

U. S. DEPARTMENT OF COMMERCE

SINCLAIR WEEKS, Secretary

WEATHER BUREAU

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# CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

ANNUAL SUMMARY 1953

Volume LVII No. 13



## MARYLAND AND DELAWARE - 1953

G. N. Brancato, Section Director - Baltimore, Md.

### WEATHER SUMMARY

Although the precipitation average for the two-state area for the year was above normal, its distribution through the year and over the Section was so poor as to provide a serious drought for many areas during most of the growing season. Delaware amounts varied from 53.63 inches at Lewes to 45.15 inches at Wilmington New Castle WB Airport. Maryland amounts ranged from 54.42 inches at Fort George G. Meade to 30.15 inches at Luke. Snowfall was slightly more than one-half normal. Temperatures averaged one to three degrees above normal in all parts of Maryland and Delaware. For the entire Section, all months had above normal temperatures, some by slight amounts and some by substantial amounts. In Baltimore, the average temperature of 59.0° for the year was only two-tenths of a degree below the record of more than eighty years.

January was well above normal, the fifth successive mild January, and the eighth warmest January in almost sixty years. Precipitation amounts averaged almost one inch above normal. Amounts were above normal except that they were near normal in southern Delaware and southeastern Maryland. Snowfall in both states was about 40% of normal.

February was noteworthy with the continuation of mildness as the month was the sixth warmest February of record. The January-February 1953 interval was the third warmest such period of record. Precipitation totals were within one inch of normal at all stations, close enough to be classified as near normal. Measurable snowfall was limited to northern Delaware and northern and western Maryland, although a trace was reported at practically all stations.

March precipitation totals were heavy due to a large number of rainy periods which were rather uniformly distributed through the month. All stations had above normal amounts. The snowfall average was normal in Maryland but almost twice normal in Delaware. There was more snow in this March than in any month during the 1952-1953 season. Only a few stations failed to have above normal temperature averages but, in general, the departures were less than two degrees.

April was the sixth successive month with above normal temperatures although deviations from normal were small. Precipitation averaged slightly above normal with very few stations varying from normal by as much as one inch.

May was the wettest month of the year and was the fifth wettest May of record. Amounts of the various stations generally were two inches or more above normal except near normal in the southeastern portion of the section. Also, it was the fifth warmest May in almost sixty years.

June marked the beginning of a period of dry weather for many areas. Precipitation averages for the two-state area were only 60% of normal. A few stations near and east of the Chesapeake Bay reported above normal amounts. In Maryland, it was the fifth driest of record. A cloudburst

over parts of Baltimore on the evening of the 28th was of record proportions. Mean temperatures at most stations were within one degree of normal.

July precipitation was below normal by about one inch and relatively few stations reported totals which were above normal. The heaviest one-day rain in several years fell at Clear Spring, Maryland, on the night of July 22-23rd. With very few exceptions, mean temperatures for the month were above normal and none was as much as one degree below normal.

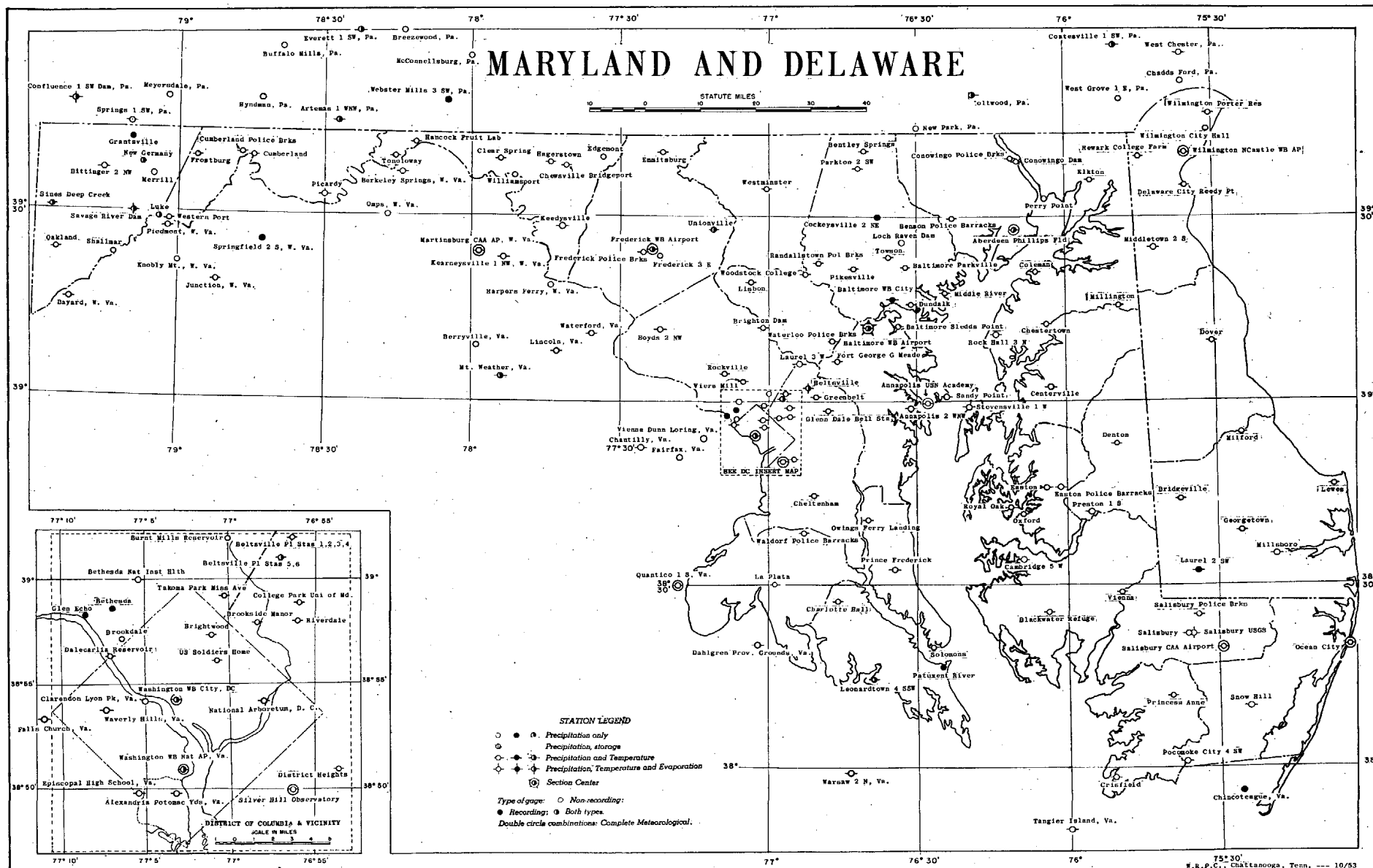
August precipitation was extremely variable over the Section. Southeastern and extreme southern Maryland, and southern Delaware recorded above normal amounts due principally to the heavy rains associated with hurricane "Barbara" on the 14th. Several amounts exceeded six inches within about fifteen hours. Temperatures averaged slightly above normal for the month. After remaining near or below normal the first three weeks, readings gradually climbed to record or near record levels of near or slightly above 100° during the last three days. A reading of 107° at Keedysville, Maryland, was within two degrees of the all-time record for the State.

The late August heat wave continued through the 4th of September. With relatively few exceptions, the highest temperatures for the year at the various stations occurred during the period August 30-September 1. The month as a whole averaged just three-tenths of a degree above normal. Precipitation totals were above normal from Prince Georges County northward and north-eastward to the Pennsylvania line. Other areas continued to have precipitation totals which were below normal.

The drought conditions continued over practically all the Section for most of October and for some areas throughout the month. Relatively few stations had as much as one-half inch of rain prior to the 27th. Wells and streams were at their lowest stage in years and, in some instances in western Maryland, had dried up and necessitated the hauling of water. Mean temperatures averaged above normal by almost two degrees.

A record early season snow for most of Delaware and central and eastern Maryland was the outstanding feature of November's weather. However, it was the sixth successive month in which precipitation averaged below normal for the Section as a whole. Above normal precipitation was limited to the southeastern areas. Temperatures averaged above normal by a small margin.

With measurable snow during December confined to the three westernmost counties of Maryland, averages of monthly snowfall equalled or were near the low records for Maryland and Delaware. Precipitation amounts averaged above normal. It was the warmest December in twelve years and the seventh warmest of record. Nevertheless, for most stations, the year's coldest temperatures were recorded on the 18-19th when temperatures lowered to 10 to 20°, but were between 10° and 4° in western and some northern counties. - H.L.A.



# AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

MARYLAND AND DELAWARE-  
1953

Table 1

Station	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
MARYLAND																										
ARBERDEEN PHILLIPS FLD	38.2	5.0	39.0	5.6	44.6	2.3	52.2	-.7	55.6	3.2	71.8	+.4	77.2	1.6	74.1	-.3	68.2	-.1	58.1	1.9	45.5	+.0	38.6	3.7	56.1	2.1
ANNAPOLIS U S N ACADEMY	39.7	5.3	41.0	6.1	46.0	2.6	54.3	1.2	57.0	3.0	73.1	+.1	79.1	1.8	76.2	+.4	70.0	+.4	60.8	2.7	48.7	1.6	41.7	4.5	58.1	2.5
ANNAPOLIS 2 NW	39.5		40.8		46.0		54.4		57.5		72.1		77.2		74.2		67.8		60.0		46.2		40.3		58.0	
BALTIMORE SLEEDS PT	39.7		39.9		45.0		54.3		58.9		73.7		78.6		75.2		67.7		60.0		47.9		39.5		57.0	
BALTIMORE WB AIRPORT	39.2	4.6	40.0	4.3	45.5	1.5	54.0	1.0	57.7	3.7	73.8	+.8	78.1	1.1	75.6	+.7	67.7	-.9	57.2	1.1	45.9	+.3	39.1	3.4	57.0	2.3
BALTIMORE WB CITY	41.7	5.1	42.2	4.9	46.7	1.4	54.7	+.4	58.2	2.9	73.9	+.4	78.7	+.2	77.0	+.6	70.4	+.0	61.5	2.2	49.7	1.0	42.8	4.0	59.0	1.9
BALTIMORE PARKVILLE	39.3		40.7		45.7		53.7		57.9		72.8		77.5		74.1		68.2		58.7		47.3		40.2		55.1	
BELTSVILLE	37.7	4.3	38.4	4.8	43.6	1.0	53.1	1.5	57.7	4.8	70.6	-.3	76.1	1.3	73.0	-.3	66.4	-.3	56.4	1.3	44.4	1.0	37.1	2.0	55.1	1.3
BELTSVILLE PLANT STA 1	37.5		38.4		42.8		52.1		56.4		69.8		75.2		71.6		65.4		55.4		43.8		36.6		54.7	
BELTSVILLE PLANT STA 2	37.7		38.2		43.2		52.0		56.4		69.8		75.2		71.6		65.4		55.4		43.8		36.6		54.7	
BELTSVILLE PLANT STA 3	37.8		39.2		43.5		52.7		56.7		70.9		78.7		73.7		67.6		57.5		45.3		38.2		55.8	
BELTSVILLE PLANT STA 4	37.8		39.4		43.6		53.0		56.7		71.4		77.1		73.8		67.5		57.8		45.9		38.0		56.0	
BELTSVILLE PLANT STA 5	37.7		38.7		43.0		51.8		56.4		70.6		78.6		73.1		67.5		58.8		43.6		36.8		54.8	
BELTSVILLE PLANT STA 6	38.4		40.0		44.5		53.7		57.8		71.8		77.3		73.8		67.5		57.8		45.8		38.6		56.4	
BENSON POLICE BARRACKS	37.8	6.5	39.7	7.9	44.1	3.6	51.7	+.8	55.5	3.8	70.7	+.8	74.9	+.6	73.4	1.0	66.4	-.1	56.9	1.5	45.5	1.4	37.3	3.1	55.3	2.5
BENTLEY SPRINGS	35.7		36.8		42.4		51.3		54.5		69.2		73.8		71.1		64.0		54.8		42.7		35.8		53.5	
BERLIN 2 NE	42.2		46.7		46.7		54.3		58.0		72.1		76.3		74.2		67.9		58.9		47.8		41.8		56.9	
BETHESDA NAT INST HLTH	39.8		41.0		45.3		54.5		58.0		72.4		76.6		74.0		67.2		57.2		45.8		40.3		56.9	
BITTINGER 2 N W	39.2	1.8	39.0	2.0	42.4	-2.7	50.8	-2.4	55.9	4.0	73.4	+.1	78.0	+.4	75.0	-.9	68.9	-1.3	59.1	1.1	47.7	-.3	41.5	3.2	58.3	1.7
BLACKWATER REFUGE	39.2		39.0		42.4		50.8		55.9		73.4		78.0		75.0		68.9		59.1		47.7		41.5		58.3	
BOYDS 2 NW	38.5		38.6		44.3		52.4		56.7		71.1		76.1		73.3		66.9		57.9		45.0		37.7		55.5	
BRIGHTON DAM	39.8		40.3		45.5		55.3		59.0		74.3		79.7		76.0		69.5		60.0		48.2		40.6		58.2	
BROOKSIDE HAVOR	40.6		41.6		46.3		54.5		58.0		72.4		77.1		73.8		67.5		57.8		45.8		38.6		56.4	
CAMBRIDGE 4 W	42.2	6.1	42.4	6.2	46.4	1.3	55.9	1.4	59.1	4.0	73.4	+.1	78.0	+.4	75.0	-.9	68.9	-1.3	59.1	1.1	47.7	-.3	41.5	3.2	58.3	1.7
CENTERVILLE	41.6	7.8	42.7	7.8	47.1	2.1	55.6	1.5	59.1	4.1	72.6	-.1	77.1	+.7	73.5	-.8	68.0	-.1	58.3	1.1	47.3	+.0	41.0	3.8	57.8	2.1
CHARLOTTE HALL	39.0		40.5		44.9		53.7		57.4		71.9		77.2		73.4		67.5		58.5		46.0		39.4		56.6	
CHELTENHAM	39.7		40.5		45.0		53.7		57.4		71.9		77.2		73.4		67.5		58.5		46.0		39.4		56.6	
CHESTERTOWN	39.7		40.5		45.0		53.7		57.4		71.9		77.2		73.4		67.5		58.5		46.0		39.4		56.6	
CHEVISON BRIDGEPORT	37.7	6.9	39.0	7.8	43.9	2.7	52.0	1.5	56.5	5.6	72.4	3.0	76.6	2.6	73.1	1.2	66.5	-.6	56.9	2.5	43.8	+.0	38.0	5.1	55.6	3.4
CLEAR SPRING	38.4	7.2	39.3	8.5	44.7	3.5	52.6	1.5	56.5	4.8	72.9	3.6	77.6	3.4	73.1	+.9	67.0	+.7	58.7	4.3	44.1	+.7	38.5	6.0	56.1	3.7
COLEMAN	39.6	5.8	41.5	7.5	46.9	3.2	55.0	1.9	58.0	4.2	73.9	1.8	79.1	2.4	76.0	1.9	72.0	2.5	61.7	3.4	48.8	1.8	40.8	4.5	58.7	3.5
COLLEGE PARK U OF MD	37.1	7.1	37.7	6.2	43.5	2.3	51.5	+.4	55.2	2.6	70.7	+.0	75.5	+.9	73.3	+.2	66.7	+.2	57.0	2.0	43.6	+.6	36.5	3.1	54.9	2.1
CONOWINGO DAM	38.2		39.7		44.6		52.6		56.7		71.5		75.5		72.7		67.7		58.2		45.8		38.1		56.0	
CONOWINGO POLICE BRKS	38.2		39.7		44.6		52.6		56.7		71.5		75.5		72.7		67.7		58.2		45.8		38.1		56.0	
CRISFIELD	44.6	6.3	45.1	5.8	49.8	2.7	58.4	2.6	60.5	4.7	75.9	+.5	80.7	2.6	77.7	+.8	73.0	+.7	63.4	2.1	51.2	+.3	44.2	3.3	61.1	2.7
CUMBERLAND	37.2	5.8	38.5	5.3	43.9	3.2	51.7	+.4	56.4	3.4	71.4	+.5	75.2	+.7	72.9	+.8	66.4	+.4	57.8	2.1	44.9	1.8	37.9	3.8	55.3	2.3
CUMBERLAND POLICE BRKS	36.1		37.1		42.6		51.2		55.4		70.5		75.5		72.1		66.5		57.0		45.7		36.8		54.8	
DALECARLIA RESERVOIR	40.8		41.8		46.7		55.2		59.2		73.5		78.3		75.2		68.5		58.0		46.4		40.2		57.9	
DENTON	41.7	6.7	41.4	6.5	47.0	3.0	56.0	2.8	58.7	4.9	73.8	1.7	78.6	2.2	75.3	+.8	69.6	+.8	59.1	1.7	47.5	+.7	40.9	4.3	58.3	3.0
DISTRICT HEIGHTS	40.4		41.6		46.2		55.1		59.0		73.3		78.1		75.3		69.1		59.6		47.7		41.1		58.1	
DUNDALK	40.8		42.4		47.1		55.6		59.0		73.3		78.1		75.3		69.1		59.6		47.7		41.1		58.1	
EASTON	42.6		42.8		47.5		55.9		59.0		73.3		78.1		75.3		69.1		59.6		47.7		41.1		58.1	
EASTON POLICE BRKS	41.7	6.7	42.2	6.9	46.7	2.3	55.3	1.9	57.8	4.0	73.9	1.5	77.5	1.2	75.2	+.6	70.6	1.7	60.0	2.3	49.0	2.6	41.3	4.2	58.4	3.0
ELKTON	38.4	5.4	39.1	5.7	44.6	2.2	52.8	1.0	56.5	3.3	72.0	+.2	76.8	+.9	74.8	+.7	68.1	+.1	57.3	1.3	44.3	1.5	38.5	4.4	56.1	1.9
EMMITSBURG	37.9	6.7	39.4	7.0	44.3	3.4	52.4	+.5	56.7		71.6		76.1		73.1		66.6		57.0		45.4		39.1		56.3	
FALLSTON	36.8	5.3	37.7	5.9	43.2	2.7	51.3	+.4	55.4		70.5		75.2		72.9		66.4		57.8		44.9		37.9		55.3	
FORT GEORGE G MEADE	39.6	6.3	40.3	4.1	45.3	+.8	54.0	1.4	57.8	3.9	71.1	+.8	75.5	+.5	73.4	+.1	66.6	-.1	57.0	-.2	45.4	+.7	39.1	3.8	56.3	1.4
FREDERICK POLICE BRKS	38.4	6.0	40.2	6.9	45.1	2.5	53.4	+.6	58.1	4.4	72.6	+.5	78.0	1.5	73.3	+.8	67.1	+.6	57.8	1.9	44.9	1.4	38.6	3.8	56.5	2.3
FREDERICK WB AIRPORT	36.1	3.4	38.0	3.9	42.6	-.7	50.7																			

# AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

MARYLAND AND DELAWARE  
1953

Table 1-Continued

Station	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
DELAWARE																										
BRIDGEVILLE	41.7	6.3	40.9	5.5	45.5	1.3	54.4	1.4	67.1	3.8	71.9	4.4	76.1	8.2	73.5	-7	68.1	-5	58.3	9	46.3	-5	40.9	3.5	57.1	1.8
DELAWARE CITY REEDY PT	38.4	5.3	41.2M	7.2	45.3	3.3	52.6M	8.3	66.2	2.9	72.2	4.1	77.1M	5.5	74.4	-4	70.3M	1.6	58.3	6	47.0	7	40.8M	4.7	57.0	2.2
DOVER	41.3	6.1	42.0	6.5	46.4	3.0	54.3	1.1	67.5	3.8	73.1	6	78.1	1.5	75.0	3	70.4	1.6	59.6	2.1	47.4	9	41.2	4.2	58.0	2.6
GEORGETOWN	41.3		40.6		44.6		55.2M		68.4M		72.4		77.0		74.4M		69.1		58.7		47.2		41.4		57.5	
LAUREL 2 SW			42.3M		45.6M		54.8		68.2		72.3		77.3M		74.1		68.6		58.2M		47.0M		41.1M			
LEWES	41.4		39.9		45.4		53.2		64.8		71.0		75.3		73.9		67.8		57.7		47.0		41.4		56.6	
MIDDLETOWN 2 S	39.0		38.8				52.2M		66.4		71.0		76.5										39.6			
MILFORD	41.0	5.1	40.7	4.9	45.7	1.0	54.1	5	67.2	3.1	72.8	5	77.6	8	74.6	-5	69.4	1	58.6	4	47.1	5	41.3	3.2	57.5	1.5
MILLSBORO	39.9	4.0	36.0M	1	43.3M	1.2	54.0M	1.1	67.7M	4.4	72.3M	8	76.6M	3	74.4M	-3	69.0M	-1	59.7M	1.9	48.0M	8	43.0M	5.2	57.0	1.4
NEWARK COLLEGE FARM	37.3	6.3	38.8	8.8	43.8	2.7	51.7	6	65.6	3.5	71.4	1.5	75.9	1.1	73.7	1.0	67.7	1.3	57.2	1.8	44.5	8	38.1	4.9	55.8	2.9
WILMGTN NCATTLE WB AP	37.6	4.3	38.4	4.7	44.4	1.9	52.3	5	65.0	2.2	72.2	4	77.0	1.1	74.5	7	68.2	-2	58.0	1.8	45.2	-3	38.7	3.6	56.0	1.8
WILMINGTON PORTER RESV	37.2	4.5	37.9	5.3	43.8	1.5	51.8	3	64.3	1.3	71.4	1	76.1	1	74.1	1	67.9	-2	58.7	1.9	46.3	6	39.1	4.1	55.7	1.6
STATE AVERAGE	39.6	4.5	39.8	5.0	44.9	1.3	53.4	7	66.5	3.3	72.0	4	76.7	6	74.2	-2	68.8	3	58.5	1.0	46.6	-1	40.6	3.8	56.8	1.7
SECTION AVERAGE	39.3	5.5	40.2	6.4	45.1	2.2	53.6	1.2	67.3	4.4	72.0	1.0	76.8	1.5	74.0	5	67.9	3	58.2	1.7	46.2	8	39.5	4.0	56.7	2.5

## TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

MARYLAND AND DELAWARE  
1953

Table 2

Station	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 PHILLIPS FLD	5.56	2.41	2.56	- .14	5.05	1.82	4.58	1.22	4.66	1.09	2.51	- 1.07	2.37	- 1.95	1.62	- 2.96	1.68	- 1.66	3.00	.46	1.98	- .83	3.35	.68	38.92	- .93
ANNAPOLIS U S N ACADEM	3.92	.35	2.90	- .31	5.61	1.91	4.23	.58	7.49	3.45	3.86	- .17	4.49	.08	5.24	.72	2.53	- 1.26	3.21	.05	1.81	- 1.01	3.08	-.26	48.37	4.33
ANNAPOLIS 2 NW	4.98		2.91		5.49		3.53		7.47		2.58		5.29		5.10		2.90		2.38		1.91		2.89		47.49	
BALTIMORE SLEDOGS PT	4.80		2.89		6.60		4.18		5.60		1.65		6.54		2.43		2.71		3.58		1.65		3.01		45.64	
BALTIMORE WB AIRPORT	4.56	.90	2.74	- .25	6.80	3.17	4.43	.71	6.37	2.36	2.90	- .62	4.94	1.00	4.26	- .12	4.05	.59	2.83	- .54	1.32	- 1.64	3.05	.10	48.25	5.66
BALTIMORE WB CITY	4.78	1.12	2.77	- .22	6.57	2.94	3.86	.14	5.62	1.61	6.49	2.97	4.54	.60	3.25	- 1.13	3.72	.26	2.75	- .62	1.50	- 1.46	3.47	.52	49.32	6.73
BALTIMORE PARKVILLE	5.37		3.12		6.83		4.52		4.95		2.08		2.89		2.55		4.02		2.76		1.88		2.60		43.57	
BELTSVILLE	3.98	.69	2.37	.04	6.76	3.27	3.60	.46	6.66	2.57	1.87	- 1.44	2.10	- 2.02	2.62	- 2.39	4.07	.31	3.47	.00	1.40	- 1.65	3.26	.39	42.25	.29
BELTSVILLE PLANT STA 1	3.80		2.32		6.62		3.74		6.65		1.68		2.07		2.46		5.13		3.05		1.33		3.22		42.07	
BELTSVILLE PLANT STA 2	3.70		2.27		6.85		3.13		6.45		1.47		2.07		2.56		4.67		2.73		1.37		3.27		40.54	
BELTSVILLE PLANT STA 3	3.81		2.35		7.20		3.61		7.20		1.61		2.30		2.85		4.81		3.09		1.50		3.34		43.67	
BELTSVILLE PLANT STA 4	3.65		2.27		6.86		3.79		6.99		1.67		2.29		2.46		4.38		2.91		1.43		3.21		41.91	
BELTSVILLE PLANT STA 5	3.69		2.32		6.64		3.53		6.98		1.72		2.39		2.33		5.21		2.99		1.28		3.31		42.39	
BELTSVILLE PLANT STA 6	3.74		2.44		6.85		3.67		7.55		1.82		2.61		2.40		5.14		2.79		1.30		3.38		43.61	
BENSON POLICE BARRACKS	6.16	2.59	2.15	- 1.15	6.48	2.75	4.05	.44	5.66	1.83	3.04	- .94	3.58	- .84	1.35	- 3.52	4.93	.98	2.84	- .59	2.37	- .86	4.30	.86	46.91	1.55
BENTLEY SPRINGS	4.89		2.91		5.84		3.92		4.14		1.30		4.69		3.21		6.08		3.08		1.90		3.63		45.59	
BERTIN 2 NE	3.60		3.35		4.90		4.58		3.76		3.34		2.30		11.55		1.45		1.60		3.54		3.04		E47.01	
BETHESDA NAT INST HLTH	3.41		2.21		6.61		3.84		7.23		2.41		3.66		2.80		3.45		2.62		1.41		3.89		43.54	
BITTINGER 2 N W											.89		2.55		2.69		1.50		.85		1.23		2.59			
BLACKWATER REFUGE	4.75	1.38	3.26	.84	4.20	.40	2.77	.13	3.50	- 1.70	1.76	- 2.15	1.71	- 4.58	6.10	2.58	1.25	- 2.06	4.57	1.68	2.37	- 1.17	2.60	- .83	E38.84	- 5.40
BOYDS 2 NW			1.61		5.91		2.39		5.73		.80		3.87		4.86		3.37		4.17		1.54		3.66			
BRIGHTON DAM	4.23		2.23		6.56		4.44		9.00		1.33		3.58		4.07		5.19		2.46		1.17		4.06		48.32	
BRIGHTWOOD DC																										
BROOKDALE	3.85		2.13		7.60		5.04		8.56		3.34		2.75		2.10		4.19		3.08		1.65		3.93		48.22	
BROOKSIDE MANOR	4.00		2.59		7.38		4.02																			
BURNT MILLS RESERVOIR	4.80		2.48		8.23		4.41		8.35		2.12		2.60		2.89		3.80		3.18		2.15		4.11		E49.12	
CAMBRIDGE 4 W	4.33	.69	2.98	- .33	5.36	1.53	4.16	.55E	4.95	1.32	4.19	.41	3.32	- 1.23	5.86	.99	2.65	- .76	2.66	- .52	1.94	- .91	3.28	.71	E46.27	2.45
CENTERVILLE			2.60		5.17		3.18		4.91		2.18		3.01		4.15		1.75		3.26		1.37		3.28			
CHARLOTTE HALL	5.10	1.80	2.85	- .25E	7.30	3.99	3.69	.08	6.87	3.20	2.52	- 1.04	2.77	- 2.42	4.25	.49	2.37	- .66	4.97	1.65	2.36	- .27	3.28	.32	E48.33	6.89
CHELTERHAM	4.35	.63	3.23	.46	5.78	2.12	3.69	- .24	7.68	4.01	2.46	- 1.77	4.31	- .20	2.81	- 2.12	3.84	.24	4.60	1.56	1.39	- 1.39	3.17	- .05	47.31	3.25
CHESTERTOWN	5.23	1.76	2.75	- .25	5.83	2.31	3.80	.15	4.90	1.12	2.22	- 1.74	6.84	.26	3.09	- 1.12	1.92	- 1.47	4.46	1.38	2.69	- .27	3.61	.15	47.34	4.65
CHEWESVILLE BRIDGEPOST	4.06	1.36	1.90	- .27	3.97	.96E	3.19	.22	7.15	3.63	1.02	- 2.98	3.90	.74	3.09	- 1.12	1.94	- 1.13	1.22	- 1.75	1.38	- .88	3.84	1.23	E36.67	- .14
CLEAR SPRING	.61	1.54	2.34	- .28	5.26	1.70	3.37	- .27	9.04	5.58	1.34	- 2.83	10.76	6.74	2.33	- 1.87	4.03	.97	1.51	- 1.59	2.02	- .41E	3.95	.84	E50.92	10.12
COLEMAN	5.64	2.11	2.86	- .16	5.74	2.19	4.22	.72	5.77	2.08	2.54	- 1.22	3.25	- 1.16	2.28	- 2.46	2.82	- .62	4.00	1.07	2.20	- .59	3.34	.09	44.66	1.87
COLLEGE PARK U OF MD			2.45	- .57	7.09	3.56					2.35	1.54					3.85	.42								
CONOWINGO DAM	5.99	2.56	2.86	.27	5.91	2.45	3.94	.53	7.70	2.90	4.12	- .66	2.54	- 2.41	1.52	- 2.76	4.46	1.35	4.01	.61	2.51	- .90	4.04	.69	49.60	4.63
CONOWINGO POLICE BRKS	6.38		2.52		7.78		3.09		E 6.66		4.43		2.31		1.01		3.23		2.61		2.05		4.04		E46.13	
CRISFIELD	3.14	- .52	3.07	- .33	5.71	1.50	3.93	.06	5.97	.00	5.08	1.59	4.25	- .82	4.62	.07	2.23	- 1.21	.65	- 2.31	2.99	.06	2.80	- .32	42.04	2.17
CUMBERLAND	4.68	2.19	2.66	.32	5.91	2.91	3.08	.20	6.02	2.63	2.05	- 1.83	3.67	.41	2.61	- .87	1.66	- 1.09	.87	- 1.66	1.61	- .57	2.09	- .38	36.91	2.26
CUMBERLAND POLICE BRKS	4.38		2.59		5.98		3.05		6.09		1.55		4.31		2.37		1.82		.73		2.50		3.45		38.62	
DALECARLIA RESERVOIR D	4.09		2.23		5.97		3.74		7.39	E 3.00		3.49			2.08		4.42		2.20		1.70		4.05		E44.36	
DENTON	4.72	1.35	2.64	- .39	5.82	2.22	3.97	.62	6.19	2.48	2.69	- 1.12	3.54	- 1.06	7.00	2.30	1.74	- 1.74	3.46	.48	2.46	- .34	3.38	.29	47.61	5.09
DISTRICT HEIGHTS	4.31		2.42		6.53		3.82		8.11		3.70		2.78		3.16		4.35		4.64		2.36		3.50		49.68	
DUNDALK	5.06		2.83		6.16		4.10		6.89		4.79		3.90		3.48		2.31		3.43		2.80		2.87		47.82	
EASTON	4.24		2.54		5.58		4.16		7.35		1.76		3.20		6.45		1.75		3.74		2.94		3.39		47.10	
EASTON POLICE BRKS																										
EDGEWOOD	5.04	1.66	2.41	- .74	6.10	2.40	4.70	1.31	8.00	4.51	.64	- 3.18	2.22	- 2.33	5.80	1.34	2.93	- .44	3.84	.65	2.04	- .73	4.34	1.27	48.06	5.72
ELKTON	3.78	1.18	1.79	- .09	5.62	2.38	3.47	.07	6.88	2.12	1.22	- 2.63	2.80	- .77	2.65	- 1.27	2.75	- .24	1.34	- 2.51	1.28	- 2.24	3.95	.95	37.53	3.05
EMMITSBURG	5.82	2.43	3.28	.37	6.14	2.39	4.58	.91	7.33	2.98																

# TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

MARYLAND AND DELAWARE  
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Table 2-Continued

Station	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	
VIER'S MILL	4.51		2.15		7.30		4.10		8.30		2.05		3.61		3.83		4.71		2.84		1.64		4.21		E49.25		
WALDORF POLICE BRKS	4.27		2.20		7.20		3.79		4.62		1.60		2.99		3.61		2.68		2.81		1.75		4.18		41.70		
WASHINGTON WB CITY DC	3.67	.26	2.23	-.41	7.07	3.71	4.18	.98	6.22	2.31	2.65	-.76	3.21	-.90	2.30	-2.19	4.60	.24	2.89	-.08	1.76	-1.06	3.38	.63	44.17	2.73	
WATERLOO POLICE BRKS	4.55		2.86		8.60		4.51		6.80		2.14		2.74		4.18		2.73		2.78		1.73		4.44		48.06		
WESTERN PORT	4.97	2.24	2.75	.45	5.96	2.95	4.11	.99	4.95	1.28	3.67	-.32	3.50	-.21	2.54	-1.17	2.10	-.72	.72	-1.87	1.03	-1.06	2.28	-.17	38.98	2.39	
WESTMINSTER	4.58	1.37	2.52	-.41	6.07	2.35	3.56	.11	5.58	1.82	.85	-3.25	1.90	-2.12	4.29	-.31	4.90	1.15	2.71	-.59	2.38	-.64	5.58	2.36	44.92	1.84	
WHITE HALL	4.84		3.19		6.06		3.13		6.68		2.16																
WILLIAMSPORT	4.84	1.99	2.10	.18	4.55	1.24	2.86	-.29	6.15	1.59	-2.86	4.82	1.69	2.09	-1.99	2.71	-.09	1.08	-2.47	1.31	-1.72	3.23	.08	37.13	-2.23		
WOODSTOCK COLLEGE	4.41	1.12	2.38	-.61	6.01	3.26	3.82	.54	5.86	2.14	1.32	-2.48	3.64	-.29	3.42	-.72	5.94	2.39	3.31	.20	2.17	-.67	4.08	1.05	47.16	5.93	
STATE AVERAGE	4.41	1.04	2.65	-.25	5.94	2.34	3.86	.35	6.10	2.36	2.31	-1.67	3.34	-.94	3.81	-.61	3.13	-.27	2.65	-.32	2.02	-.73	3.40	.23	43.62	1.53	
DELAWARE																											
BRIDGEVILLE	3.85	.24	2.98	-.28	5.22	1.41	4.77	1.28	5.58	1.86	3.72	-.13	2.47	-2.65	9.36	4.68	2.09	-1.28	4.09	.97	1.17	-1.53	2.65	-.49	47.95	4.34	
DELAWARE CITY REEDY PT	5.89	2.79	2.87	.18	5.39	2.10	4.91	1.53	4.39	.88	3.22	-.66	3.53	-.20	3.09	-1.34	1.20	-2.27	5.75	2.97	1.90	-.69	4.05	.76	46.19	6.02	
DOVER	4.26	.79	3.49	.29	5.28	1.25	3.87	.29	7.33	3.52	1.64	-2.02	3.88	-.84	4.11	-.76	1.36	-2.32	5.23	2.33	2.71	-.43	3.16	-.16	46.32	1.88	
GEORGETOWN	3.22		3.57		4.65		3.87		4.27		3.17		2.05		9.33		2.38		3.35		3.34		2.81		46.21		
LAUREL 2 SW	3.30		3.52		4.43		3.80		3.66		2.36		3.39		9.60		2.07		2.77		3.72		2.73		E45.35		
LEWES	4.13		3.99		5.70		5.05		6.12		2.80		2.92		11.06		2.02		2.78		4.02		3.04		53.63		
MIDDLETOWN 2 S	5.12		2.37		5.30		3.78		5.87		2.40		3.53														
MILFORD	3.60	-.26	2.52	-.93	5.03	.90	4.12	.47	6.04	2.19	4.03	.34	4.79	.28	.12	4.08	1.50	-2.02	6.93	3.63	2.63	-.36	2.82	-.72	E53.13	7.60	
MILLSBORO	3.60	-.27	3.50	.00	4.51	.41	4.17	.52	4.03	.43	4.95	1.11	3.73	-1.06	11.21	5.89	.94	-2.74	2.44	-1.10	4.35	1.34	2.95	-.68	E50.38	3.85	
NEWARK COLLEGE FARM	5.96	2.81	2.87	-.11	5.99	2.55	4.67	1.22	6.13	1.82	2.03	-1.70	4.28	-.64	1.87	-2.48	3.78	.42	3.53	.44	1.95	-.99	3.88	.30	46.94	3.64	
WILMGTON NCATTLE WB AP	5.14	1.58	2.69	-.29	5.72	2.11	4.76	1.12	5.39	1.58	2.52	-1.50	3.21	-1.28	1.89	-3.39	3.64	-.16	3.87	.88	2.19	-1.14	4.13	1.14	45.15	.65	
WILMINGTON CITY HALL	5.16	1.64	2.32	-.84	6.27	2.68	4.64	1.11	6.49	2.75	3.25	-.75	4.12	-.59	2.40	-2.53	3.95	.49	3.27	.18	2.13	-.96	4.20	.75	E48.20	3.93	
WILMINGTON PORTER RESV	4.87	1.33	2.62	-.35	5.83	2.05	5.35	1.53	5.81	2.03	2.39	-1.66	5.93	1.14	2.48	-2.62	2.74	-.88	3.26	.28	2.09	-1.10	4.55	1.25	47.92	3.00	
STATE AVERAGE	4.51	.92	3.08	-.11	5.25	1.39	4.43	.89	5.39	1.69	2.75	-1.03	3.64	-1.05	6.65	1.81	2.17	-1.24	4.00	.91	2.73	-.26	3.53	.11	48.13	4.03	
SECTION AVERAGE	4.43	1.03	2.70	-.23	5.86	2.22	3.93	.42	6.02	2.28	2.36	-1.60	3.37	-.95	4.11	-.36	3.03	-.37	2.79	-.19	2.09	-.69	3.41	.21	44.10	1.77	

## TEMPERATURE EXTREMES AND FREEZE DATA

MARYLAND AND DELAWARE  
1953

Table 3

Station	Highest	Date	Lowest	Date	Last spring minimum of			First fall minimum of			No. of days between dates		
					24° or below	28° or below	32° or below	32° or below	28° or below	24° or below	24° or below	28° or below	32° or below
MARYLAND													
ABERDEEN PHILLIPS FLD	102	8-31	16	12-18	3- 9 (20°)	3-11 (27°)	4-22 (32°)	11- 5 (31°)	11- 8 (24°)	11- 8 (24°)	244	242	197
ANNAPOLIS USN ACADEMY	102	8-31	19	12-18	3- 9 (24°)	3- 9 (24°)	3-11 (29°)	11- 6 (30°)	12-16 (27°)	12-17 (24°)	283	282	240
ANNAPOLIS 2 WNW	101	8-31	14	12-18	3- 9 (18°)	4-22 (28°)	4-22 (28°)	10- 8 (30°)	11- 7 (28°)	11-14 (24°)	250	199	169
BALTIMORE SLEDDES POINT	103	8-31	15	12-18	3- 9 (17°)	3-11 (28°)	4-22 (30°)	11- 6 (29°)	11- 8 (28°)	12-17 (19°)	283	242	198
BALTIMORE WB AP	102	8-31	15	12-18	3- 9 (19°)	3-11 (28°)	4-20 (32°)	11- 6 (27°)	11- 6 (27°)	12-16 (24°)	282	240	200
BALTIMORE WB CITY	100	8-31	20	12-24	3- 8 (23°)	3- 9 (25°)	3-11 (30°)	11- 6 (28°)	11- 6 (28°)	12-17 (24°)	284	242	240
BALTIMORE PARKVILLE	100	8-31	14	12-18	3- 9 (21°)	3-11 (25°)	4-22 (31°)	11- 6 (27°)	11- 6 (27°)	12-17 (16°)	283	240	198
BELTSVILLE	101	9- 1	13	12-19	3- 8 (20°)	4-22 (26°)	4-22 (26°)	10- 8 (28°)	10- 8 (28°)	11- 8 (16°)	245	169	169
BELTSVILLE PLANT STA 1	100	9- 1	7	12-19	4-22 (24°)	4-22 (24°)	4-22 (24°)	10- 8 (27°)	10- 8 (27°)	11- 8 (16°)	200	169	169
BELTSVILLE PLANT STA 2	100	9- 1	7	12-19	4-22 (24°)	4-22 (24°)	4-22 (24°)	10- 8 (27°)	10- 8 (27°)	11- 8 (15°)	200	169	169
BELTSVILLE PLANT STA 3	101	9- 1	10	12-19	3- 9 (19°)	4-22 (26°)	4-22 (26°)	10- 8 (29°)	11- 6 (27°)	11- 8 (21°)	244	198	169
BELTSVILLE PLANT STA 4	101	8-31	10	12-19	3- 9 (19°)	4-20 (28°)	4-21 (31°)	10- 8 (30°)	11- 6 (25°)	12- 3 (24°)	269	200	170
BELTSVILLE PLANT STA 5	100	9- 1	7	12-19	4-22 (24°)	4-22 (24°)	4-22 (24°)	10- 8 (27°)	10- 8 (27°)	11- 8 (15°)	200	169	169
BELTSVILLE PLANT STA 6	103	9- 1	12	12-19	3- 9 (17°)	3-11 (26°)	4-21 (32°)	10- 8 (31°)	11- 6 (27°)	11- 7 (24°)	243	240	170
BENSON POLICE BRKS	101	8-30	12	12-18	3-11 (22°)	4-22 (28°)	4-22 (28°)	10- 8 (30°)	11- 6 (27°)	11- 8 (21°)	242	198	169
BENTLEY SPRINGS	99	8-31	9	12-18	3-21 (22°)	4-22 (25°)	4-22 (25°)	10- 8 (27°)	10- 8 (27°)	11- 8 (21°)	201	169	169
BERLIN 2 NE	98	7-18	13	12-18	3- 9 (22°)	3-11 (28°)	4-22 (30°)	10- 9 (31°)	11- 8 (27°)	12- 3 (22°)	269	242	170
BETHESDA NTH	100	8-30	16	12-18	3- 9 (21°)	3-11 (28°)	4-22 (29°)	10- 8 (29°)	11- 6 (27°)	11- 8 (23°)	244	240	169
BITTINGER 2 NW	92	8-31	-	-	-	-	-	10- 8 (25°)	10- 8 (25°)	11- 5 (20°)	-	-	-
BLACKWATER REFUGE	100	8-31	18	1- 5	3-11 (24°)	4-22 (28°)	4-22 (28°)	10- 8 (32°)	11-27 (27°)	12- 3 (24°)	267	219	169
BOYDS 2 NW	96	7-18	14	2- 2	3- 9 (20°)	3-11 (28°)	4-22 (32°)	11- 5 (29°)	11- 6 (26°)	11- 8 (24°)	244	240	197
BRIGHTON DAM	100	9- 2	10	12-25	3-11 (24°)	4-22 (26°)	4-22 (26°)	10- 8 (28°)	10- 8 (28°)	11- 8 (17°)	242	169	169
BRIGHTWOOD, D. C.	99	7-19	19	12-18	3- 9 (23°)	3-10 (27°)	3-12 (31°)	11- 6 (30°)	-	12-17 (20°)	283	-	239
BROOKSIDE MANOR	-	-	-	-	3- 9 (20°)	3-11 (28°)	4-22 (29°)	-	-	-	-	-	-
CAMBRIDGE 4 W	101	7-18	21	3- 2	3- 2 (21°)	3-10 (28°)	3-21 (31°)	11- 6 (30°)	11- 8 (27°)	12- 3 (23°)	276	243	230
CENTERVILLE	99	7-18	16	2- 2	3- 8 (24°)	3-21 (26°)	4-22 (29°)	10- 8 (30°)	11- 6 (28°)	11- 8 (20°)	245	230	169
CHARLOTTE HALL	99	8-31	11	12-18	3- 3 (23°)	4-20 (28°)	4-20 (28°)	10- 8 (32°)	11- 7 (28°)	11-27 (23°)	269	201	171
CHELTENHAM	-	-	10	12-19	3- 9 (22°)	4-20 (28°)	4-22 (30°)	10- 8 (31°)	11- 6 (28°)	12-17 (19°)	283	200	169
CHESTERTOWN	103	8-31	17	12-18	3- 9 (23°)	3-11 (25°)	3-21 (31°)	11- 6 (29°)	11- 7 (28°)	12-17 (21°)	283	241	230
CHEWSVILLE BRIDGEPORT	101	8-31	13	12-18	3- 9 (18°)	4-20 (26°)	4-22 (29°)	10- 8 (27°)	10- 8 (27°)	11-11 (23°)	247	171	169
CLEAR SPRING	102	8-31	14	2- 2	3- 9 (20°)	3-11 (27°)	4-22 (29°)	11- 4 (32°)	11- 5 (26°)	11-11 (24°)	247	239	196
COLEMAN	104	8-31	17	2- 2	3- 9 (23°)	3-11 (25°)	3-11 (25°)	11- 6 (30°)	12-16 (28°)	12-17 (21°)	283	280	240
COLLEGE PARK UNI OF MD	-	-	-	-	-	-	-	-	-	-	-	-	-
CONOWINGO DAM	100	8-31	12	12-18	3-11 (22°)	3-11 (22°)	4-22 (30°)	10- 8 (32°)	11- 7 (28°)	11- 8 (22°)	242	241	169
CONOWINGO POLICE BRKS	101	9- 1	12	12-18	3-11 (22°)	3-11 (22°)	4-22 (29°)	10- 8 (28°)	10- 8 (28°)	11- 8 (20°)	242	211	169
CRISFIELD	96	7- 2	22	2- 2	3- 2 (23°)	3- 9 (28°)	3-11 (32°)	11- 7 (32°)	12-17 (26°)	12-18 (24°)	291	283	241
CUMBERLAND	102	9- 3	14	2- 2	3- 9 (18°)	4-15 (28°)	4-22 (28°)	10- 8 (28°)	10- 8 (28°)	11- 6 (22°)	242	176	169
CUMBERLAND POLICE BRKS	100	8-30	10	12-25	4-15 (24°)	4-22 (25°)	4-22 (25°)	9-23 (30°)	10- 8 (21°)	10- 8 (21°)	176	169	154
DALECARLIA RES., D. C.	100	8-31	13	12-19	3- 9 (22°)	3-26 (26°)	4-22 (31°)	11- 6 (27°)	11- 6 (27°)	11- 8 (23°)	244	225	198
DENTON	102	7-18	14	12-18	3- 9 (22°)	3-21 (28°)	4-22 (29°)	10- 8 (31°)	11- 8 (22°)	11- 8 (22°)	244	232	169
DISTRICT HEIGHTS	101	8-31	13	12-19	3- 9 (22°)	3-11 (27°)	4-21 (32°)	11- 6 (26°)	11- 6 (26°)	12-17 (19°)	283	240	199
DUNDALK	102	8-31	19	2- 2	3- 9 (24°)	3- 9 (24°)	3-11 (29°)	11- 6 (29°)	12- 3 (28°)	12-17 (22°)	283	269	240
EASTON	100	8-31	21	2- 2	2- 2 (21°)	4- 9 (26°)	4-21 (31°)	11- 6 (30°)	12-17 (25°)	12-18 (23°)	319	252	199
EASTON POLICE BRKS	99	7-18	16	3- 2	3-11 (21°)	3-11 (21°)	3-21 (30°)	-	-	12-17 (22°)	281	-	-
ELKTON	102	8-31	12	12-18	3- 9 (16°)	3-21 (28°)	4-22 (30°)	10- 8 (31°)	11- 8 (15°)	11- 8 (15°)	244	232	169
EMMITSBURG	-	-	14	12-24	3- 9 (19°)	3-11 (26°)	4-21 (32°)	11- 5 (30°)	11- 6 (25°)	11- 8 (21°)	244	240	198
FALLSTON	-	-	-	-	4-20 (24°)	4-21 (28°)	4-22 (30°)	-	-	-	-	-	-
FORT GEORGE G MEADE	101	8-30	13	12-18	3- 9 (19°)	4-22 (25°)	4-22 (25°)	10- 8 (28°)	10- 8 (28°)	11- 8 (18°)	244	169	169
FREDERICK POLICE BRKS	101	8-31	14	12-18	3- 9 (19°)	3-21 (25°)	4-21 (31°)	10- 8 (32°)	11- 6 (25°)	11- 7 (24°)	243	230	170
FREDERICK WB AP	101	9- 2	15	2- 2	3-11 (24°)	4-22 (28°)	4-22 (28°)	10- 8 (30°)	11- 6 (26°)	11- 8 (18°)	242	198	169
FRIENDSVILLE 2 W	-	-	-	-	-	-	-	-	-	-	-	-	-
FROSTBURG	97	8-30	7	12-18	3-10 (24°)	4-21 (27°)	4-22 (31°)	10- 8 (25°)	10- 8 (25°)	11- 6 (20°)	241	170	169
GLENN DALE BELL STA	101	8-31	9	12-19	3-21 (24°)	4-22 (25°)	4-22 (25°)	10- 8 (27°)	10- 8 (27°)	11- 8 (17°)	232	169	169
GREENBELT	102	9- 1	14	2- 2	3-10 (23°)	4-22 (27°)	4-22 (27°)	10- 8 (30°)	11- 7 (28°)	11- 8 (23°)	243	199	169
HAGERSTOWN	100	8-31	14	12-18	3- 9 (18°)	3-11 (25°)	4-21 (29°)	10- 8 (31°)	11- 6 (26°)	12-17 (16°)	283	240	170
HANCOCK FRUIT LAB	103	9- 3	7	12-25	4-22 (23°)	4-22 (23°)	4-22 (23°)	8-24 (29°)	10- 8 (22°)	10- 8 (22°)	169	169	155
KEEDYSVILLE	107	8-31	12	12-18	3- 9 (17°)	4-22 (28°)	4-22 (28°)	10- 8 (27°)	10- 8 (27°)	11-11 (22°)	247	169	169
LA PLATA	102	8-31	10	12-19	3-21 (23°)	3-11 (27°)	4-21 (32°)	10- 8 (32°)	11- 6 (28°)	12- 3 (24°)	269	240	170
LAUREL 3 W	101	8-30	14	12-18	3- 9 (21°)	3-11 (27°)	4-21 (32°)	11- 6 (26°)	11- 6 (26°)	12-17 (17°)	283	240	199
LEONARDTOWN 4 SSW	99	7- 2	18	12-18	3- 9 (24°)	3-11 (27°)	4-22 (29°)	11- 6 (31°)	11- 9 (27°)	12- 3 (22°)	269	243	198
LISBON	-	-	12	12-19	3-11 (24°)	3-21 (28°)	4-22 (29°)	-	-	-	-	-	-
MIDDLE RIVER	100	8-31	14	12-18	3- 8 (24°)	3- 9 (28°)	4-22 (31°)	11- 6 (29°)	11- 8 (28°)	12-17 (19°)	284	244	198
MILLINGTON	103	8-31	13	12-18	3- 9 (20°)	3-21 (28°)	4-22 (31°)	10- 7 (32°)	11- 8 (23°)	11- 8 (23°)	244	232	168
NATIONAL ARBORETUM, DC	102	8-30	-	-	-	-	-	11- 6 (28°)	11- 6 (28°)	12-17 (21°)	-	-	-
NEW GERMANY	-	-	-	-	4-20 (24°)	4-22 (26°)	4-22 (26°)	-	-	-	-	-	-
OAKLAND	95	8-31	2	1- 2	4-22 (23°)	4-22 (23°)	4-22 (23°)	9-14 (29°)	9-23 (26°)	10- 8 (17°)	169	154	145
OCEAN CITY	95	7-29	13	12-18	None	3- 9 (28°)	3- 9 (28°)	11- 6 (28°)	11- 6 (28°)	12-17 (20°)	-	242	242
OWINGS FERRY LANDING	104	8-31	16	12-18	3- 9 (21°)	3-11 (28°)	4-20 (31°)	11- 6 (30°)	11-27 (28°)	12-17 (19°)	283	261	200
OXFORD	94	7-30	19	2- 2	3- 8 (24°)	3-11 (28°)	3-11 (28°)	11- 6					



# TEMPERATURE EXTREMES AND FREEZE DATA

MARYLAND AND DELAWARE  
1953

Table 3-Continued.

Station	Highest	Date	Lowest	Date	Last spring minimum of			First fall minimum of			No. of days between dates		
					24° or below	28° or below	32° or below	32° or below	28° or below	24° or below	24° or below	28° or below	32° or below
UNIONVILLE	103	8-31+	10	12-18	4-22 (24°)	4-22 (24°)	4-22 (24°)	10- 8 (25°)	10- 8 (25°)	11- 8 (18°)	200	169	169
US SOLDIERS HOME, D. C.	102	9- 1	12	12-18	3- 9 (21°)	3-11 (26°)	4-20 (32°)	11- 6 (27°)	11- 6 (27°)	12-17 (17°)	283	240	200
VIENNA	99	7-30+	17	12-18	3-11 (22°)	3-11 (22°)	4-21 (30°)	10- 8 (32°)	11- 7 (27°)	12- 3 (24°)	267	241	170
VIERS MILL	100	9- 2	14	12-18+	-	-	-	10- 9 (31°)	11- 6 (28°)	11- 7 (19°)	-	-	-
WALDORY POLICE BRES	-	-	15	12-19	3-11 (24°)	4-22 (28°)	4-22 (28°)	10- 8 (30°)	11- 6 (28°)	11- 8 (18°)	242	198	169
WASHINGTON WB CITY, DC	103	8-30	19	12-18+	3- 2 (23°)	3- 9 (25°)	3-11 (31°)	11- 6 (29°)	12-16 (27°)	12-17 (21°)	290	280	240
WATERLOO POLICE BRKS	100	8-31+	13	12-19	3- 9 (18°)	3-11 (27°)	4-21 (29°)	11- 6 (27°)	11- 6 (27°)	11- 8 (21°)	244	240	199
WESTERN PORT	104	9- 3	14	12-18+	3-10 (21°)	4-22 (28°)	4-22 (28°)	10- 8 (28°)	10- 8 (28°)	11-11 (23°)	246	169	169
WESTMINSTER	100	9- 2+	14	2- 2+	3-11 (24°)	4-20 (26°)	4-22 (31°)	10- 8 (29°)	11- 6 (25°)	11- 8 (24°)	242	200	169
WOODSTOCK COLLEGE	99	7-18+	10	12-19	3- 9 (20°)	4-22 (25°)	4-22 (25°)	10- 8 (27°)	10- 8 (27°)	11- 8 (21°)	244	169	169
DELAWARE													
BRIDGEVILLE	99	7-18	11	12-18	3- 9 (20°)	4-22 (28°)	4-22 (28°)	10- 8 (29°)	11- 7 (28°)	11- 8 (23°)	244	199	169
DELAWARE CITY REEDY PT	100	9- 1	17	2- 2+	3-11 (23°)	3-11 (23°)	4-20 (31°)	11- 6 (25°)	11- 6 (25°)	12-17 (20°)	281	240	200
DOVER	100	8-31	15	12-18	3- 9 (23°)	3-11 (25°)	3-11 (25°)	11- 6 (30°)	11- 8 (27°)	12-17 (20°)	283	242	240
GEORGETOWN	101	7-19	10	12-18	3-21 (24°)	4-23 (28°)	4-23 (28°)	10- 8 (30°)	11- 8 (27°)	11-27 (24°)	251	199	168
LAUREL 2 SW	102	7-18	12	12-26	3- 9 (20°)	3-21 (28°)	4-22 (29°)	10- 8 (29°)	11- 7 (28°)	11-27 (23°)	263	231	169
LEWES	99	8-31	14	12-18	3- 9 (19°)	3-10 (26°)	4-22 (30°)	10- 9 (31°)	11- 8 (28°)	12- 3 (24°)	269	243	170
MIDDLETOWN 2 S	-	-	13	12-18	-	-	4-22 (30°)	-	-	-	-	-	-
MILFORD	101	7-18	12	12-18	3- 9 (20°)	3-21 (27°)	4-22 (30°)	10- 8 (32°)	10-14 (28°)	12- 3 (23°)	269	207	169
MILLSBORO	100	8-31	10	12-18	3-11 (21°)	4-22 (27°)	4-22 (27°)	10- 9 (31°)	11- 8 (27°)	12- 3 (23°)	267	200	170
NEWARK COLLEGE FARM	101	8-31	12	12-18	3-11 (21°)	3-21 (28°)	4-22 (29°)	10- 8 (30°)	11- 5 (28°)	11- 8 (14°)	242	229	169
WILMINGTON NCASTLE WB AP	101	8-30+	13	12-18	3- 9 (18°)	3-11 (26°)	4-22 (32°)	11- 6 (29°)	11- 7 (28°)	11- 8 (21°)	244	241	198
WILMINGTON PORTER RES	99	8-31	14	2- 2+	3-11 (23°)	3-11 (23°)	4-21 (32°)	11- 6 (27°)	11- 6 (27°)	12-17 (17°)	281	240	199

## TOTAL EVAPORATION AND WIND MOVEMENT

Table 4

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
BELTSVILLE	EVAP	-	-	-	-	5.72	6.34	9.23	86.91	85.40	84.12	-	-	-
	DEP.	-	-	-	-	.44	.12	2.09	.72	.66	.73	-	-	-
	WIND	-	-	-	-	1325	1001	1192	1092	1140	1108	-	-	-
SALISBURY U S G S	EVAP	1.49	2.35	3.67	5.49	7.33	7.66	9.44	6.87	5.86	3.40	1.89	1.89	57.34
	DEP.	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	1891	1857	2239	2213	1694	1372	1240	1033	1273	1219	1117	1956	19104
SAVAGE RIVER DAM	EVAP	-	-	-	-	5.67	6.65	7.23	5.84	84.80	83.53	-	-	-
	DEP.	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	-	-	-	1433	1183	899	988	1134	1315	1285	-	-

### † CHANGES IN STATION NAMES

#### NEW NAME

BERLIN 2 NE, MD.  
CAMBRIDGE 4 W, MD.  
DENTON, MD.  
FRIENDSVILLE 2 W, MD.

#### OLD NAME

BERLIN, MD.  
CAMBRIDGE 5 W, MD.  
DENTON 1 NE, MD.  
FRIENDSVILLE 4 NNW, MD.

#### DATE

January 1953  
November 1953  
January 1953  
May 1953

### RELOCATIONS

BERLIN 2 NE, MD.  
CAMBRIDGE 4 W, MD.  
COCKEYSVILLE 2 NE, MD.  
DENTON, MD.  
FRIENDSVILLE 2 W, MD.

All equipment moved 1.7 miles NW  
All equipment moved 1/4 mile ENE  
Recording gage moved 30 feet S  
All equipment moved 1 mile SW  
All equipment moved 3 miles SSW

January 16, 1953  
November 5, 1953  
June 15, 1953  
January 17, 1953  
May 11, 1953

LA PLATA, MD.  
LISBON, MD.  
LISBON, MD.  
MIDDLE RIVER, MD.  
NATIONAL ARBORETUM, D. C.

All equipment moved 1/2 mile SE  
All equipment moved 100 feet NE  
All equipment moved 1.6 miles W  
All equipment moved 0.5 mile SW  
All equipment moved 500 feet SSE

January 19, 1953  
March 6, 1953  
November 15, 1953  
October 23, 1953  
June 1, 1953

VIERS MILL, MD.

All equipment moved 2 blocks S

June 24, 1953

# STATION INDEX

MARYLAND AND DELAWARE  
1955

Station	Index No.	County	Drainage†	Latitude	Longitude	Elevation	Years of record		Opened or closed during yr.		Refer to tables	Station	Index No.	County	Drainage†	Latitude	Longitude	Elevation	Years of record		Opened or closed during yr.		Refer to tables
							Temp.	Precip.	Month opened	Month closed									Temp.	Precip.	Month opened	Month closed	
MARYLAND																							
ABERDEEN PHILLIPS FIELD	0015	HARFORD	1	39 28	76 10	62	35	35			1 2 3 C	MERRILL	5894	GARRETT	5	39 36	79 05	1790		2			1 2 3
ANNAPOLIS US NAVAL ACADEMY	0185	ANNE ARUNDEL	1	38 59	76 29	40	88	88			1 2 3	MIDDLE RIVER	5916	BALTIMORE	1	39 18	76 25	15	4	4			1 2 3
ANNAPOLIS 2 NW	0193	ANNE ARUNDEL	1	38 59	76 31	65	3	3			1 2 3	MILL KENT	5995	KENT	1	39 15	75 50	27	56	56			1 2 3 C
BALTIMORE SLEEDS POINT	0460	BALTO CITY	3	39 12	76 34	153	5	5			1 2 3	NEW GERMANY	6408	GARRETT	5	39 38	75 07	2490	5	5			1 2 3
BALTIMORE WB AIRPORT	0465	ANNE ARUNDEL	3	39 11	76 40	146	19	19			1 2 3 C	OAKLAND	6620	GARRETT	7	39 24	79 24	2420	56	56			1 2 3
BALTIMORE WB CITY	0470	BALTO CITY	3	39 17	76 37	14	83	83			1 2 3 C	OCEAN CITY	6665	WORCESTER	2	38 20	75 05	17	5	5			1 2 3
BALTIMORE PARKVILLE	0475	BALTIMORE	1	39 29	76 32	305	6	6			1 2 3	OWINGS FERRY LANDING	6770	CALVERT	4	38 42	76 41	120	57	57			1 2 3
BELTSVILLE	0700	PRINCE GEORGE	5	39 02	76 53	120	16	16 13			1 2 3 4	OXFORD	6785	TALBOT	1	38 42	76 10	10	17	17			1 2 3
BELTSVILLE PLT STA 1	0701	PRINCE GEORGE	5	39 02	76 56	160	5	5			1 2 3	PARKLTON 2 SW	6844	BALTIMORE	1	39 38	76 42	600	1	1	JAN		1 2 3 C
BELTSVILLE PLT STA 2	0702	PRINCE GEORGE	5	39 02	76 56	136	5	5			1 2 3	PERRY POINT	6980	CECIL	1	39 33	76 04	40	13	13			2
BELTSVILLE PLT STA 3	0703	PRINCE GEORGE	5	39 02	76 56	200	5	5			1 2 3	PICARDY	7010	ALLEGANY	5	39 33	78 30	1090	27	27			1 2 3
BELTSVILLE PLT STA 4	0704	PRINCE GEORGE	5	39 02	76 56	265	5	5			1 2 3	PIKESVILLE	7015	BALTIMORE	3	39 29	76 43	500	6	6			1 2 3
BELTSVILLE PLT STA 5	0705	PRINCE GEORGE	5	39 01	76 57	100	5	5			1 2 3 C	POCOMOKE CITY 4 SW	7140	WORCESTER	1	38 01	75 37	8	5	5			1 2 3
BELTSVILLE PLT STA 6	0706	PRINCE GEORGE	5	39 01	76 57	235	5	5			1 2 3	PRESTON 1 S	7310	CAROLINE	1	38 42	75 55	50	5	5			1 2 3
BENSON POLICE BARRACKS	0732	HARFORD	1	39 30	76 23	365	6	6			1 2 3	PRETTYBOY DAM	7315	BALTIMORE	1	39 38	76 42	780	22	22	JAN		1 2 3
BENTLEY SPRINGS	0737	BALTIMORE	1	39 41	76 41	730	5	5			1 2 3	PRINCE FREDERICK	7325	CALVERT	1	38 37	76 33	140	1	1	JAN		1 2 3
BERLIN 2 NE	0752	WORCESTER	2	38 21	75 12	22	3	3			1 2 3	PRINCESS ANNE	7330	SOMERSET	1	38 12	75 40	17	5	5			1 2 3
BETHESDA	0795	MONTGOMERY	5	38 58	77 07	320					1 2 3 C	RANDALLSTOWN POLICE BRKS	7435	BALTIMORE	5	39 25	76 50	625	6	6			1 2 3
BETHESDA NAT INST HEALTH	0800	MONTGOMERY	5	39 00	77 06	310	3	3			1 2 3	RIVERDALE	7615	PRINCE GEORGE	5	39 38	76 56	50	8	8			1 2 3
BITTINGER 2 NW	0861	GARRETT	7	39 37	79 15	2700	1	1	MAY		1 2 3	ROCK HALL 3 N	7700	KENT	1	39 11	76 14	-	40	40			1 2 3
BLACKWATER REFUGE	0915	DORCHESTER	1	38 26	76 08	5	13	13			1 2 3	ROCKVILLE	7705	MONTGOMERY	5	39 05	77 09	440	6	6			1 2 3
BOYDS 2 NW	1032	MONTGOMERY	5	39 12	77 20	580	1	1	FEB		1 2 3	ROYAL OAK	7806	TALBOT	1	38 43	76 11	10	6	6			1 2 3
BRIGHTON DAM	1125	MONTGOMERY	4	39 13	77 02	350	5	5			1 2 3	SALISBURY	8000	WICOMICO	1	38 22	75 36	10	47	47			1 2 3
BROOKDALE	1170	MONTGOMERY	5	38 57	77 06	260	8	8			1 2 3	SALISBURY POLICE BRKS	8003	WICOMICO	1	38 25	75 34	42	6	6			1 2 3
BROOKSIDE MANOR	1185	PRINCE GEORGE	5	38 58	76 58	50	8	8			1 2 3	SALISBURY CAA AP	8005	WICOMICO	1	38 20	75 30	32	6	6			1 2 3
BURNT MILLS RESERVOIR	1278	MONTGOMERY	5	39 02	77 00	220	8	8			1 2 3	SALISBURY USGS	8007	WICOMICO	1	38 22	75 39	30	4	4			1 2 3 4
CAMBRIDGE 4 W	1305	DORCHESTER	1	38 54	76 09	5	59	59			1 2 3	SANDY POINT	8050	ANNE ARUNDEL	1	39 01	76 24	10	2	2			1 2 3
CANTERVILLE	1627	QUEEN ANNES	1	39 02	76 03	55	1	1	JAN		1 2 3	SAVAGE RIVER DAM	8065	GARRETT	5	39 31	79 08	1495	3	7 3			1 2 3 4
CARROLL HALL	1685	ST MARYS	4	38 28	76 44	167	32	32			1 2 3	SHALLMAR	8191	GARRETT	5	39 29	79 12	1700	4	4			2
CHELTENHAM	1710	PRINCE GEORGE	4	38 44	76 51	230	33	33			1 2 3	SHARPTOWN	8210	WICOMICO	1	38 33	75 43	10			JAN		C
CHESTERTOWN	1750	KENT	1	39 13	76 04	35	48	48			1 2 3	SILVER HILL OBS	8289	PRINCE GEORGE	5	38 50	76 57	284	3	3			1 2 3 C
CHEWESVILLE BRIDGEPORT	1790	WASHINGTON	5	39 38	77 41	560	56	56			1 2 3	SINES DEEP CREEK	8315	GARRETT	7	39 31	79 25	2088	29	29			1 2 3
CLAR SPRING	1800	WASHINGTON	5	39 40	77 54	364	54	54			1 2 3	SNOW HILL	8380	WORCESTER	1	38 10	75 24	34	58	58			1 2 3
COCKEYSVILLE 2 NE	1980	BALTIMORE	1	39 30	76 38	420			NOV		1 2 3 C	SOLOMONS	8405	CALVERT	1	38 19	76 27	20	82	82			1 2 3
COLEMAN	1980	KENT	1	39 21	76 07	80	56	56			1 2 3	SPARKS	8444	BALTIMORE	1	39 33	76 39	285			JAN		C
COLLEGE PARK UNI OF MD	1995	PRINCE GEORGE	5	38 59	76 56	75	67	67			1 2 3	STEVENSVILLE 1 W	8557	QUEEN ANNES	1	38 59	76 20	10	2	2			1 2 3
CONOWINGO DAM	2060	HARFORD	6	39 39	76 10	49	18	18			1 2 3	TAKOMA PARK MISS AVE	8725	MONTGOMERY	5	39 59	77 00	230	9	9			1 2 3
CONOWINGO POLICE BARRACKS	2065	HARFORD	6	39 39	76 11	195	6	6			1 2 3	TONGLOWAY	8855	WASHINGTON	5	39 40	78 13	550	29	29			1 2 3
CRISFIELD	2206	SOMERSET	1	37 59	75 21	5	34	34			1 2 3	TONSON	8877	BALTIMORE	3	39 24	76 36	415	18	41			1 2 3
CUMBERLAND	2250	ALLEGANY	5	39 39	78 45	945	83	83			1 2 3	UNIONVILLE	9030	FREDERICK	5	39 27	77 11	430	14	12			1 2 3 C
CUMBERLAND POLICE BARRACKS	2285	ALLEGANY	5	39 39	78 49	880	6	6			1 2 3	VIENNA	9140	DORCHESTER	1	38 29	75 50	12	5	5			1 2 3
DENTON	2323	CAROLINE	1	38 53	75 50	20	2	2			1 2 3	VIEWS HILL	9187	MONTGOMERY	5	39 05	77 08	300	4	4			1 2 3
DISTRICT HEIGHTS	2585	PRINCE GEORGE	4	38 51	76 54	272	8	8			1 2 3	WALDORF POLICE BARRACKS	9195	CHARLES	5	39 39	76 53	210	6	6			1 2 3
DUNDALK	2660	BALTIMORE	3	39 16	76 31	28	5	5			1 2 3	WATERLOO POLICE BARRACKS	9314	HOWARD	3	39 10	76 47	230	6	6			1 2 3
EASTON	2695	TALBOT	1	38 46	76 04	28	1	1	JAN		1 2 3	WESTERN PORT	9405	ALLEGANY	5	39 29	79 02	1000	60	60			1 2 3
EASTON POLICE BARRACKS	2700	TALBOT	1	38 46	76 01	60	63	63			1 2 3	WESTMINSTER	9435	CARROLL	1	39 35	77 00	770	44	44			1 2 3
EDGEWOOD	2770	WASHINGTON	5	39 40	77 33	920	15	15			1 2 3	WHITE HALL	9507	BALTIMORE	1	39 37	76 38	390	5	7	JULY		2
ELKTON	2860	CECIL	1	39 36	75 38	28	27	27			1 2 3	WILLIAMSPORT	9510	WASHINGTON	1	38 19	77 51	36	15	15			1 2 3
EMMITSBURG	2905	FREDERICK	5	39 41	77 21	720	87	87			1 2 3	WOODSTOCK COLLEGE	9750	BALTIMORE	3	39 20	76 53	415	84	84			1 2 3
FALLSTON	3050	HARFORD	1	39 31	76 24	450	84	84	MAY		1 2 3	DISTRICT OF COLUMBIA											
FORT GEORGE G MEADE	3230	ANNE ARUNDEL	4	39 07	76 46	195	12	12			1 2 3	BRIGHTWOOD	1135		5	38 57	77 01	260	7				1 2 3
FREDERICK POLICE BARRACKS	3245	FREDERICK	5	39 25	77 26	380	6	6			1 2 3	DALECARLIA RESERVOIR	2325		5	38 56	77 07	146	8	8			1 2 3
FREDERICK WB AIRPORT	3350	FREDERICK	5	39 25	77 23	294	10	10			1 2 3	NATIONAL ARBORETUM	6350		5	38 54	76 58	70	8	8			1 2 3
FREDERICK 3 E	3355	FREDERICK	5	39 24	77 22	385	5	5			1 2 3	U S SOLDIERS HOME	9035		5	38 56	77 01	230	8	8			1 2 3
FRIENDSVILLE 2 W	3402	GARRETT	7	39 40	79 27	2000	2	2	JULY		1 2 3	WASHINGTON WB CITY	9290		5	38 54	77 03	72	83	83			1 2 3 C
FROSTBURG	3410	ALLEGANY	5	39 38	78 56	2055	52	52			1 2 3	DELAWARE											
GERMANTOWN	3535	MONTGOMERY	5	39 10	77 23	460	33	33	FEB		1 2 3	BRIDGEVILLE	1330	SUSSEX	1	38 44	75 38	45	63	63			1 2 3
GLEN ECHO	3643	MONTGOMERY	5	38 58	77 09	150					1 2 3 C	DELAWARE CITY REEDY POINT	2825	NEW CASTLE	2	38 34	75 55	10	67	67			1 2 3
GLEN DALE BELL STATION	3675	PRINCE GEORGE	4	38 58	76 48	151	33	33			1 2 3												