 29.27 inches, or 8.27 inches above the normal. This is the greatest since 1889.

Crops.—During the first half of the month cool, wet weather seriously interfered with the planting of corn and other farming activities and greatly retarded plant growth. A 10-day warm wave followed, however, and conditions improved materially. During the first decade there was considerable replanting of corn and also of truck crops. At the close of the second decade only 50 to 75 per cent of the corn crop was in the ground and about the same percentage of the corn planted was up. During the third decade corn planting was nearly at an end; a full crop was not planted due to the wet conditions and the lateness of the season.

Wheat continued fair to good and rye good to excellent, except in lowlands. Harvesting of these grains was well under way during the closing week in the southern and central counties. Oats grew nicely and were good generally; during the third decade they were heading or had headed, except in western Maryland. Pastures and grasses were good to excellent. Early potatoes, truck crops, and gardens were fair to good, but late. Picking of peas began during the first decade over the southern portion of the Eastern Shore; in the central portion of the Eastern Shore during the second decade; and elsewhere east of the Blue Ridge Mountains during the third decade. During the third decade tomato plants previously set out showed most unfavorable effects of wet weather. Tree fruit prospects continued good generally, except poor to fair for apples in western Maryland and the northern counties of north-central Maryland. The strawberry season ended in all divisions to the eastward of the Blue Ridge Mountains.—*J. B., jr.*

THE WINDSTORM OF SUNDAY, JUNE 8, 1924.

On the afternoon of this date a windstorm of very exceptional severity occurred in southern Maryland and over Talbot, Caroline, and Dorchester Counties on the Eastern Shore, a total distance from the Potomac River to the Delaware boundary of about 80 miles. This violent storm was a straight blow from the west, and great damage resulted therefrom. The windgust crossed the meridian of Washington, D. C., at about 3 p. m., and reached the Atlantic Coast at about 5 p. m. Mr. B. Francis Dashiell, of the Weather Bureau, who visited some of the places where losses were heaviest, says:

This windstorm was of great severity and passed rapidly over southern Maryland. Within a few minutes it caused damage which is conservatively estimated at \$650,000. Tobacco barns were destroyed throughout the area, and this is the direct cause of the high monetary losses. Besides the loss of the barns practically every barn was partially filled with cured tobacco awaiting shipment, and much of it was ruined by rain. In Calvert County there were 64 tobacco barns destroyed; in Prince Georges County, approximately 80; and in St. Marys and Charles Counties, over 50. The loss of orchards, fruits, stock, fences, timber, etc., will approximate \$100,000. In some cases entire orchards were uprooted. Hundreds of telephone poles were blown down. At Chesapeake Beach considerable

damage was done by the destruction of cottages, piers, and sidewalks, and falling trees wrecked a large number of parked automobiles. Several lives were lost in the Potomac and in upper Virginia.

NOTES ON THE STORM.

St. Michaels.—In this district buildings and trees were damaged to the extent of \$10,000.—*H. W. Dawson.*

Easton.—The storm struck the lower part of the county a little south of Claiborne, and came up through Harris Creek, crossing the upper part of Miles River. It continued for 15 to 20 minutes and blew out window lights and took off roofs of houses. The Methodist church at Wittman was taken off its foundation and so badly damaged it will have to be rebuilt. Large trees were uprooted. Great damage resulted in the upper part of Dorchester County.—*Joseph B. Seth.* The wind seemed to twist large trees until they broke off in the middle of the trunk. Some were uprooted.—*Clement E. Bray.*

Cambridge.—Vast area visited by the storm. Many windows broken. Trees, both fruit and shade, were uprooted or twisted off.—*Robert L. Hamill.* The storm was one of the severest that ever visited our county. Losses to buildings and crops amounted to many thousands of dollars.—*M. Harding,*

Princess Anne.—A barn, 8 horses and mules, hay, and implements were destroyed by lightning at Fairmount; loss about \$5,000.—*James R. Stewart.*

THE WINDSTORM OF WEDNESDAY, JUNE 25, 1924.

On the afternoon of this date a thunderstorm, attended by windgusts which became violent in some localities, visited northeastern Maryland and extreme northern Delaware. Many trees and frail buildings were blown down by the wind and some crop damage resulted, from Carroll County eastward. Mr. Edward F. Koester, engineer in charge of surveying, at Wilmington, Del., says:

At about 3.30 p. m., standard time, a terrible local storm struck Wilmington. The storm came from the west and traveled toward the east. It covered all of Wilmington, but the path of greatest destruction was about 1 mile. Roughly estimated there were about 250 buildings damaged and 400 trees destroyed. Wind was a straight blow and trees went down with their tops toward the east, or nearly so. Two persons were killed after the storm by contact with live wires. Nine persons were injured. Newspapers estimated the damage at about \$1,000,000, but I have no means of checking it.

Mr. W. H. Evans, of Newark, Del., says: Losses from the storm were slight here, but one large barn was struck by lightning and entirely destroyed; loss \$6,000 to \$8,000.

Mrs. Shelton Reynolds was killed by lightning near Baldwin, Baltimore County, Md., on June 25, 1924. On June 29, 1924, Henry C. Koop was killed by lightning at Rock Point, Charles County, Md.

MISCELLANEOUS PHENOMENA (WITH DATES).

Hail, light.—8th: Cheltenham; Frostburg, 12.15 p. m., size of peas; Milford. 18th: Cheltenham. 25th: Cornersville, extreme northwestern Dorchester County, about 5 p. m., size of small marbles. 29th: Friendsville; no damage.

Hail, moderate.—18th: Over an area about 1 mile square, at Towson, 7 miles north of Baltimore; hailstones were the size of hazelnuts, or a little larger, and fell for about 5 minutes, at 2.10 p. m., during a thunderstorm that moved from west to east; considerable damage was done to property, but there was no loss of crops. 25th: Over a path one-half mile at Gamber, about 10 miles south of Westminster, at about 3 p. m.; hailstones were the size of hickory nuts, and caused considerable damage to crops. 25th: Over a path one-half mile wide at Madison, 10 miles southwest of Cambridge, at about 5 p. m.; hailstones were one-half inch in diameter; loss of crops estimated at \$10,000.

Hail, heavy.—13th: Over an area about 8 miles long, and varying in width from 1 to 6 miles, from Earleigh Heights to Winchester, on the peninsula between the Severn and Magothy Rivers, in northeastern Anne Arundel County. Hailstones were 1 to 3 inches in diameter and fell for about 5 minutes, between 3 p. m. and 4 p. m., during a thunderstorm that moved from northwest to southeast. Damage to crops was estimated at \$61,000; to property \$37,000. The hailstorm appeared to be most severe in the neighborhood of Jones Station. Hail was first observed at Pasadena, 1 mile north of Earleigh Heights, and last at

(Continued on pages 22 and 23.)

Climatological Data for June, 1924.

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 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.		
<i>Maryland.</i>																				
Aberdeen.....	Harford.....	80	6	68.6	-3.3	91	20	49	1	26	5.34	+0.84	1.35	0.0	14	2	11	17	ne.	U. S. Army.
Annapolis.....	Anne Arundel.....	45	56	70.0	-3.3	95	20	51	1†	24	5.17	+1.70	1.08	0.0	14	12	11	7	s.	Joseph Stein.
Baltimore.....	115	54	71.2	-1.5	96	20	53	2	24	5.54	+1.70	1.71	0.0	13	7	8	15	s.	U. S. Weather Bureau.	
Bell #.....	Prince Georges.....	151	4	70.2	.....	93	20	44	5	33	4.16	.....	0.0	0.0	12	16	7	7	se.	Bureau Plant Industry.
Boys.....	Montgomery.....	424	5	70.0	.....	97	20	43	1	34	3.36	.....	0.0	0.0	11	10	11	9	nw.	James L. Higgins.
Cambridge.....	Dorchester.....	25	27	70.7	-2.8	93	20†	49	1	24	5.43	+1.57	2.56	0.0	11	15	12	3	sw.	Robert L. Hamill.
Cecilton #.....	Cecil.....	85	6	69.8	.....	93	20	50	1†	27	6.28	.....	1.44	0.0	17	6	7	17	sw.	Wm. F. Coale.
Cheltenham.....	Prince Georges.....	230	24	70.6	+0.1	94	20	45	5	31	6.02	+1.46	2.47	0.0	15	11	7	12	sw.	Geo. Hartnell.
Chesapeake City.....	Cecil.....	17	5	.....	.....	.....	.....	.....	.....	.....	6.93	.....	1.26	0.0	14	13	9	8	sw.	Harold Steele.
Chewsville.....	Washington.....	530	27	68.0	-1.2	93	20	43	5	33	4.54	+0.48	1.32	0.0	14	14	8	8	se.	D. Paul Oswald.
Clear Springs (a).....	do.....	500	22	68.8	+0.6	94	20	46	1	27	5.25	+1.05	1.08	0.0	18	17	6	7	sw.	Leo A. Cobill.
Clear Springs (b).....	do.....	500	26	.....	.....	.....	.....	.....	.....	.....	5.09	+0.89	1.02	0.0	18	14	8	8	.....	E. G. Kinsell.
Coleman #.....	Kent.....	89	25	.....	.....	96	20	50	2	35	4.14	-0.05	1.42	0.0	15	14	9	7	s.	Walter B. Harris.
College Park.....	Prince Georges.....	87	38	70.4	-0.5	95	20	44	1	35	4.14	-0.05	1.32	0.0	18	11	12	7	sw.	Prof. Thos. H. White.
Crisfield.....	Somerset.....	5	6	72.2	.....	94	20	54	1†	22	5.32	.....	.....	.....	.....	.....	.....	.....	.....	A. B. Cochrane.
Cumberland.....	Allegany.....	623	51	69.7	-0.6	97	20	43	5	37	5.74	+1.70	1.50	0.0	19	17	8	5	.....	Harvey H. Weiss.
Darlington.....	Harford.....	300	34	68.4	-1.4	92	20	42	5	28	6.80	+2.83	2.08	0.0	15	17	7	6	nw.	Fred. C. Jones.
Easton.....	Talbot.....	35	34	71.0	+0.1	95	20	50	1	25	3.91	+0.03	1.35	0.0	12	20	5	5	w.	Clement E. Bray.
Emmitsburg.....	Frederick.....	720	56	68.4	-1.4	93	20	50	1	27	6.10	+1.84	1.67	0.0	14	12	8	10	sw.	Mt. St. Mary's College.
Fallston #.....	Harford.....	450	55	67.2	-2.2	91	20	49	1†	24	5.78	+1.69	1.76	0.0	17	10	13	7	nw.	Miss Dora Curtiss.
Ferry Landing #.....	Calvert.....	45	8	70.6	.....	95	20	49	5	27	4.12	.....	1.79	0.0	10	7	16	7	se.	Thos. J. Bourne.
Frederick.....	Frederick.....	275	50	72.1	+0.4	99	20	47	1	35	2.74	-1.70	0.74	0.0	14	14	7	9	nw.	Chas. S. Birely.
Freeland.....	Baltimore.....	631	5	67.6	.....	92	19†	41	1	34	8.10	.....	2.20	0.0	13	20	6	4	w.	Isaac Shaver.
Friendsville.....	Garrett.....	1,501	6	65.1	.....	88	20	39	5	37	6.39	.....	2.68	0.0	13	13	11	6	sw.	Jasper Guard.
Frostburg.....	Allegany.....	1,929	23	65.8	-1.8	90	19†	42	5	32	8.04	+3.06	1.79	0.0	16	14	11	5	e.	J. D. Snyder.
Grantsville.....	Garrett.....	2,351	31	63.3	-0.4	85	19†	38	5	36	6.01	+1.75	1.67	0.0	15	12	10	8	w.	Rev. J. B. Miller.
Great Falls #.....	Montgomery.....	200	35	70.6	-0.1	96	20	44	1	34	3.36	-0.44	1.22	0.0	11	9	14	7	s.	Chas. E. Sullivan.
Hancock.....	Washington.....	455	14	68.3	-3.3	94	20	40	1†	36	6.13	+1.46	1.76	0.0	19	11	9	10	.....	W. E. Grove.
Keedysville.....	do.....	400	21	69.9	-0.8	97	20	43	1†	36	4.87	+0.75	1.24	0.0	14	10	6	6	nw.	J. A. Miller.
La Plata.....	Charles.....	190	8	71.4	.....	97	20	47	1†	31	3.53	.....	0.89	0.0	11	13	9	8	sw.	John P. Burdette.
Laurel.....	Prince Georges.....	320	25	69.7	-0.8	93	20	49	1†	29	4.54	+0.31	1.20	0.0	16	13	9	8	s.	Evan G. Chaney.
Millington.....	Kent.....	27	27	69.8	-1.0	97	20	47	1	30	4.04	+0.08	0.79	0.0	18	17	3	10	w.	Henry L. Higman.
Oakland.....	Garrett.....	2,461	25	64.2	+0.7	88	19	33	5	39	4.00	-0.62	0.98	0.0	16	8	16	6	w.	R. E. Weber.
Princess Anne.....	Somerset.....	17	49	69.8	-1.3	92	20	52	1	26	5.45	+1.58	3.01	0.0	15	6	17	7	sw.	James R. Stewart.
Public Landing #.....	Worcester.....	10	9	69.4	.....	89	20†	51	1†	25	6.64	.....	2.90	0.0	14	7	12	11	se.	Louis C. de Gilbert.
Ridgely.....	Caroline.....	57	3	70.4	-0.8	96	20	48	1	29	5.02	+1.13	1.21	0.0	10	8	15	7	ne.	Albert White.
Rock Hall.....	Kent.....	25	9	70.0	.....	96	20	48	1†	29	4.23	.....	0.97	0.0	14	15	11	4	s.	Charles Judefind.
Salisbury.....	Wicomico.....	23	19	71.0	-0.4	95	20	51	1	28	6.88	+2.90	2.10	0.0	12	7	15	8	sw.	W. A. Simpkins.
Solomons.....	Calvert.....	20	33	71.8	-1.4	97	20	55	1†	24	3.15	-0.17	1.00	0.0	16	8	22	22	se.	Dr. W. H. Marsh.
State Sanatorium.....	Frederick.....	1,460	16	67.0	-1.9	91	20	49	1†	27	6.59	+1.81	2.01	0.0	15	13	10	7	nw.	Dr. V. F. Cullen.
Takoma.....	Montgomery.....	320	26	69.4	-0.3	93	20	51	1†	25	3.83	-0.68	1.48	0.0	10	5	16	9	.....	L. M. Mooers.
Western Port.....	Allegany.....	1,000	31	68.8	-0.3	95	19	42	5	37	5.13	+1.13	0.90	0.0	19	15	9	6	.....	Norris Bruce.
Westminster.....	Carroll.....	770	15	68.6	-2.4	95	20	46	5	30	6.00	.....	1.29	0.0	13	15	9	6	.....	Prof. S. P. Caltrider.
Woodstock.....	Baltimore.....	415	54	68.2	-2.7	93	20†	44	1	30	5.23	+1.38	1.10	0.0	14	17	8	5	nw.	Rev. Henry M. Brock, S.J.
<i>Dist. of Columbia.</i>																				
Washington **.....		112	54	71.3	-0.9	95	20	50	1	27	3.89	-0.29	1.46	0.0	14	5	16	9	s.	U. S. Weather Bureau.
<i>Delaware.</i>																				
Delaware City.....	Newcastle.....	10	38	68.6	-3.3	90	21	48	1	26	7.90	+4.10	1.77	0.0	14	13	13	4	se.	H. C. Price.
Dover.....	Kent.....	34	35	69.2	-3.0	92	21	49	1	26	3.66	+0.09	1.18	0.0	14	18	9	3	w.	Arthur G. Livingston.
Milford.....	do.....	20	42	69.6	-2.3	91	20†	49	1	26	4.29	+0.52	1.31	0.0	11	9	16	5	e.	Chas. J. Holzmueller.
Millsboro.....	Sussex.....	20	32	70.0	-0.8	95	21	48	1	33	6.21	+2.52	1.80	0.0	14	12	7	11	sw.	G. J. Ellis.
Seaford.....	do.....	40	33	70.2	-0.7	93	20	49	1†	30	4.40	+0.61	1.41	0.0	17	17	6	7	s.	E. B. Brown.
Wilmington.....	Newcastle.....	86	31	68.2	-3.4	88	21†	48	10	27	8.35	+4.44	1.42	0.0	14	13	6	11	sw.	Street and Water Depts.
For Maryland and District of Columbia.....				69.3	-1.1	99	20	33	5	39	5.20	+1.06	3.01	0.0	14	12	10	8	sw.	
For Delaware.....				69.3	-2.3	95	21	48	1†	33	5.80	+2.04	1.80	0.0	14	14	9	7	sw.	
For entire section.....				69.3	-1.8	99	20	33	5	39	5.27	+1.19	3.01	0.0	14	12	10	8	sw.	

Annapolis (3.55 p. m., about 2 minutes), 3 miles south of Winchester; hailstones were the size of peas and did no damage.

Thunderstorms.—6, 8, 9, 12, 13, 15, 18, 20, 21, 23, 24, 25, 27, 29.

Winds, high (thundergusts).—Westerly; 8, 13, 18, 25, 29.

PRESSURE.

The monthly mean sea-level pressure at Washington and Baltimore was 29.95, and at Aberdeen, 29.96 inches. The highest at Washington was 30.28; at Baltimore, 30.29, and at Aberdeen, 30.30 inches, all on the 11th. The lowest at Washington was 29.71 on the 29th; at Baltimore, 29.64, and at Aberdeen, 29.63 inches, both on the 25th.

TEMPERATURE.

The monthly mean for the section, 69.3°, is 1.3° below normal. The highest monthly mean was 72.2° at Crisfield; lowest, 63.3°, at

Grantsville. The highest temperature, 99°, occurred at Frederick on the 20th; the lowest, 33°, at Oakland on the 5th. The greatest local monthly range was 55° at Oakland; the least, 38°, at Public Landing. The greatest daily range was 39° at Oakland on the 5th.

PRECIPITATION.

The monthly average for the section, 5.27 inches, is 1.19 inches above normal. The greatest monthly amount was 8.35 inches at Wilmington; the least, 2.74 inches, at Frederick. The greatest amount in 24 hours was 3.01 inches at Princess Anne on the 8-9th. Average number of days with 0.01 inch or more, 14, is 4 above normal.

WIND.

The prevailing direction for the section was southwest. The

Daily Precipitation for June, 1924.

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		
<i>Maryland.</i>																																		
Aberdeen	Atlantic	.37	T.																															5.34
Annapolis	do	.10	.56																														5.17	
Baltimore***	do	.43	T.																														5.54	
Bell	do	.20	.42																														4.16	
Boysd.	do	T.	.19																														3.36	
Cambridge	do	.08	.36																														5.43	
Cecilton	do	.09	.50																														6.28	
Cheltenham	do	.08	.75	.01	.01																											6.02		
Chesapeake City	do	*.62																															6.98	
Chewsville	do	.13																															4.54	
Clear Spring(a)	do	.18	.11																														5.26	
Clear Spring(b)	do	*	.22																														5.09	
Coleman	do	.23	.35																														4.14	
College Park	do	.16	.39																														5.32	
Cristfield	do	.03	.62	.11	.17																													
Cumberland|||	do	.29	.02	.07																													5.74	
Darlington	do	.09	.52																														6.80	
Easton	do	.20	.52																														3.91	
Emmitsburg	do	.15																															6.10	
Fallston	do	.16	.34																														5.78	
Ferry Landing	do																																4.12	
Frederick	do	.08	.07																														2.74	
Freeland	do	*	.40																														8.10	
Friendsville	Ohio	.40	.02	.20																													6.39	
Frostburg	Atlantic	.37	.02	.11																													8.04	
Grantsville	Ohio	.30	.06																														6.01	
Great Falls|||	Atlantic	.38																															3.36	
Hancock	do	.30	.02																														6.13	
Keedysville	do	.09	T.																														4.87	
La Plata	do	.40																															3.53	
Laurel	do	.08	.40																														4.54	
Millington	do	.31	.33																														4.04	
Oakland	Ohio	.51	.07	.02	.32																											4.00		
Princess Anne	Atlantic	.26	.40	.20																													5.45	
Public Landing	do	*	.91	.34																													6.64	
Ridgely	do	.26	.52	T.																													5.02	
Rock Hall	do	.25	.35																														4.23	
Salisbury	do	*	.65	*	.08																												6.88	
Solomons	do	.26	.27	T.	.06																												3.15	
State Sanatorium	do	.14																																6.59
Takoma|||	do																																	3.83
Western Port	do	.40	.05	.03	.25																												5.13	
Westminster	do	.10	.05																														6.00	
Woodstock	do	*	.40																														5.23	
<i>District of Columbia.</i>																																		
Washington***	Atlantic	.55	T.	T.																													3.89	
<i>Delaware.</i>																																		
Delaware City	Atlantic	T.	.76																														7.90	
Dover	do	.32																															3.66	
Milford	do	.12	.97																														4.29	
Millsboro	do	.70	.76	.08																													6.21	
Seaford	do	.30	.52	.01	.04																											4.20		
Wilmington	do	T.	.53																														8.35	

COMPARATIVE DATA FOR MARYLAND AND DELAWARE FOR JUNE.

Year.	Temperature.			Precipitation.						Year.	Temperature.			Precipitation.							
	Mean.	Departure from the normal.	Highest.	Lowest.	Average.	Departure from the normal.	Greatest local.	Least local.	Greatest in 24 hours.	Snowfall.	Mean.	Departure from the normal.	Highest.	Lowest.	Average.	Greatest local.	Least local.	Greatest in 24 hours.	Snowfall.		
1895.....	73.2	+2.6	102	37	3.92	-0.16	7.86	0.75	2.20	0.0	1910.....	67.9	-2.7	99	30	5.81	+1.73	8.08	3.85	2.98	T.
1896.....	65.8	-4.8	96	31	3.20	-0.88	6.44	0.87	2.70	0.0	1911.....	71.6	+1.0	103	39	3.80	0.00	7.65	1.67	2.87	0.0
1897.....	68.6	-2.0	97	29	2.82	-1.26	6.47	0.82	2.92	0.0	1912.....	69.4	-1.2	99	25	3.80	-0.28	7.35	1.71	2.43	0.0
1898.....	71.9	+1.3	100	35	1.74	-2.34	3.99	0.54	2.68	0.0	1913.....	71.2	+0.6	100	27	2.27	-1.81	5.06	0.78	2.55	0.0
1899.....	73.5	+2.9	102	36	2.90	-1.18	6.24	1.05	2.56	0.0	1914.....	72.3	+1.7	101	26	3.82	-0.26	1			

Daily Temperatures for June, 1924.

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	Mean		
<i>Maryland.</i>																																	
Aberdeen	Maximum.....	67	70	72	74	75	77	81	73	67	70	67	66	64	74	82	80	84	76	85	91	89	83	81	88	88	80	69	75	87	78.....	77.1	
	Minimum.....	49	52	58	60	54	55	63	55	58	54	54	56	59	58	56	65	66	67	64	70	68	61	73	63	59	59	60	75	62	60.2		
Annapolis	Maximum.....	72	69	68	77	75	76	85	79	68	71	67	67	62	74	78	77	82	85	92	94	84	82	87	85	79	78	76	89	88	78.7		
	Minimum.....	51	59	59	58	51	55	61	55	58	54	54	57	61	59	55	65	63	71	65	71	71	68	62	69	61	64	61	67	65	61.3		
Baltimore (U.S.W.B.)	Maximum.....	70	73	71	75	76	78	83	77	65	69	67	68	68	78	84	80	83	85	94	96	94	86	88	89	82	92	82	76	91	65	79.2	
	Minimum.....	54	58	59	61	56	60	66	58	54	56	57	61	60	66	68	70	68	75	70	71	70	68	66	61	61	63	67	65	63.1			
Bell	Maximum.....	73	77	74	78	75	83	82	82	68	69	67	69	73	76	83	85	85	91	87	93	88	89	88	82	89	89	80	89	80.9			
	Minimum.....	45	52	55	59	44	52	57	59	55	55	51	56	61	59	50	64	61	66	63	67	70	59	66	69	59	61	61	66	64	59.1		
Boys.....	Maximum.....	71	74	71	74	78	83	88	81	65	68	66	74	74	81	86	86	85	90	93	97	95	88	90	85	90	87	76	89	88	81	81.5	
	Minimum.....	43	51	52	59	47	51	56	60	54	52	55	58	62	66	65	69	73	65	65	69	69	66	61	61	62	64	54	58.8				
Cambridge.....	Maximum.....	70	70	68	75	76	75	84	83	65	68	65	71	70	77	83	83	93	85	86	89	85	84	82	80	87	86	79	76	79.6			
	Minimum.....	49	51	59	58	58	55	62	62	57	55	52	57	60	59	59	64	64	68	66	73	70	71	64	69	69	63	64	67	61.8			
Cecilton	Maximum.....	70	73	75	74	74	79	81	80	70	71	70	65	66	77	88	85	86	85	93	91	84	86	89	89	81	84	89	80	84	79.9		
	Minimum.....	50	50	56	51	54	61	61	54	50	51	55	56	56	64	63	67	64	69	67	60	61	60	65	62	60	65	62	67	59.8			
Cheltenham	Maximum.....	72	72	72	73	76	83	84	84	66	68	65	73	74	77	85	82	83	82	94	93	84	80	89	87	81	84	80	80	87	81.1		
	Minimum.....	46	53	54	56	45	57	60	59	55	56	52	56	61	59	54	64	62	68	68	66	61	62	62	67	63	60	62	67	63	60.2		
Chewsville.....	Maximum.....	66	73	70	69	74	79	81	75	67	65	69	70	76	82	82	82	87	89	83	88	89	88	85	89	89	80	88	79	78.3			
	Minimum.....	45	51	52	54	43	59	53	54	54	56	54	60	54	49	47	64	62	70	72	60	59	62	61	61	65	54	57	58	57.8			
Clear Spring (a)	Maximum.....	66	76	72	71	73	78	81	76	77	73	61	69	69	78	80	83	82	85	86	94	91	83	89	85	90	81	71	78	88	82	78.9	
	Minimum.....	46	51	50	57	48	65	59	57	53	54	54	54	56	57	64	63	65	62	70	74	63	62	66	65	61	65	57	59	58.8			
Coleman.....	Maximum.....	68	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73.0		
	Minimum.....	52	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50.2	
College Park.....	Maximum.....	74	75	74	73	77	80	84	81	68	71	67	72	74	78	85	86	82	91	91	95	94	96	86	90	89	91	85	82	91	80	86	81.7
	Minimum.....	44	50	54	60	45	50	56	59	54	55	50	50	50	60	50	64	60	66	63	67	71	68	60	62	66	65	67	60	67	65	62	59.2
Crisfield	Maximum.....	74	70	69	76	73	79	81	85	72	69	66	73	74	74	81	79	80	87	83	94	92	86	85	89	86	79	79	77	87	86	79.9	
	Minimum.....	58	54	59	60	57	58	67	67	61	53	54	59	63	60	63	63	66	70	74	76	72	69	66	68	64	61	66	64	61	61.6		
Cumberland \$S.....	Maximum.....	66	73	71	72	80	86	85	75	77	71	62	76	76	82	86	87	88	87	95	97	89	83	82	80	80	80	80	80	80	81.7		
	Minimum.....	44	51	51	53	43	53	57	51	59	55	57	60	58	51	51	56	61	62	63	67	76	60	59	59	59	59	59	59	59	59	57.7	
Darlington	Maximum.....	69	74	71	75	78	77	83	82	65	71	68	66	64	79	77	85	83	86	92	90	86	85	85	85	85	85	85	85	85	85	79.3	
	Minimum.....	46	50	53	52	42	49	58	52	54	52	45	51	54	59	57	60	53	63	66	69	67	65	57	57	59	59	57	57	57	57	57.4	
Easton	Maximum.....	75	71	73	77	74	78	82	86	67	70	69	72	72	73	81	79	87	90	86	95	94	84	85	85	92	80	86	84	80	84	80.4	
	Minimum.....	50	54	58	59	51	54	62	63	57	54	51	56	60	58	58	65	64	67	72	76	72	67	61	65	66	66	66	66	66	66	61.7	
Emmitsburg	Maximum.....	67	69	69	70	75	76	80	71	64	66	66	66	71	76	81	81	84	86	90	92	87	82	89	78	75	87	84	84	77.1			
	Minimum.....	50	51	55	58	51	56	59	59	51	55	52	54	58	57	57	61	67	67	63	67	64	66	69	69	69	69	69	69	69	69	59.6	
Fallston	Maximum.....	66	69	71	71	72	73	76	78	76	73	76	73	76	78	78	79	81	80	84	81	88	81	88	81	86	80	86	80	86	80.9		
	Minimum.....	49	50	55	57	49	54	59	60	51	49	50	53	58	57	54	61	62	63	69	66	64	62	67	63	63	59	59	59	59	58.4		
Ferry Landing.....	Maximum.....	71	69	70	74	76	82	84	83	66	68	66	71	73	77	84	79	82	88	86	95	94	86	88	83	80	79	79	79	79	79.8		
	Minimum.....	51	53	56	57	49	57	62	61	55	56	54	56	61	63	64	63	64	74	72	69	66	62	66	64	61	63	61	63	61.3			
Frederick	Maximum.....	69	77	76	75	80	84	87	80	76	72	67	71	71	80	88	88	89	94	94	96	93	89	96	87	89	83	83	83	83.6			
	Minimum.....	47	52	56	60	51	54	60	60	54	56	54	55	61	63	68	68	65	71	74	66	64	64	63	63	60	60	60	60	60.6			
Freeland	Maximum.....	69	73	73	70	74	75	80	80	64	67	65	62	66	72	81	84	85	95	92	94	84	82	87	80	87	80	87	80	87.8			
	Minimum.....	41	50	42	46	44	47	51	50	41	48	45	55	52	55	52	57	47	59	62	65	65	60	53	53	54	54	54	54	54	54	54.4	
Friendsville	Maximum.....	62	68	65	65	75	75	75	73	77	68	63	78	78	76	76	78	79	81	85	88	81	81	87	84	81	81	81	81	81.7			
	Minimum.....	41	46	41	51	39	44	50	49	51	55	56	52	59	56	46	59	56	56	61	61	60	58	57	59	55	55	55	55	54.4			
Frostburg	Maximum.....	65	69	67	65	74	78	75	75	71	66	61	71	77	77	80	83	83	83	90	90	87	89	85	85	86	86	86	86	87.1			
	Minimum.....	45	46	46	51	42	54	52	54	52	49	50	51	57	56	48	56																