

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

SEPTEMBER 1957
Volume LXI No. 9



MARYLAND AND DELAWARE - SEPTEMBER 1957

WEATHER SUMMARY

GENERAL

Generous rains dominated September's weather over Maryland and Delaware.

Division average precipitation ranged from 0.17 inch below the long-term mean or 95% of the long-term mean in the Allegheny Plateau to 2.29 inches above the long-term mean or 164% of the long-term mean in Northern Central Maryland. In general, precipitation was near the long-term mean except in Northern Central Maryland, Central and Northern Eastern Shore Divisions, and Northern Delaware where it was well above average. The greatest monthly precipitation in Maryland, 9.06 inches, occurred at Randallstown Police Barracks; in Delaware, 6.67 inches, at Newark University Farm. The least precipitation in Maryland occurred at Western Port, 1.92 inches; in Delaware at Middletown 2 S, 3.76 inches.

Division average temperatures ranged generally from about one to two degrees above the long-term means. The highest temperature in Maryland, 98°, occurred at Western Port on the 2nd; in Delaware, 95°, at Milford and Lewes on the 3rd and at Dover on the 3rd and 4th. The lowest temperatures were 23° in Maryland at Oakland 1 SE and Sines Deep Creek on the 28th and 34° in Delaware at Newark University Farm on the 27th and Georgetown 5 SW on the 28th.

WEATHER DETAILS

Rain fell in most of the area around the 3rd and was an almost daily weather feature from about the 8th through the 17th with heavy falls at many stations around the 10th and 16th. Rain was widespread again around the 22nd and at the end of the month. Temperatures indicated a continuation of summer through the first three weeks of September and were well above average the 3rd-4th, 12th-16th, and 21st-22nd. A change to cooler weather on the 23rd closely coincided with the astronomical change of seasons and quite cold weather prevailed the 27th through the 29th.

WEATHER EFFECTS

Rains in September together with the generous rains of August 25th definitely terminated the 1957 summer drought but came too late to benefit corn and summer vegetables. However, prospects for soybeans, late-planted tobacco, and late vegetables were improved. Rains brought a sharp improvement in pastures and other roughage and increased tonnage of late hay cuttings. Rains

were also beneficial in conditioning soils for preparation of seed beds and planting of fall grains.

The crop reporting service reported that despite late August rains pastures in Delaware on September 1st were in the poorest condition ever recorded for that date, and in Maryland pastures were the poorest of record except for 1930.

Rain early in the month was needed most for pasture and hay crops with apple growers of Washington County hoping for more moisture to boost sizing of apples. Late-planted tobacco made a remarkable recovery. Adequate soil moisture contributed to some late sizing in sweet potatoes.

Rains during the second week brought field work to a near standstill in many areas. Apple crops were benefited by the rains but in Southern Maryland wet, damp weather delayed cutting of tobacco and interfered with proper curing. Frequent rains slowed harvesting.

The first killing frosts of the season were reported on the 27th as temperatures dropped below freezing in many northern localities.

DESTRUCTIVE STORMS

A small tornado hit a narrow belt of Sussex County, Delaware about 3:20 p.m. EST on the 10th destroying a large chicken house and cutting a swath of destruction through nearby woodlands. Lightning struck at least two homes in the Baltimore area crumbling chimneys in the Hamilton and Fullerton districts.

FLOODS

Locally severe thunderstorms and locally heavy rains hit the Baltimore area on the 10th. The downpour of rain and flash flooding knocked out the Charles Street bridge and contributed to the failure of a 150-foot section of a 72-year old retaining wall which slid into Jones Falls. Heavy rains throughout the city flooded streets and basements and stalled vehicles at many points.

Howard H. Engelbrecht, State Climatologist
U. S. Weather Bureau
Baltimore, Maryland

J. T. B. Beard, Climatologist
Weather Records Processing Center
Chattanooga, Tennessee

SPECIAL NOTICE

A survey has indicated that the comprehensive narrative weather story carried in each issue of Climatological Data is of value to only a small number of recipients. This story will be discontinued, therefore, with the January 1958 issue. A table of extremes will be carried each month and a text will be carried whenever unusual and outstanding weather events have occurred. General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW and the MONTHLY CLIMATOLOGICAL DATA, NATIONAL SUMMARY, either of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE
SEPTEMBER 1957

TABLE 2

Station	Temperature												Precipitation														
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days						
																		Total	Date	10 or More	50 or More	100 or More					
																							Total	Date	10 or More	50 or More	100 or More
MARYLAND																											
SOUTHERN EASTERN SHORE																											
CRISFIELD	80.2	67.4	73.8	1.1	88	14	47	28	18	0	0	0	0	4.48	.57	1.10	8	.0	0		8	4	1				
OCEAN CITY	80.1	66.1	73.1		95	3	47	27+	25	3	0	0	0	3.03		1.57	7	.0	0		6	1	1				
POCONOKE CITY 4 SW	79.8	62.6	71.2		90	12	38	28	38	1	0	0	0	4.98		.93	1	.0	0		11	5	0				
PRINCESS ANNE 1 E	81.0	59.9	70.5		89	3+	33	28	48	0	0	0	0	4.50		1.10	1	.0	0		9	3	1				
SALISBURY	81.1	63.0	72.1		90	3	39	28	34	1	0	0	0	5.37	.75	1.53	7	.0	0		8	5	1				
SALISBURY POLICE BRKS	79.6	61.3	70.5		90	13+	36	28	47	2	0	0	0	4.14		1.03	8	.0	0		8	4	1				
SALISBURY CAA AIRPORT	79.2	61.2	70.2		90	3	38	27+	54	1	0	0	0	6.14		2.90	7	.0	0		8	5	1				
SNOW HILL	80.6	63.0	71.8	2.7	92	3	40	28	32	4	0	0	0	2.53	- 2.14	.48	30	.0	0		6	0	0				
DIVISION			71.7	1.6										4.40	.09			.0									
CENTRAL EASTERN SHORE																											
BLACKWATER REFUGE	79.2	63.3	71.3		90	4	38	28	49	1	0	0	0					.0	0								
CAMBRIDGE 4 W	79.8	61.8	70.8		94	3	36	28	52	1	0	0	0	5.44		3.90	7	.0	0		5	2	1				
DENTON	82.0	61.6	71.8		95	3	36	28	50	5	0	0	0	3.64		1.36	7	.0	0		6	2	2				
EASTON	79.9	62.2	71.1		92	3	40	28	50	2	0	0	0	3.70		1.39	17	.0	0		5	4	1				
EASTON POLICE BRKS	78.3	61.5	69.9	.8	88	3+	38	28	60	0	0	0	0	5.21	1.18	1.68	17	.0	0		7	3	2				
PRESTON 1 S	80.7	61.0	70.9		95	3	36	28	58	3	0	0	0	4.29		1.29	7	.0	0		6	3	2				
ROYAL OAK	80.7	63.1	71.9		91	3+	39	28	50	4	0	0	0	5.88		1.83	15	.0	0		7	4	3				
VIENNA	80.5	63.5	72.0		92	3	38	28	44	2	0	0	0	7.59		4.50	7	.0	0		8	3	1				
DIVISION			71.3	1.9										5.05	1.00			.0									
LOWER SOUTHERN																											
CHARLOTTE HALL 2 ESE	78.4	59.1	68.8		89	3	37	28	61	0	0	0	0	3.74		1.52	17	.0	0		8	2	1				
LA PLATA 1 W	80.3	59.0	69.7		92	3	34	28	67	3	0	0	0	2.39		1.01	17	.0	0		6	1	1				
LEONARDTOWN 4 SSW	80.5	63.3	71.9		93	3	41	28	40	4	0	0	0	3.93		1.16	17	.0	0		8	3	1				
OWINGS FERRY LANDING	78.0	61.3	69.7	.7	91	3	38	28	58	1	0	0	0	3.76	-.41	1.68	17	.0	0		6	2	1				
PRINCE FREDERICK	79.7	60.8	70.3		91	12	38	28	54	3	0	0	0	4.30		1.86	17	.0	0		6	2	2				
SOLOMONS	79.6	66.5	73.1	.9	93	3	49	27+	26	3	0	0	0	2.93	-.72	.79	7	.0	0		6	3	0				
WALDORF POLICE BRKS	78.8M	59.0	68.9M		90	15	34	28	80	1	0	0	0	5.59		2.88	17	.0	0		5	2	2				
DIVISION			70.3	.8										3.81	-.17			.0									
UPPER SOUTHERN																											
ANNAPOLIS U S N ACADEMY	77.8	64.8	71.3	1.4	92	3	46	28	42	2	0	0	0	4.37	.91	1.12	10	.0	0		7	5	2				
ANNAPOLIS 2 WNW																											
BALTIMORE WB AIRPORT	78.1	61.0	69.6	1.7	93	3	39	27	56	2	0	0	0	5.63	2.17	2.37	10	.0	0		7	4	2				
BELTSVILLE	79.2	58.1	68.7		92	4+	35	27	71	2	0	0	0	4.21		2.23	17	.0	0		5	3	2				
BELTSVILLE PLANT STA 1	79.5	59.1	69.3		91	4	35	28	66	3	0	0	0	3.27		1.93	17	.0	0		6	1	1				
BELTSVILLE PLANT STA 2	79.4	58.0	68.7		92	4	34	27+	71	3	0	0	0	3.20		2.04	17	.0	0		5	1	1				
BELTSVILLE PLANT STA 4	79.9	59.3	69.6		92	4	38	27+	57	3	0	0	0	3.54		2.30	17	.0	0		5	1	1				
BELTSVILLE PLANT STA 5	79.2	58.2	68.7		92	4	32	28	73	1	0	1	0	3.18		2.04	17	.0	0		5	1	1				
BELTSVILLE PLANT STA 6	79.7	59.9	69.8		94	4	33	28	61	3	0	0	0	3.38		2.10	17	.0	0		5	1	1				
COLLEGE PARK	80.8	60.3	70.6	2.1	94	3	35	28	55	4	0	0	0	3.18	-.78	1.94	17	.0	0		6	1	1				
DALECARLIA RESVR D C	80.6	61.3	71.0		93	3	38	28	53	4	0	0	0	6.08		2.93	17	.0	0		5	4	3				
FORT GEORGE G MEADE	79.9	58.2	69.1		92	3	33	28	66	2	0	0	0	3.55		1.85	17	.0	0		6	2	1				
GLENN DALE BELL STA	81.5	58.8	70.2	2.4	94	3	34	28	63	5	0	0	0	3.11	-.92	1.69	17	.0	0		6	2	1				
GREENBELT	79.1	59.0	69.1		92	4	34	28	66	2	0	0	0	4.79		2.06	17	.0	0		5	3	2				
LAUREL 3 W	80.7	61.0	70.9		93	3	39	27	46	4	0	0	0	4.11		2.40	17	.0	0		6	2	1				
NATIONAL ARBORETUM D C	82.7	61.5	72.1		94	3	38	28	45	6	0	0	0	4.06		2.20	17	.0	0		6	2	1				
SANDY POINT	79.0	64.2	71.6		91	3	44	28	40	1	0	0	0	2.77		1.40	17	.0	0		7	1	1				
U S SOLDIERS HOME D C	79.6	61.0	70.3		94	4	41	27	51	2	0	0	0	4.33		2.05	17	.0	0		5	3	1				
UPPER MARLBORO 3 NNW	79.2	59.9	69.6		91	4	34	28	63	1	0	0	0	4.84		1.57	17	.0	0		7	3	2				
WASHINGTON WB CITY D C	79.7	64.1	71.9	2.0	93	3	44	27+	43	3	0	0	0	3.67	-.69	1.19	17	.0	0		6	3	2				
DIVISION			70.1	.8										3.96	.21			.0									
NORTHERN EASTERN SHORE																											
CENTREVILLE	80.2	60.1	70.2		91	3	35	28	63	2	0	0	0	4.03		1.81	17	.0	0		6	2	1				
CHESTERTOWN	80.3	62.1	71.2		94	3	39	28	49	3	0	0	0	3.97		1.47	17	.0	0		7	3	1				
COLEMAN 3 WNW	80.6	62.7	71.7	1.9	93	3	45	27+	38	6	0	0	0	8.54	5.17	3.92	11	.0	0		9	3	3				
MILLINGTON	80.1	56.3	68.2	.5	94	3	31	28	76	4	0	1	0	4.87		1.51	1.69	17	.0	0		8	3	2			
ROCK HALL 3 N	78.9	60.5	69.7	.7	92	3	36	27+	58	1	0	0	0	4.68		1.20	1.47	17	.0	0		8	4	1			
STEVENSVILLE 1 W	81.0	64.5	72.8		91	3+	45	27+	36	4	0	0	0	2.99		1.60	17	.0	0		7	1	1				
DIVISION			70.6	1.6										4.85	1.38			.0									
NORTHERN CENTRAL																											
ABERDEEN PHILLIPS FLD	76.9	59.9	68.4	.6	92	3	37	28	70	1	0	0	0	6.23	3.06	3.33	10	.0	0		7	4	1				
BALTIMORE WB CITY	80.3	65.7	73.0	2.6	94	3	45	28	33	5	0	0	0	7.77	4.31	4.50	10	.0	0		7	5	1				
BALTIMORE HAMILTON	78.9	61.6	70.3		94	3	38	27	53	3	0	0	0	8.40		3.05	10	.0	0		9	6	2				
BENSON POLICE BARRACKS	77.3	57.1	67.2		91	3	34	27	76	2	0	0	0	5.69		2.52	10	.0	0		7	3	2				
BENTLEY SPRINGS 1 WNW	77.2	55.2	66.2		92	3	30	27+	100	2	0	3	0	5.05		1.59	7	.0	0		7	4	2				

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE
SEPTEMBER 1957

TABLE 2 - CONTINUED

Station		Temperature										Precipitation												
		Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days		
											Max.		Min.						Total	Max. Depth on Ground	Date	10 or More	50 or More	1.00 or More
											90° or Above	32° or Below	32° or Below	64° or Below										
BETHESDA NAT INST HLTH		80.3M	59.0M	69.7M		93	3	38	28	74	6	0	0	0	4.27		1.25	10	.0	0		6	5	2
BOYDS 2 NW		77.2	59.4	68.3		91	3	35	28	71	1	0	0	0	3.47		1.38	10	.0	0		7	3	1
CONOWINGO DAM		78.2	58.6	68.4		95	3	35	28	66	2	0	0	0	6.49		2.45	10	.0	0		8	5	3
CONOWINGO POLICE BRKS		78.5	57.3	67.9		95	3	35	28	74	3	0	0	0	6.83		2.85	10	.0	0		9	4	2
DUNDALK		79.2	61.4	70.3		94	3	37	27	57	4	0	0	0	6.39		2.10	10	.0	0		9	5	2
ELKTON		79.6	58.7	69.2	1.4	95	3	33	28	60	3	0	0	0	6.67	3.39	1.68	17	.0	0		8	5	3
EMMITTSBURG 2 SE		79.9	53.9	66.9		92	2+	30	28	86	5	0	1	0	3.22		.82	10	.0	0		8	2	0
FREDERICK POLICE BRKS		78.8	59.3	69.1		92	3	37	27+	60	5	0	0	0	4.81		1.20	10	.0	0		8	4	1
FREDERICK WB AIRPORT		77.4	57.6	67.5	- 1.0	91	2+	35	27+	86	4	0	0	0	5.27	1.71	1.56	10	.0	0		8	3	2
MIDDLE RIVER 1 N		78.4M	57.2M	67.8M		96	3	32	27+	78	3	0	2	0	8.03		2.55	10	.0	0		9	7	2
PARKTON 2 SW		75.9	56.1	66.0		92	3	31	27	93	1	0	1	0	4.96		1.58	10	.0	0		8	4	1
PIKESVILLE POLICE BRKS		77.1	60.6	68.9		92	3	37	27+	64	2	0	0	0	6.68		2.47	10	.0	0		10	3	2
RANDALLSTOWN POL BRKS		77.4	59.0	68.2		91	3	34	27	65	2	0	0	0	9.06		2.70	10	.0	0		10	5	3
ROCKVILLE		80.8	62.0	71.4		93	3	39	28	50	6	0	0	0	3.62		1.96	17	.0	0		5	2	1
TAKOMA PARK MISS AVE		78.7	60.9	69.8		92	3	39	27+	60	1	0	0	0	4.63		1.59	17	.0	0		6	4	2
TOWSON		79.2	57.6	68.4		92	3	32	28	75	3	0	1	0	4.65	1.08	1.32	10	.0	0		7	4	2
UNIONVILLE		78.9	56.5	67.7		93	3	30	28	88	5	0	2	0	5.28		1.90	10	.0	0		8	3	1
VIERS MILL		78.8M	59.1M	69.0M		92	3	35	28	36	4	0	0	0	5.67		2.36	17	.0	0		7	2	2
WATERLOO POLICE BRKS		77.1	59.5	68.3		86	4+	36	28	62	0	0	0	0	5.98		2.26	17	.0	0		6	3	2
WESTMINSTER		77.2	56.6	66.9	.3	90	3	31	27	88	1	0	2	0	4.36	1.01	.71	11+	.0	0		9	5	0
WOODSTOCK		78.3	57.8	68.1	1.7	90	3+	32	28	79	2	0	1	0	8.71	4.95	2.48	10	.0	0		8	4	3
DIVISION				68.6	1.4									5.85	2.29			.0						
APPALACHIAN MOUNTAIN																								
CHEWSVILLE BRIDGEPORT		80.1	57.0	68.6	3.2	94	3	32	27	74	5	0	1	0	2.62	.43	.75	10	.0	0		7	1	0
CLEAR SPRING		80.7	56.3	68.5		97	2+	30	29	74	6	0	1	0	2.38		.80	10	.0	0		7	1	0
CUMBERLAND		79.2	55.7	67.5		94	2+	31	28	73	4	0	1	0	3.03		1.15	15	.0	0		6	2	1
CUMBERLAND POLICE BRKS		76.0	51.3	63.7		92	3	26	28	127	2	0	3	0	3.37		1.98	14	.0	0		6	2	1
FROSTBURG		75.1	53.1	64.1	.7	89	2	31	27+	109	0	0	2	0	2.98	.14	1.41	14	.0	0		7	1	1
HAGERSTOWN		79.4	55.1	67.3		93	3	32	27+	80	4	0	2	0	3.59		1.15	10	.0	0		9	2	1
HANCOCK FRUIT LAB		79.2	52.9	66.1		96	3	26	28	100	4	0	2	0	2.64	.34	.60	16	.0	0		8	2	0
KEEDYSVILLE		80.5	57.6	69.1	1.8	95	2+	31	28	70	7	0	2	0	5.51	2.05	1.40	23	.0	0		9	4	2
PICARDY		78.1	55.0	66.6		94	2	28	28	92	4	0	2	0	2.24	.58	.79	10	.0	0		8	2	0
WESTERN PORT		80.4	55.7	68.1	1.7	98	2	30	28	68	6	0	1	0	1.92	1.33	.65	14	.0	0		6	2	0
DIVISION				67.0	1.3									3.03	.06			.0						
ALLEGHENY PLATEAU																								
BITTINGER 2 NW		71.0	50.8	60.9		88	2	29	27+	162	0	0	2	0	2.90		.89	14	.0	0		8	1	0
NEW GERMANY														3.07		.68	15	.0	0		10	1	0	
OAKLAND 1 SE		74.1	49.7	61.9	1.1	90	2	23	28	139	1	0	3	0	2.28	1.04	.69	14	.0	0		8	1	0
SAVAGE RIVER DAM		75.6	50.8	63.2		91	3	28	28	130	1	0	3	0	2.69		.81	15	.0	0		7	2	0
SINES DEEP CREEK		73.1M	49.1M	61.1M	1.7	89	2	23	28	158	0	0	3	0	4.29	.94	1.42	15	.0	0		9	3	1
DIVISION				61.8	1.7									3.05	.17			.0						
DELAWARE																								
NORTHERN																								
MIDDLETOWN 2 S		80.0	60.8	70.4		94	3	36	28	61	4	0	0	0	3.76		1.81	17	.0	0		5	2	2
NEWARK UNIVERSITY FARM		79.6	58.5	69.1		93	3	34	27	66	1	0	0	0	6.67		1.41	17	.0	0		8	6	3
WILMGTN N CASTLE WBAP		77.5	59.8	68.7	.7	93	3	37	27	65	1	0	0	0	6.55	2.75	2.01	10	.0	0		7	5	3
WILMINGTON PORTER RESVR		76.6	59.9	68.3		92	3	37	27	65	1	0	0	0	4.80	1.52	1.88	10	.0	0		6	3	1
DIVISION				69.1	1.1									5.45	2.18			.0						
SOUTHERN																								
BRIDGEVILLE 1 NW		79.8	61.6	70.7	2.4	94	3	37	28	52	2	0	0	0	3.94	.11	1.42	7	.0	0		7	3	1
DOVER		81.9	60.8	71.4	2.1	95	3+	39	28+	45	5	0	0	0	4.34	.64	1.27	11	.0	0		5	4	3
GEORGETOWN 5 SW		81.1	61.6	71.4		93	3	34	28	50	2	0	0	0	4.66		2.62	7	.0	0		5	3	1
LEWES		79.8	63.1	71.5		95	3	40	28+	41	6	0	0	0	4.98		2.05	7	.0	0		5	4	2
MILFORD		80.5	61.2	70.9		95	3	38	28	47	3	0	0	0	5.46		2.28	8	.0	0		7	3	2
SELBYVILLE		79.5	62.0	70.8		92	3	38	28	44	4	0	0	0	3.94		1.18	7	.0	0		6	5	1
DIVISION				71.1	2.2									4.55	.42			.0						

† DATA RECEIVED TOO LATE TO BE
INCLUDED IN DIVISION AVERAGES

MARYLAND AND DELAWARE
SEPTEMBER 1957

MARYLAND AND DELAWARE
SEPTEMBER 1957

See Reference Notes Following Station Index

Table 5

DAILY TEMPERATURES

MARYLAND AND DELAWARE
SEPTEMBER 1957

Station		Day Of Month																															Average
		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 PHILLIPS FLD	MAX	84	85	92	87	80	78	74	75	68	74	82	84	88	85	87	84	75	74	76	76	80	85	76	68	72	75	60	60	60	62	76.9	
	MIN	64	65	75	69	57	51	62	60	60	65	65	67	68	70	68	68	65	63	63	61	70	72	59	49	45	47	38	37	41	54	59.9	
ANNAPOLIS U S N ACADEMY	MAX	85	82	92	85	78	75	80	77	71	83	80	85	90	85	88	85	75	75	78	77	83	83	77	72	74	78	62	59	59	62	77.8	
	MIN	72	72	73	73	63	62	68	67	64	69	68	74	72	72	70	67	67	67	65	69	73	73	64	57	49	57	47	46	48	55	64.8	
ANNAPOLIS 2 WNW		MAX																															
BALTIMORE WB AIRPORT	MAX	84	87	93	89	79	76	74	77	68	77	82	87	90	84	89	86	74	75	77	77	87	87	75	69	75	77	62	61	60	64	78.1	
	MIN	69	65	73	71	58	53	64	63	61	66	67	70	67	71	68	68	65	63	62	59	67	72	60	51	46	53	39	41	44	54	61.0	
BALTIMORE WB CITY	MAX	88	89	94	92	83	80	74	78	70	77	85	88	93	87	92	88	78	78	80	78	88	90	77	72	78	80	64	63	62	66	80.3	
	MIN	76	70	76	72	65	62	69	67	64	68	70	73	72	75	73	70	70	67	67	68	73	75	65	58	54	54	46	45	49	58	65.7	
BALTIMORE HAMILTON	MAX	87	85	94	91	87	78	74	76	75	72	82	86	90	86	89	84	76	76	77	74	85	86	82	70	75	78	69	61	60	62	78.9	
	MIN	69	65	72	70	66	56	65	61	61	63	65	70	67	69	70	70	66	61	62	64	69	73	61	52	49	57	38	39	45	52	61.6	
BELTSVILLE	MAX	87	81	87	92	88	78	80	78	77	70	84	81	89	92	81	88	86	74	75	78	78	87	88	71	69	75	78	62	62	59	79.2	
	MIN	68	60	67	70	53	50	61	62	62	62	60	66	64	72	66	68	66	60	61	56	63	70	63	47	39	45	35	40	41	45	58.1	
BELTSVILLE PLANT STA 1	MAX	87	86	89	91	88	80	77	78	76	71	86	82	90	90	85	88	86	75	75	79	77	87	88	71	68	75	78	62	62	58	79.5	
	MIN	69	61	71	70	54	52	59	62	63	62	65	66	64	69	66	70	66	62	63	56	65	74	64	48	42	49	37	35	41	47	59.1	
BELTSVILLE PLANT STA 2	MAX	87	85	88	92	88	79	77	78	76	71	85	81	90	90	85	88	86	75	75	79	77	86	88	71	68	75	78	62	62	59	79.4	
	MIN	68	60	73	68	52	51	62	61	62	64	64	65	63	68	66	67	65	61	62	55	63	71	64	47	40	49	34	34	40	48	58.0	
BELTSVILLE PLANT STA 4	MAX	88	88	88	92	89	80	78	79	77	71	85	82	90	90	85	88	86	74	75	80	77	87	88	71	70	76	78	63	64	58	79.9	
	MIN	68	62	72	70	55	55	60	62	62	60	65	66	63	68	68	68	65	60	61	57	64	73	63	50	44	53	38	38	42	48	59.3	
BELTSVILLE PLANT STA 5	MAX	87	85	87	92	88	79	76	79	76	71	85	81	89	88	84	88	86	75	75	79	77	87	88	70	68	75	77	62	62	59	79.2	
	MIN	69	60	73	68	52	51	58	62	62	63	65	65	64	68	66	67	66	62	63	55	63	71	64	47	39	49	34	32	40	47	58.2	
BELTSVILLE PLANT STA 6	MAX	87	85	88	94	80	80	77	78	77	71	86	81	90	90	85	88	86	75	75	80	78	87	88	71	69	76	78	62	62	58	79.7	
	MIN	69	63	74	70	57	56	60	63	63	62	66	67	65	70	68	69	66	62	63	57	63	74	84	52	43	53	35	32	42	49	58.9	
BENSON POLICE BARRACKS	MAX	79	85	91	90	82	78	71	75	70	71	82	87	89	81	86	84	73	76	77	74	83	87	80	69	73	76	68	60	61	62	77.3	
	MIN	61	59	71	66	53	48	57	59	55	61	62	63	63	67	66	67	65	58	59	60	67	69	59	50	41	49	34	37	37	49	57.1	
BENTLEY SPRINGS 1 WNW	MAX	86	88	92	90	85	77	73	73	67	68	83	87	89	83	86	84	72	75	76	74	84	86	80	67	73	76	62	59	59	66	77.2	
	MIN	65	57	69	65	47	44	54	55	50	61	63	63	62	65	63	67	65	63	56	56	68	70	58	44	40	48	30	30	30	47	55.2	
BETHESDA NAT INST HLTH	MAX	87	90	93	90	82	80	82	77	69	87	85	92	92	90	82	81	75	81														80.3
	MIN	66	64	72	69	59	59	62	59	59	62	62	67	63	63	65	64	64	59														59.0
BITTINGER 2 NW	MAX	82	88	82	81	70	74	77	75	65	65	79	81	75	70	80	79	66	65	71	70	72	79	65	59	70	65	58	52	53	65	71.0	
	MIN	60	58	63	55	47	42	51	45	51	54	52	58	60	61	60	59	57	53	55	57	58	57	52	36	38	49	29	29	36	43	50.8	
BLACKWATER REFUGE	MAX	84	83	89	90	85	78	78	78	73	86	86	87	86	86	85	83	82	76	78	78	84	83	82	70	73	78	74	60	60	62	79.2	
	MIN	70	71	72	73	60	55	64	66	68	69	66	72	73	70	71	72	68	65	64	62	71	73	68	56	44	54	44	38	44	55	63.3	
BOYOS 2 NW	MAX	85	87	91	88	80	76	77	74	70	80	83	88	89	80	87	80	71	72	77	75	85	86	80	68	74	76	65	59	57	62	77.2	
	MIN	68	65	72	68	57	55	58	60	58	63	64	70	65	67	61	66	65	58	60	61	68	79	62	48	44	53	37	35	40	50	59.4	
BRIGHTWOOD DC	MAX	88	85	86	93	88	80	77	80	78	71	85	83	89	89	85	88	86	74	76	77	78	86	88	73	69	74	80	60	60	58	79.5	
	MIN	72	69	72	73	61	63	65	65	65	64	67	69	69	72	69	72	67	64	64	63	68	72	66	54	49	51	43	44	47	51	63.0	
CAMBRIDGE & W	MAX	86	86	94	85	79	80	81	77	74	86	84	88	89	88	83	85	76	79	80	82	87	86	81	69	75	80	68	62	61	62	79.8	
	MIN	75	65	66	71	61	57	66	63	66	67	63	71	69	70	68	70	67	65	64	60	64	71	69	57	42	52	43	36	42	55	61.8	
CENTREVILLE	MAX	86	86	91	90	84	79	80	80	78	76	84	86	89	88	88	86	78	82	79	86	88	84	69	74	77	74	61	61	60	80.2		
	MIN	69	65	71	70	57	48	63	64	63	69	65	66	66	70	68	69	67	62	63	59	67	71	65	52	41	49	40	35	38	52	60.1	
CHARLOTTE HALL 2 ESE	MAX	87	84	89	89	81	77	78	78	72	84	81	87	87	86	86	84	80	73	75	77	85	86	80	69	74	77	72	59	59	60	78.4	
	MIN	66	64	70	68	55	54	62	63	62	67	62	67	67	66	66	63	64	62	60	57	65	68	62	50	43	51	42	37	41	49	59.1	
CHESTERTOWN	MAX	89	88	94	87	82	82	81	75	60	79	86	89	91	89	90	88	73	78	82	78	89	89	79	73	77	79	65	64	62	61	80.3	
	MIN	69	69	74	74	58	55	66	64	60	68	68	70	69	70	71	69	67	62	62													

Table S-Continued

DAILY TEMPERATURES

MARYLAND AND DELAWARE
SEPTEMBER 1957

Station		Day Of Month																															Average
		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	
EMMITSBURG 2 SE	MAX	89	92	92	92	88	78	78	78	76	74	85	90	90	88	87	83	72	75	78	77	86	87	84	70	74	74	68	64	59	68	79.9	
	MIN	65	60	70	64	45	42	51	53	48	59	55	64	62	64	65	65	63	54	53	59	61	65	57	41	37	47	38	30	34	46	53.9	
FORT GEORGE G MEADE	MAX	87	88	92	88	84	79	75	77	75	82	82	88	90	88	89	86	74	76	79	76	85	88	83	71	75	78	71	63	63	64	79.9	
	MIN	64	60	70	69	52	49	59	62	61	64	66	66	65	68	66	68	66	60	62	56	68	70	60	47	39	46	34	33	43	52	58.2	
FREDERICK POLICE BRKS	MAX	86	90	92	88	86	77	78	76	73	75	84	81	90	80	90	85	73	73	78	76	86	90	81	70	75	75	70	60	59	66	78.8	
	MIN	68	66	68	70	55	50	58	65	52	62	60	69	67	69	69	68	63	61	59	63	65	70	63	56	40	58	37	37	40	52	59.3	
FREDERICK WB AIRPORT	MAX	86	91	91	91	79	73	78	75	63	75	85	89	90	79	88	80	72	74	79	77	86	86	69	68	75	75	61	59	61	66	77.4	
	MIN	68	65	70	67	52	49	56	58	55	62	62	68	64	68	68	68	64	58	58	61	68	67	55	47	42	49	35	35	39	50	57.6	
FROSTBURG	MAX	86	89	86	82	75	78	80	81	73	67	85	88	80	77	84	77	69	70	68	70	83	85	72	66	75	69	63	58	54	64	75.1	
	MIN	64	60	65	59	45	42	53	48	53	57	54	59	62	63	63	61	60	55	58	59	60	60	55	40	38	56	31	31	37	46	53.1	
GLENN DALE BELL STA	MAX	86	88	94	90	85	79	80	79	79	86	87	90	92	91	89	88	84	75	80	79	88	89	84	70	75	79	74	62	60	62	81.5	
	MIN	68	62	72	68	53	53	61	62	61	65	61	67	65	67	66	67	66	60	62	58	68	71	64	47	40	50	35	34	40	52	58.8	
GREENBELT	MAX	87	85	87	92	87	79	77	77	77	72	84	82	89	90	84	88	86	73	75	79	77	87	88	70	69	74	77	61	62	58	79.1	
	MIN	69	61	71	69	55	53	59	63	62	62	66	66	65	69	66	67	66	60	62	55	66	71	64	50	41	51	37	34	40	51	59.0	
HAGERSTOWN	MAX	87	92	93	91	85	78	80	78	75	80	85	90	89	83	83	87	73	74	73	76	86	88	83	69	75	72	65	60	59	73	79.4	
	MIN	64	64	69	65	50	48	55	52	52	58	56	63	63	63	62	63	63	62	53	60	65	66	58	46	41	52	32	32	36	47	55.1	
HANCOCK FRUIT LAB	MAX	89	91	96	94	89	80	80	84	81	82	71	88	93	89	74	89	74	74	75	75	76	86	88	71	70	80	72	64	62	58	79.2	
	MIN	66	57	65	61	44	40	50	48	49	56	61	61	61	65	66	61	64	54	58	59	62	68	60	42	37	40	29	26	33	45	52.9	
KEEDYSVILLE	MAX	91	95	94	95	85	79	80	79	68	82	86	92	92	80	89	83	75	74	79	76	82	90	82	73	77	78	66	63	59	71	80.5	
	MIN	68	68	72	66	51	46	58	54	55	63	60	70	66	67	67	68	66	56	59	63	68	69	60	46	40	52	32	31	38	50	57.6	
LA PLATA 1 W	MAX	86	87	92	85	82	79	81	79	74	87	82	90	90	89	88	87	83	76	80	80	87	89	81	72	76	78	67	63	59	60	80.3	
	MIN	67	62	73	70	54	54	61	64	65	68	62	67	65	65	66	68	65	59	61	57	67	70	62	47	40	48	39	34	41	49	59.0	
LAUREL 3 W	MAX	87	87	93	90	88	80	78	76	76	79	83	90	91	88	88	87	84	77	81	81	87	88	82	70	76	77	72	62	60	62	80.7	
	MIN	68	65	72	70	58	58	62	61	59	64	61	69	68	70	67	68	65	61	62	61	68	72	62	53	50	58	39	41	46	53	61.0	
LEONARDTOWN 4 SSW	MAX	86	85	93	91	82	78	81	79	78	86	82	90	90	88	88	86	79	76	78	78	87	87	82	73	75	80	71	61	61	64	80.5	
	MIN	71	65	74	71	61	57	68	65	67	71	66	71	70	70	70	71	68	65	64	60	69	72	67	54	47	55	48	41	47	55	63.3	
MIDDLE RIVER 1 N	MAX		96		92	84	79	75	77	67	75	81	84	89	84	90	87	75	76	79	75	85	86	81	70	75	78	70	61	62	63	78.4	
	MIN		71		68	50	46	54	61	57	63	64	63	62	68	67	70	66	61	61	58	67	71	61	47	44	48	32	32	38	51	57.2	
MILLINGTON	MAX	88	88	94	91	84	80	80	77	72	75	86	88	90	88	87	90	75	77	79	78	88	89	79	70	75	78	69	63	62	62	80.1	
	MIN	64	61	69	69	53	46	60	59	56	64	63	68	63	65	66	65	63	58	57	55	63	65	60	46	38	48	37	31	35	48	56.3	
NATIONAL ARBORETUM D C	MAX	89	90	94	88	85	82	83	83	79	87	87	90	92	92	90	88	85	76	81	80	88	89	87	71	77	80	75	64	65	65	82.7	
	MIN	70	66	76	70	58	58	63	65	65	65	67	70	67	70	68	65	65	62	63	60	68	73	65	51	45	55	41	38	44	53	61.5	
NEW GERMANY	MAX	78	85	88																													
	MIN	61	63	65																													
OAKLAND 1 SE	MAX	83	90	85	78	73	78	77	78	74	71	83	85	78	75	82	75	66	64	77	72	79	81	75	64	73	70	58	58	56	65	74.1	
	MIN	59	53	65	60	49	36	45	40	53	56	47	55	58	62	60	59	59	55	57	57	55	52	54	37	31	42	31	23	37	44	49.7	
OCEAN CITY	MAX	84	82	95	90	78	78	75	79	75	82	88	84	87	87	92	87	78	76	75	81	82	85	78	78	76	83	69	68	65	65	80.1	
	MIN	69	69	73	76	63	61	67	69	71	71	69	73	77	75	76	75	71	71	69	64	72	74	62	56	51	56	47	47	51	58	66.1	
OWINGS FERRY LANDING	MAX	84	84	91	83	80	76	79	77	72	84	79	88	88	86	86	84	73	74	77	77	85	87	80	71	74	78	68	58	58	60	78.0	
	MIN	68	67	72	70	58	57	63	65	65	67	64	70	67	68	69	69	65	63	63	62	68	71	63	52	45	55	41	38	43	51	61.3	
PARKTON 2 SW	MAX	85	87	92	89	79	75	73	73	64	70	83	86	89	79	85	82	70	74	76	72	83	85	70	67	72	74	60	59	60	65	75.9	
	MIN	64	60	70	65	50	50	56	53	52	62	60	65	67	67	65	65	61	56	56	58	68	70	56	45	41	49	31	34	37	49	56.1	
PICARDY	MAX	90	94	93	88	80	77	85	80	71	70	88	91	87	80	87	77	72	72	74	74	88	88	72	70	79	73	62	58	56	68	78.1	
	MIN	67	63	70	66																												

Table 5-Continued

DAILY TEMPERATURES

MARYLAND AND DELAWARE
SEPTEMBER 1957

Station		Day Of Month																															Average
		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	
STEVENSVILLE 1 W	MAX MIN	85 71	85 70	91 75	91 73	85 65	79 61	77 66	78 67	76 63	85 68	85 68	83 74	90 70	90 72	88 71	87 68	80 67	85 64	85 65	85 66	85 71	86 73	85 66	69 62	74 50	77 58	75 45	60 46	69 45	60 54	81.0 64.5	
TAKOMA PARK MISS AVE	MAX MIN	85 69	87 64	92 74	88 70	80 56	78 62	78 61	77 62	71 62	84 65	79 66	88 68	89 66	83 70	88 67	87 67	74 62	76 62	79 66	78 59	86 67	88 71	80 64	68 50	74 45	78 53	67 39	57 39	63 43	78.7 60.9		
TOWSON	MAX MIN	85 66	87 62	92 71	90 68	89 54	80 49	77 61	75 59	74 57	72 61	81 63	86 67	89 64	90 67	86 67	86 68	77 64	75 59	77 60	77 60	83 68	86 72	85 60	68 47	74 41	77 41	72 34	62 32	61 42	63 43	79.2 57.6	
UNIONVILLE	MAX MIN	87 68	92 62	93 71	92 67	80 50	77 44	78 55	75 55	74 51	76 63	87 65	91 67	91 64	80 68	89 67	84 67	71 66	74 57	80 59	75 66	89 66	89 61	80 45	68 39	76 49	75 31	61 30	58 36	66 50	78.9 56.5		
U S SOLDIERS HOME D C	MAX MIN	89 70	86 68	89 71	94 72	89 58	80 58	78 62	81 62	78 63	71 63	86 66	82 66	91 67	89 70	84 68	88 70	86 65	73 61	74 62	79 61	72 66	86 70	88 64	72 57	70 47	75 49	78 41	62 42	62 43	57 48	79.6 61.0	
UPPER MARLBORO 3 NNW	MAX MIN	86 69	83 63	86 73	91 69	85 56	79 55	76 62	80 64	78 64	76 64	85 65	80 69	88 65	89 68	86 67	87 69	85 66	74 61	75 62	80 57	78 68	87 71	87 64	70 49	70 50	75 39	62 34	61 41	58 52	79.2 59.9		
VIENNA	MAX MIN	85 70	84 66	92 72	87 74	80 62	81 55	82 65	79 65	75 69	88 71	80 65	98 70	90 73	89 72	88 72	86 72	84 65	79 62	80 70	82 61	82 73	72 67	72 55	76 44	82 58	69 42	64 38	64 44	65 57	80.5 63.5		
VIIERS MILL	MAX MIN	86 68	87 63	92 74	83 54	77 53	92 59	78 61	77 61	70 61	84 64	83 66	90 70	91 65	88 70	87 67	88 68	70 66	71 61	74 63	75 63	78 68	77 72	74 63	67 47	41 36	43 35	36 41	52 52	60 52	78.8 59.1		
WALDORF POLICE BRKS	MAX MIN	84 68	82 62	88 72	85 69	81 57	78 54	74 61	75 63	75 64	86 66	89 62	85 67	89 65	88 68	90 67	86 67	83 65	82 60	79 61	77 56	84 67	84 69	84 64	66 47	73 40	75 48	66 34	58 40	59 48	78.8 59.0		
WASHINGTON WB CITY D C	MAX MIN	88 72	87 70	93 75	89 71	80 62	78 64	81 66	79 65	71 66	86 62	82 65	90 68	91 70	86 71	88 70	86 68	75 65	76 66	80 65	78 66	88 71	89 74	78 63	69 54	76 44	78 50	63 39	63 34	59 41	64 56	79.7 64.1	
WATERLOO POLICE BRKS	MAX MIN	81 69	84 62	84 71	86 68	83 56	75 51	73 59	75 64	75 61	76 62	80 65	86 68	86 66	84 70	84 68	82 68	80 65	72 61	75 60	74 58	83 68	84 68	81 63	73 52	71 44	74 50	71 38	61 36	58 41	61 54	77.1 59.5	
WESTERN PORT	MAX MIN	93 68	98 58	92 72	87 64	83 54	81 48	87 60	83 54	76 58	70 60	90 58	92 62	86 66	80 68	89 66	83 63	72 60	72 59	78 62	76 64	89 66	92 61	75 59	74 44	38 31	50 30	67 49	62 39	58 49	80.4 55.7		
WESTMINSTER	MAX MIN	85 67	87 64	90 70	87 68	82 51	76 48	74 57	72 54	71 53	74 61	85 62	88 67	89 64	83 65	84 64	85 65	70 54	73 57	74 60	74 60	85 67	86 68	80 60	68 46	73 41	73 52	64 32	59 37	66 48	77.2 56.6		
WOODSTOCK	MAX MIN	88 68	89 60	90 71	89 67	83 54	78 47	74 57	75 59	65 57	75 63	84 65	89 66	90 64	82 68	88 67	85 67	73 66	76 59	78 60	76 56	86 68	88 72	80 61	68 48	74 41	76 48	66 33	61 32	59 39	64 51	78.3 57.8	
DELAWARE																																	
BRIDGEVILLE 1 NW	MAX MIN	85 70	86 66	94 72	86 72	82 57	80 50	78 65	77 65	75 67	81 70	84 64	88 68	90 73	89 70	87 70	87 69	78 68	77 65	77 64	80 65	87 66	89 70	79 66	70 54	75 44	80 49	69 37	60 40	61 56	79.8 61.6		
DOVER	MAX MIN	87 67	88 66	95 71	95 73	86 60	80 51	80 62	77 59	75 64	76 68	86 67	90 66	92 68	89 71	91 70	88 69	87 69	79 67	80 63	82 60	85 67	89 70	87 60	75 54	76 45	76 51	71 39	65 39	68 51	81.9 60.8		
GEORGETOWN 5 SW	MAX MIN	84 69	89 66	93 72	89 72	85 59	82 50	80 64	77 64	75 67	83 71	85 64	88 67	90 74	88 71	89 70	87 70	82 69	77 66	82 64	89 66	89 66	81 55	71 47	75 41	81 50	73 42	62 34	63 40	65 57	81.1 61.6		
LEWES	MAX MIN	82 67	84 67	95 72	92 72	79 68	78 55	76 65	72 67	74 67	77 70	82 62	89 66	92 78	90 70	90 70	89 70	80 69	76 68	75 66	80 66	88 66	90 72	76 65	70 58	77 45	83 56	68 40	64 40	66 60	79.8 63.1		
MIDDLETOWN 2 S	MAX MIN	87 67	89 67	94 75	88 72	80 55	81 51	78 65	78 63	73 62	75 67	85 67	89 68	91 69	86 70	90 68	89 71	76 67	78 64	81 63	80 62	88 69	91 72	77 61	71 49	75 44	78 47	63 36	63 41	64 54	80.0 60.8		
MILFORD	MAX MIN	86 69	88 62	95 69	91 72	82 57	80 50	78 63	78 65	73 66	78 68	85 65	89 66	92 71	89 70	89 69	86 69	81 67	76 66	76 65	82 66	88 66	88 70	82 64	72 49	75 52	78 44	63 38	62 40	64 56	80.5 61.2		
NEWARK UNIVERSITY FARM	MAX MIN	88 64	88 61	93 72	89 72	87 54	80 49	75 59	77 61	75 57	71 63	84 64	85 67	89 68	87 68	88 67	87 67	81 60	75 60	78 58	78 66	87 66	87 69	85 61	69 50	73 43	75 52	68 35	63 38	63 49	79.6 56.5		
SELBYVILLE	MAX MIN	82 68	83 64	92 73	91 73	81 61	80 49	75 64	75 63	73 68	78 71	83 65	85 64	90 70	90 71	89 71	86 71	74 69	78 67	82 67	87 63	86 72	76 69	72 56	76 42	82 49	69 38	61 41	65 57	65 57	79.5 62.0		
WILMGTON N CASTLE WBAP	MAX MIN	86 65	85 66	93 72	87 68	78 56	79 50	73 64	77 61	69 61	71 64	84 65	83 66	88 67	83 69	87 70	85 69	76 66	75 62	78 61	77 60	84 69	88 71	75 59	68 51	72 45	76 47	61 37	60 38	63 42	64 52	77.5 59.8	
WILMINGTON PORTER RESVR	MAX MIN	84 65	84 67	92 72	87 69	77 55	80 54	72 63	75 62	60 60	70 64	83 64	82 66	88 67	83 69	87 68	85 68	73 65	74 60	77 59	75 60	83 68	86 71	74 61	66 53	72 49	74 47	60 38	63 45	63 51	76.6 59.9		

EVAPORATION AND WIND

MARYLAND AND DELAWARE
SEPTEMBER 1957

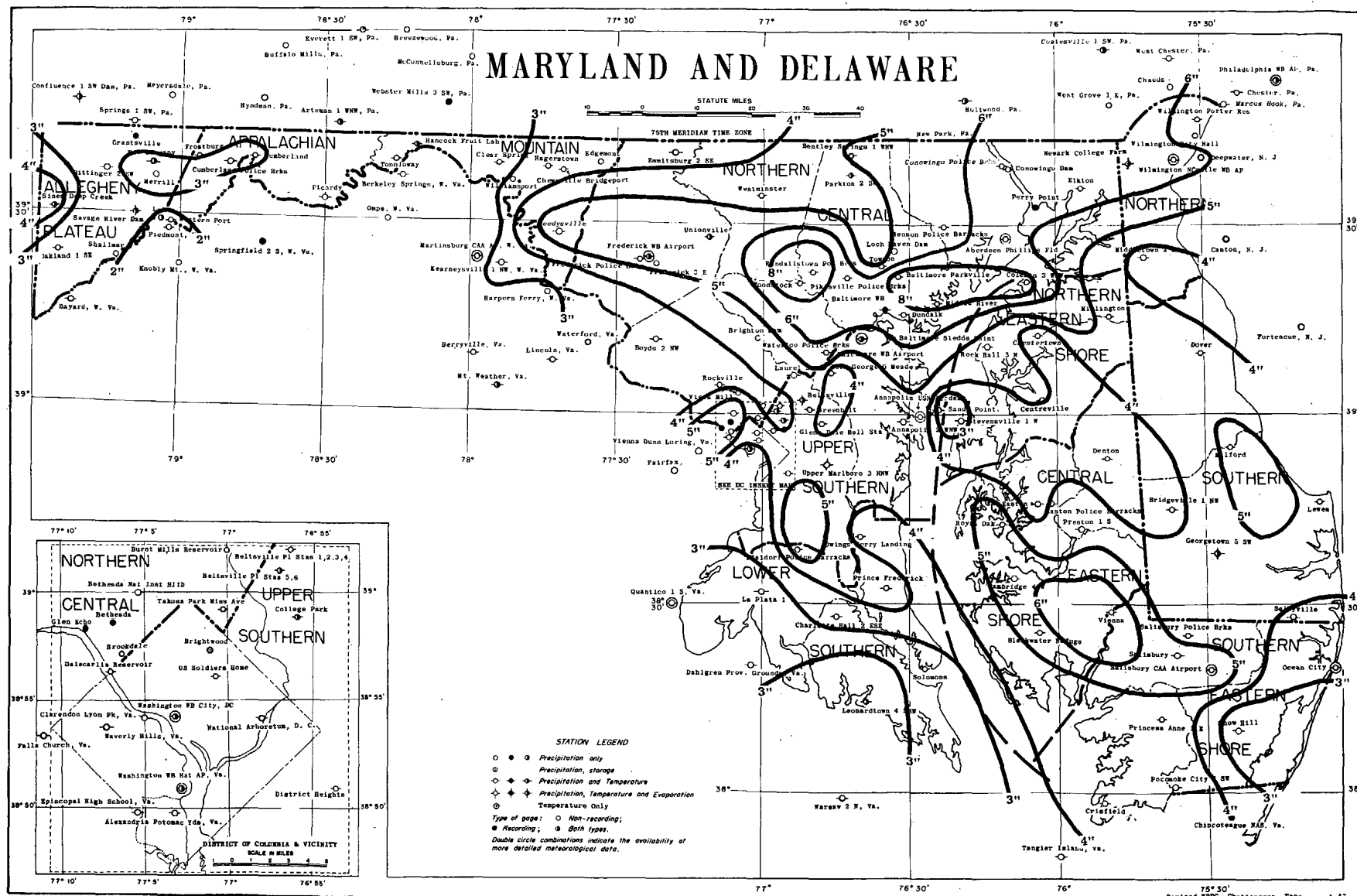
Table 6

Station		Day of month																															Total or Avg.
		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	
BELTSVILLE, MD.	EVAP	.04	.10	.36	.13	.36	.13	.13	*	.18	.07	.26	.00	.17	.00	.18	.30	.40	.06	.22	.06	.03	.13	.24	.15	.20	.12	.12	.16	.10	.14	4.54 618	
	WIND	15	19	51	33	45	42	28	16	26	65	33	10	9	8	5	22	27	10	19	6	5	5	17	3	18	7	35	24	10	5		
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79	78	78	79	79	78	77	79	80	81	80	81	81	80	79		
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	76	76	75	76	75	74	76	76	75	75	76	77	78	78		
SAVAGE RIVER DAM, MD.	EVAP	.18	.20	.19	.12	.29	.26	.11	.20	*	*	.19	.18	.15	.07	.06	*	*	.20	.14	*	*	.21	.20	.05	.18	.15	.09	.18	.05	.06	3.71 981	
	WIND	26	30	20	39	50	43	45	42	19	65	29	15	21	16	26	20	6	26	62	46	10	13	30	38	41	28	51	39	33	52		
	MAX	84	83	85	84	80	81	61	78	76	59	68	86	89	84	76	89	75	75	73	81	75	89	91	72	75	79	70	70	63	57		
	MIN	65	62	63	62	53	46	46	50	49	55	56	56	61	60	72	67	66	63	61	61	66	65	63	49	45	45	41	34	35	43		
UPPER MARLBORO 3 NNW, MD	EVAP	.19	.20	.21	.22	.19	.02	.27	*	*	.24	.11	.07	.04	.29	-	.20	-	.22	.08	.13	.08	.13	.15	.05	.14	.15	.09	.14	.18	.01	B4.07 138	
	WIND	1	1	8	5	10	2	1	*	*	13	3	0	1	2	1	6	5	3	5	0	1	0	7	2	4	3	31	10	4	9		
	MAX	91	98	91	91	87	86	79	-	-	84	86	85	93	94	91	75	88	76	75	86	77	77	90	72	79	79	77	71	68	56		
	MIN	72	70	72	71	62	61	62	-	-	77	69	70	70	73	71	70	68	75	63	62	66	71	67	54	50	66	43	45	45	50		
GEORGETOWN 5 SW, DEL.	EVAP	.12	.12	.24	.04	.28	.12	-	.05	.05	.07	.13	.12	.19	.17	.20	.18	.08	.15	.10	.10	.13	.17	.11	.19	.13	.22	.15	.10	*	.04	B3.88 854	
	WIND	13	11	50	31	60	11	34	10	26	74	7	16	27	23	16	21	23	60	22	14	12	18	41	52	23	33	65	20	12	29		
NEWARK UNIV FARM, DEL.	EVAP	.21	.19	.19	.17	.33	.17	.57	*	.10	.07	.24	-	.15	.18	.13	.23	.13	.14	.13	.09	*	*	.36	.14	.13	.12	.16	.09	.05	.04	B4.67 84.6	
	WIND	93	91	93	89	89	83	81	80	80	70	90	90	94	83	94	94	90	79	87	86	88	94	93	93	78	77	74	67	65	62		
	MAX	93	91	93	89	89	83	81	80	80	70	90	90	94	83	94	94	90	79	87	86	88	94	93	93	78	77	74	67	65	62		
	MIN	70	70	74	74	62	57	65	65	63	65	67	72	70	74	74	73	71	64	63	65	70	74	68	56	51	57	43	42	45	53		

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation								Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 a EST	7:00 a EST	1:00 p EST	7:00 p EST	Trace	01-09	10-49	50-99	100-199	200 and over	Total			
ABERDEEN PHILLIPS FIELD, MD.	-	-	-	-	-	-	83	82	58	69	3	2	3	3	0	1	12	-	-	
ANNAPOLIS USN ACADEMY, MD.	-	-	-	-	-	-	85	86	65	76	5	0	3	2	2	0	12	-	-	
BALTIMORE WB AIRPORT, MD.	S	15	9.5	29	W	10	85	87	63	74	6	4	3	2	1	1	17	47	7.2	
FREDERICK WB AIRPORT, MD.	-	-	-	-	-	-	-	-	-	-	1	4	5	1	2	0	13	-	-	
WASHINGTON WB CITY	SSW†	17†	6.0	31	W	12	82†	82†	59†	69†	9	2	3	1	2	0	17	47†	7.1†	
WILMINGTON WB AIRPORT, DEL.	N	12	8.9	-	-	-	85	85	59	71	7	2	2	2	2	1	16	-	6.7	
† Airport Data																				

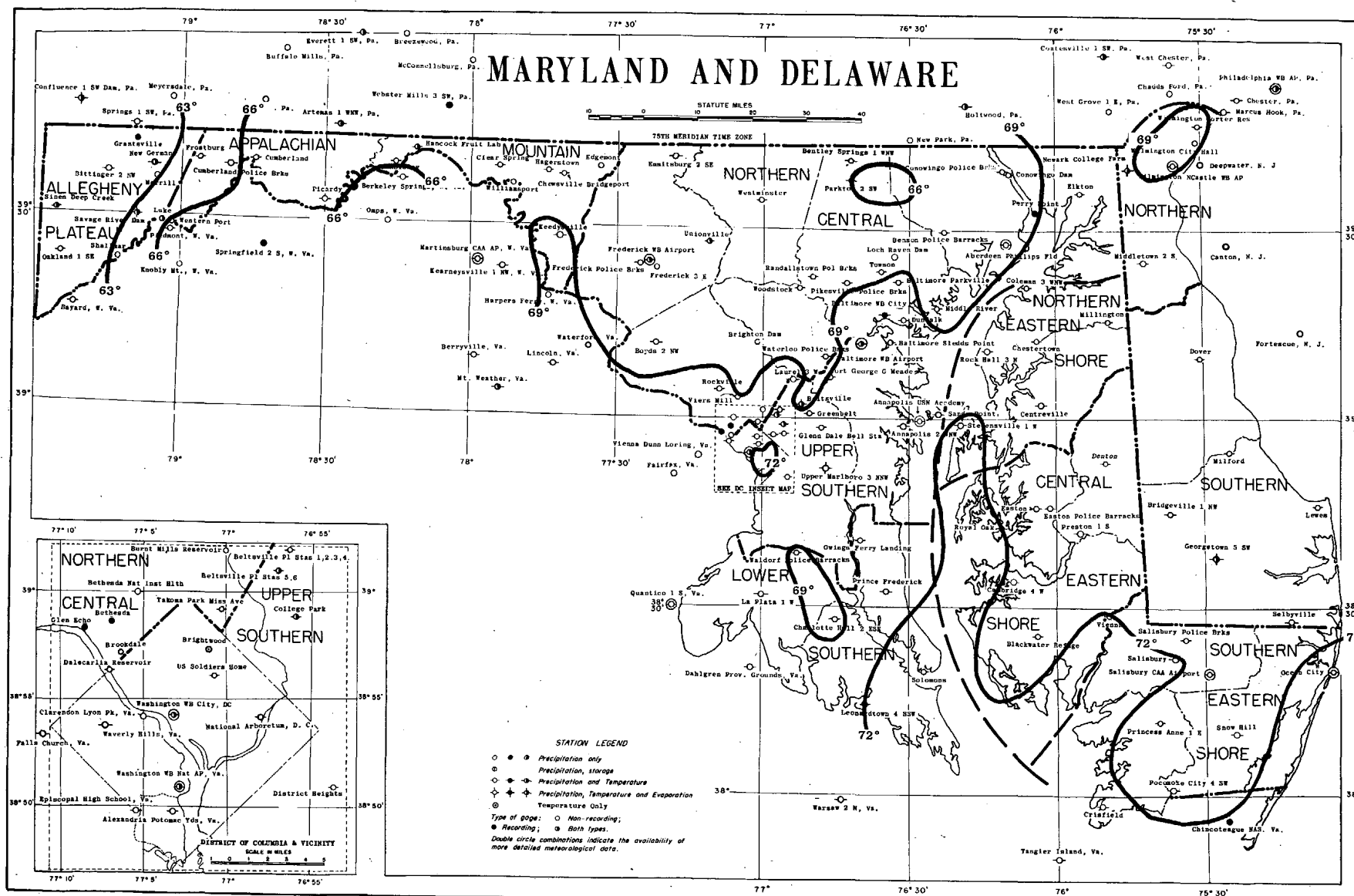
† Airport Data



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

TOTAL PRECIPITATION

**MARYLAND AND DELAWARE
SEPTEMBER 1957**



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

STATION INDEX

MARYLAND AND DELAWARE
SEPTEMBER 1957

Station	Index No.	County	Drainage	Latitude	Longitude	Elevation	Observation Time	Observer	Refer To Tables	Station	Index No.	County	Drainage	Latitude	Longitude	Elevation	Observation Time	Observer	Refer To Tables
MARYLAND										OWINGS FERRY LANDING	6770	CALVERT	4	38 42	76 41	120	7P	THOMAS J. BOURNE	2 3 5 7
ABERDEEN PHILLIPS FLD	0015	HARFORD	1	39 28	76 10	62	MID	J. S. AIR FORCE	2 3 5 7	PARKTON 2 SW	6844	BALTIMORE	1	39 38	76 42	600	11P	JOHN R. FOX	2 3 5 7 C
ANNAPOLIS U S N ACADEMY	0105	ANNE ARUNDEL	1	38 59	76 29	40	MID	J. S. NAVY	2 3 5 7	PERRY POINT	6980	CECIL	1	39 33	76 04	40	MID	VETERANS ADMN	2 3 5 7
ANNAPOLIS 2 WNW	0103	ANNE ARUNDEL	1	38 59	76 33	83	SP	6P RADIO STATION WNAV	2 3 5	PICADORY	7010	ALLEGANY	5	39 33	76 30	1030	6P	POTOMAC HUND ORCHARD	2 3 5
BALTIMORE WB AIRPORT	0465	ANNE ARUNDEL	1	39 11	76 40	146	MID	U.S. WEATHER BUREAU	2 3 5 7 C	PIKESVILLE POL BRKS	7015	BALTIMORE	5	39 23	76 43	500	SP	MD STATE POLICE	2 3 5
BALTIMORE WB CITY	0470	BALTO CITY	1	39 17	76 37	14	MID	U.S. WEATHER BUREAU	2 3 5	POCOMOKE CITY 4 SW	7140	MORCESTER	1	38 01	75 37	8	7P	CLIFTON L. SHAY	2 3 5 7
BALTIMORE HAMILTON	0475	BALTO CITY	1	39 21	76 33	330	SP	W. M. KINNERSLEY JR.	2 3 5	PRESTON 1 S	7210	MORCESTER	1	38 42	75 58	50	6P	FRANKLIN D. HUSBAUM	2 3 5 7
BELTSVILLE	0700	PRINCE GEORGE	5	39 02	76 53	120	BA	BA CHESTER H. GORDON	2 3 5 6 C	PRINCE FREDERICK	7325	CALVERT	1	38 32	76 35	140	SP	BOYD KING	2 3 5
BELTSVILLE PLANT STA 1	0701	PRINCE GEORGE	5	39 02	76 56	180	BA	BA USDA PLANT IND STA	2 3 5	PRINCESS ANNE 1 E	7330	SOMERSET	1	38 12	75 40	17	SP	JEANETTE BELLINGER	2 3 5 7
BELTSVILLE PLANT STA 2	0702	PRINCE GEORGE	5	39 02	76 56	136	BA	BA USDA PLANT IND STA	2 3 5	RANDOLPHSTOWN POL BRKS	7435	BALTIMORE	5	39 23	76 30	625	SP	MD STATE POLICE	2 3 5
BELTSVILLE PLANT STA 4	0704	PRINCE GEORGE	5	39 02	76 56	265	BA	BA USDA PLANT IND STA	2 3 5	ROCK HALL 3 N	7700	KENT	1	39 11	76 14	20	6P	R. L. EMBREE	2 3 5
BELTSVILLE PLANT STA 5	0705	PRINCE GEORGE	5	39 01	76 57	100	BA	BA USDA PLANT IND STA	2 3 5 C	ROCKVILLE	7705	MONTGOMERY	5	39 05	77 09	436	4P	COUNTY POLICE	2 3 5
BELTSVILLE PLANT STA 6	0706	PRINCE GEORGE	5	39 01	76 57	215	BA	BA USDA PLANT IND STA	2 3 5	ROYAL OAK	7805	TALBOT	1	38 43	76 11	10	SP	J. L. SWANEY JR.	2 3 5 7
BENSON POLICE BARRACKS	0735	HARFORD	1	39 30	76 23	365	SP	SP MD STATE POLICE	2 3 5	SALISBURY	8000	WICOMICO	1	38 22	75 36	10	SP	CITY OF SALISBURY	2 3 5
BENTLEY SPRINGS 1 WNW	0737	BALTIMORE	1	39 41	76 42	730	SP	SP CARL A. PITTINGER	2 3 5	SALISBURY POLICE BRKS	8005	WICOMICO	1	38 25	75 34	42	SP	MD STATE POLICE	2 3 5
BETHESDA	0705	MONTGOMERY	5	38 58	77 07	320	MID	CORPS OF ENGINEERS	2 3 5	#SALISBURY CAA AIRPORT	8005	WICOMICO	1	38 20	75 30	52	MID	CIVIL AERO+ ADMN	2 3 5 7
BETHESDA NAT INST HLTH	0800	MONTGOMERY	5	39 00	77 06	310	6P	NAT. INST. OF HEALTH	2 3 5	SANDY POINT	8055	ANNE ARUNDEL	1	39 01	76 24	10	SP	U. S. NAVY	2 3 5
BITTINGER 2	0881	GARRETT	7	39 37	76 15	2700	7P	ELBERT E. BUCKEL	2 3 5 7	SAVAGE RIVER DAM	8101	GARRETT	5	39 23	79 12	1700	8A	POTOMAC RVR CDM	2 3 5 6 C
BLACKWATER REFUG	0915	DORCHESTER	1	38 26	76 08	5	4P	NAT. WILDLIFE SER	2 3 5	SHALLMAR	8101	GARRETT	5	39 23	79 12	1700	8A	CLARENCE B. KIMBLE	2 3 5
BOYDS 2 NW	1032	MONTGOMERY	5	39 12	77 20	580	6P	RALPH F. STALEY	2 3 5	SINCE DEEP CREEK	8115	GARRETT	7	39 31	79 25	2038	MID	MERRILL C. CARO	2 3 5 C
BRIGHTON DAM	1125	MONTGOMERY	4	39 12	77 01	350	6P	BA WASH SUB SANY COMM	2 3 5	SNOW HILL	8380	MORCESTER	1	38 11	75 24	14	6P	FRED W. SEILING	2 3 5 7
BROOKDALE	1170	MONTGOMERY	5	38 57	77 06	260	7P	BA FRANCIS DASHIELL	3	SOLOMONS	8405	CALVERT	1	38 19	76 27	12	6P	CHESAPEAKE BOTTLAR	2 3 5
BURNING MILL RESERVOIR	1270	MONTGOMERY	5	39 02	77 00	220	BA	BA J. M. JESTER	2 3 5	STEVENSVILLE 1 W	8557	QUEEN ANNES	1	38 59	77 00	20	10P	SP U. S. PHILLIPS	2 3 5
CAMBRIDGE 4 W	1385	DORCHESTER	1	38 24	76 09	5	6P	D. ARCY MCARDHARDING	2 3 5 7	STOKES PARK MISS AVE	8725	MONTGOMERY	5	38 59	77 00	20	10P	SP U. S. PHILLIPS	2 3 5
CENTREVILLE	1627	QUEEN ANNES	1	39 03	76 04	30	SP	SP CENTREVILLE UTIL. CO	2 3 5 7	TOWSON	8877	BALTIMORE	5	39 24	76 36	430	4P	BALTIMORE CO POLICE	2 3 5
CHARLOTTE HALL 2 ESE	1685	ST MARYS	4	39 28	76 45	107	6P	BA J. B. TENNISON	2 3 5 7	UNIONVILLE	9030	FREDERICK	5	39 27	77 11	430	6P	BA P. VON EIFF JR.	2 3 5 7 C
CHESTERTOWN	1750	KENT	1	39 13	76 04	35	11P	T. W. ELIASON JR.	2 3 5 7	UPPER MARLBORO 3 NWN	9070	PRINCE GEORGE	5	39 01	76 24	10	SP	BA P. VON EIFF JR.	2 3 5 7 C
CHESAPEAKE BRIDGEPORT	1760	WASHINGTON	5	39 38	77 41	560	SS	DR PAUL OSWALD	2 3 5	VIENNA	9140	DORCHESTER	1	38 29	75 50	12	6P	ERN SHORE PUB SVC CO	2 3 5
CLEAR SPRING	1850	WASHINGTON	5	39 39	77 52	5	SP	SP R. C. ADAMS SR	2 3 5	VIERS HILL	9187	MONTGOMERY	5	39 03	77 05	300	6P	JOHN L. SARRON	2 3 5
COLEMAN 3 WNW	1860	KENT	1	39 21	76 08	78	6P	BA W. B. HARRIS	2 3 5	WALDORF POLICE BRKS	9315	GARRETT	7	39 31	79 25	210	SP	MD STATE POLICE	2 3 5
COLLEGE PARK	1905	PRINCE GEORGE	5	39 59	76 56	70	SP	SP J. S. GEOL. SURVEY	2 3 5 C	WATERLOO POLICE BRKS	9314	HOWARD	3	39 10	76 47	230	3P	MD STATE POLICE	2 3 5
CONOWINGO DAM	2050	HARFORD	6	39 39	76 10	40	MID	MID SUSQUEHANNA ELEC CO	2 3 5 7	WESTMINSTER	9435	CARROLL	1	39 39	77 00	770	SP	BA W. J. MATHIAS	2 3 5 7
CONOWINGO POLICE BRKS	2050	HARFORD	6	39 39	76 10	195	SP	SP MD STATE POLICE	2 3 5	WESTMONTGOMERY	9570	WASHINGTON	5	39 37	77 53	360	7A	HAGENSTOWN ATR. PLT	2 3 5 7
CRISFIELD	2205	SOMERSET	1	38 59	76 32	5	SP	SP R. C. ADAMS SR	2 3 5	WOODSTOCK	9750	WASHINGTON	5	39 39	76 52	615	6P	WOODSTOCK COLLEGE	2 3 5 7
CUMBERLAND	2280	ALLEGANY	5	39 39	78 45	945	6P	BA R. R. GOLDEN	2 3 5	DISTRICT OF COLUMBIA									
CUMBERLAND POLICE BRKS	2285	ALLEGANY	5	39 38	78 50	970	SP	SP MD STATE POLICE	2 3 5	BRIGHTWOOD	1135								
DENTON	2523	CAROLINE	1	38 53	75 50	20	6P	BA JAMES K. COOPER	2 3 5 7	BRIDGEVILLE 1 NW	1330	SUSSEX	1	38 45	75 37	50	SP	WILLIAM RAY	2 3 5 7
DUNDALK	2560	BALTIMORE	1	39 08	76 31	60	SP	BA W. A. HEISLER	2 3 5 7	COVER	2790	KENT	1	39 09	75 31	25	4P	STATE HIGHWAY DEPT	2 3 5 7
EASTON	2695	TALBOT	1	38 46	76 04	20	6P	BA JOSEPH V. HALLER	2 3 5	GEORGETOWN 5 SW	3205	SUSSEX	1	38 45	75 31	25	4P	STATE HIGHWAY DEPT	2 3 5 7
EASTON POLICE BRKS	2700	TALBOT	1	38 46	76 01	60	SP	SP MD STATE POLICE	2 3 5	LEWES	5320	SUSSEX	1	38 45	75 31	25	4P	STATE HIGHWAY DEPT	2 3 5 7
EDGE MONT	2770	WASHINGTON	5	39 40	77 33	905	BA	BA LEE G. HARNES	2 3 5	MIDLETON 2 S	5852	NEW CASTLE	2	39 25	75 42	60	MID	GREEN GLANT COMPANY	2 3 5
ELKTON	2850	CECIL	1	39 36	75 50	28	6P	BA W. W. BOUCHELLE	2 3 5	MILFORD	5915	SUSSEX	1	39 25	75 26	10	6P	JOHN E. BANCUS	2 3 5
EMMITSBURG 2 SE	2975	WASHINGTON	5	39 17	77 18	420	SP	BA J. C. BEALE	2 3 5 7	NEWARK UNIVERSITY FARM	6410	NEW CASTLE	2	39 40	75 44	50	6P	UNIV. OF DELAWARE	2 3 5 6 7 C
FORT GEORGE G MEADE	3230	ANNE ARUNDEL	4	39 00	76 45	140	SP	SP FILTRATION PLANT	2 3 5 7	SELBYVILLE	6205	SUSSEX	1	38 28	75 13	32	6P	LA. WIRRIE LONG	2 3 5
FREDERICK POLICE BRKS	3348	FREDERICK	5	39 25	77 26	380	SP	SP MD STATE POLICE	2 3 5	WILMINGTON CASTLE WB AP	5955	NEW CASTLE	2	39 41	75 36	73	MID	U.S. WEATHER BUREAU	2 3 5 7
FREDERICK WB AIRPORT	3350	FREDERICK	5	39 25	77 23	294	MID	MID J.S. WEATHER BUREAU	2 3 5 7 C	WILMINGTON CITY HALL	9600	NEW CASTLE	2	39 45	75 33	95	SP	STREET DEPARTMENT	2 3 5
FREDERICK 3 E	3355	FREDERICK	5	39 24	77 22	385	6P	BA GLENNA R. STALEY	2 3 5	WILMINGTON PORTER RESVR	9605	NEW CASTLE	2	39 46	75 32	274	MID	MID WATER DEPARTMENT	2 3 5 7
FROSTBURG	3445	ALLEGANY	5	39 38	77 09	150	6P	MID CORPS OF ENGINEERS	2 3 5										
GLEN ECHO	3675	PRINCE GEORGE	5	39 08	76 48	151	4P	PLANT INTRO. GARDEN	2 3 5 7										
GLENN DALE BELL STA	3795	GARRETT	7	39 42	76 09	2380	MID	FLOYD J. MILLER	2 3 5 7 C										
GRANVILLE	3850	PRINCE GEORGE	5	39 01	76 52	200	4A	BA WILLIAM H. KLEIN	2 3 5 7										
GREENBELT	4075	WASHINGTON	5	39 02	76 11	428	BA	BA J. OF MD. FRUIT LAB	2 3 5 7 C										
HAGENSTOWN	4300	WASHINGTON	5	39 29	77 42	420	6P	BA TRAVIS D. KNOBE	2 3 5 7										
HANCOCK FRUIT LAB	4780	WASHINGTON	5	39 32	77 00	140	6P	BA C. RUSSELL LEVERING	2 3 5 7										
KEDYSVILLE	5111	PRINCE GEORGE	5	39 06	76 54	400	SP	BA PATRICK F. PLANT	2 3 5										
LA PLATA 1 W	5200	ST. MARYS	4	39 18	76 39	5	SP	BA ROBERT T. FUCHS	2 3 5 7 C										
LAUREL 3 W	5340	BALTIMORE	1	39 20	76 33	100	SP	CITY OF BALTIMORE	2 3 5										
LEONARDTOWN 4 SSW	5530	ALLEGANY	5	39 38	78 04	1020	BA	BA J. G. PATRICK	2 3 5 C										
LOCH RAVEN DAM	5904	GARRETT	7	39 36	76 05	1790	6P	BA BELMONT E. MERRILL	2 3 5										
LUKE	5917	BALTIMORE	1	39 21	76 27	60	6P	BA MRS. WILSON L. KENNEL	2 3 5										
MERRILL	5905	KENT	1	39 16	75 51	10	6P	BA LOUIS H. HOLLETT	2 3 5 7										
MIDDLE RIVER 1 N	6408	GARRETT	7	39 38	76 07	2400	BA	BA MD. DEPT. FIRST + PKG	2 3 5 7 C										
MILLINGTON	6620	GARRETT	7	39 24	76 24	2420	SP	BA R. E. WEBER	2 3 5 7										
NEW GERMANY	6609	MORCESTER	1	38 20	75 05	17	MID	MID J. S. COAST GUARD	2 3 5 7										
OAKLAND 1 SE																			
OCEAN CITY																			

1-CHESAPEAKE; 2-COASTAL; 3-PATAPSCO; 4-PATUXENT; 5-POTOMAC; 6-SUSQUEHANNA; 7-YOUGIOTHEIM

REFERENCE NOTES

Additional information regarding the climate of Maryland and Delaware may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Friendship International Airport, Baltimore, Maryland, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions, as used in Table 2, became effective with data for October 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sum of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 6. Max and Min in Table 6 refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in Table 7 are the water equivalent of snow, sleet or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record. Water equivalent of snow on the ground is measured at selected stations when two or more inches of snow are on the ground.

Entries