

U. S. DEPARTMENT OF COMMERCE  
LUTHER H. HODGES, Secretary  
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# CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

ANNUAL SUMMARY 1963

Volume 67      No. 13



# AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

MARYLAND AND DELAWARE  
1963

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																										
SOUTHERN EASTERN SHORE 01																										
CRISFIELD HAMMOCK PT	33.5	- 5.8	32.0	- 7.9	48.0	1.5	56.9	0.0	64.3	- 2.6	74.5M	- 0.8	79.7	0.3	77.4	- 0.6	67.3	- 5.3	62.3	0.1	52.2	1.0	-	-	-	-
CAMBRIDGE SOMERS COVE	33.3	32.3	46.4	54.0	60.0	61.4	70.7	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	
OCEANO CITY WATER PLANT	33.6	30.8	49.0	53.4	61.4	61.4	70.7	74.8	73.4	74.1	73.4	74.1	73.4	74.1	73.4	74.1	73.4	74.1	73.4	74.1	73.4	74.1	73.4	74.1	73.4	
POCOMOKE CITY 1 S	34.3	32.8	49.6	55.7	63.1	63.1	72.2	76.1	74.1	73.4	74.1	73.4	74.1	73.4	74.1	73.4	74.1	73.4	74.1	73.4	74.1	73.4	74.1	73.4	74.1	
PRINCESS ANNE	34.6	33.0	49.9	56.3	63.8	63.8	73.1	76.7	74.7	73.9	74.7	73.9	74.7	73.9	74.7	73.9	74.7	73.9	74.7	73.9	74.7	73.9	74.7	73.9	74.7	
SALISBURY	32.8	31.4	48.6	54.5	61.5	61.5	71.4	76.7	74.7	73.9	74.7	73.9	74.7	73.9	74.7	73.9	74.7	73.9	74.7	73.9	74.7	73.9	74.7	73.9	74.7	
SALISBURY FAA AIRPORT	33.9	- 4.2	32.8	- 5.9	49.2	4.5	55.1	0.9	62.2	- 1.9	71.5	- 1.1	75.7	- 1.0	73.7	- 1.5	64.6	- 4.6	59.1	0.3	50.9	2.5	32.9	- 6.4	55.1	- 1.6
SNOW HILL	33.7	- 4.6	32.2	- 6.6	48.7	3.7	55.4	0.6	62.5	- 2.1	72.3	- 0.8	76.6	- 0.7	74.6	- 1.3	65.3	- 4.7	59.8	0.2	51.0	1.9	33.3	- 6.3	55.5	- 1.7
DIVISION																										
CENTRAL EASTERN SHORE 02	31.8	30.2	46.9	53.5	62.7	62.7	75.5	79.3	77.3	75.5	79.3	77.3	75.5	79.3	77.3	75.5	79.3	77.3	75.5	79.3	77.3	75.5	79.3	77.3	75.5	
BLACKWATER REFUGE	32.8	30.1	47.8	55.0	62.4	62.4	71.8M	76.0	73.8	74.5	73.8	74.5	73.8	74.5	73.8	74.5	73.8	74.5	73.8	74.5	73.8	74.5	73.8	74.5	73.8	
CAMBRIDGE 4 W	31.9	30.3	47.8M	55.2	63.6	63.6	72.8	77.0	74.5	75.9	74.5	75.9	74.5	75.9	74.5	75.9	74.5	75.9	74.5	75.9	74.5	75.9	74.5	75.9	74.5	
DENTON 1 S	33.1	- 3.5	31.4	- 5.8	49.0	4.7	56.4	1.8	64.2	- 0.5	73.5	0.3	77.0	- 0.5	74.8	- 0.8	65.7	- 3.5	60.0	1.7	50.8	2.9	33.0	- 4.9	55.7	- 7.9
EASTON POLICE BRKS	32.8	31.2	48.2	55.1	62.8	62.8	72.5	76.0	73.2	74.5	73.2	74.5	73.2	74.5	73.2	74.5	73.2	74.5	73.2	74.5	73.2	74.5	73.2	74.5	73.2	
PRESTON 1 S	32.9	30.7	48.6	56.2	63.8	63.8	73.6	78.0	75.8	76.6	75.8	76.6	75.8	76.6	75.8	76.6	75.8	76.6	75.8	76.6	75.8	76.6	75.8	76.6	75.8	
ROYAL OAK	32.9	31.5	48.6	55.8	63.3	63.3	72.6	76.9	74.6	75.9	74.6	75.9	74.6	75.9	74.6	75.9	74.6	75.9	74.6	75.9	74.6	75.9	74.6	75.9	74.6	
VIENNA	32.6	- 4.3	30.8	- 6.6	48.1	3.8	55.3	0.5	63.3	- 1.5	73.2	0.0	77.2	0.0	74.9	- 0.6	65.7	- 3.8	60.3	1.5	50.9	2.6	32.8	- 5.5	55.4	- 1.2
DIVISION																										
LOWER SOUTHERN 03	32.2M	32.2M	50.3M	56.7M	63.7M	63.7M	72.6M	76.8M	75.2	76.7	75.2	76.7	75.2	76.7	75.2	76.7	75.2	76.7	75.2	76.7	75.2	76.7	75.2	76.7	75.2	
CHARLOTTE HALL 1 ESE	32.8	31.7	49.6	56.2	63.9	63.9	71.3	75.1	73.9	74.9	73.9	74.9	73.9	74.9	73.9	74.9	73.9	74.9	73.9	74.9	73.9	74.9	73.9	74.9	73.9	
LA PLATA 1 W	33.3	31.4	49.3	56.0	62.9	62.9	71.8	75.9	73.9	74.9	73.9	74.9	73.9	74.9	73.9	74.9	73.9	74.9	73.9	74.9	73.9	74.9	73.9	74.9	73.9	
LEONARDTOWN 3 NW	33.4	- 3.6	31.1	- 6.5	48.9	4.3	56.2	1.0	64.6M	- 0.4	73.8M	0.3	77.3M	- 0.4	74.0	- 1.1	65.3	- 3.6	59.8	1.2	50.5	2.5	31.6	- 6.7	55.1	-
OWINGS FERRY LANDING	32.8M	31.8M	48.1M	56.1M	64.6M	64.6M	70.8M	75.5M	73.7M	74.5M	73.7M	74.5M	73.7M	74.5M	73.7M	74.5M	73.7M	74.5M	73.7M	74.5M	73.7M	74.5M	73.7M	74.5M	73.7M	
PRINCE FREDERICK	34.4	- 4.1	32.5	- 6.5	49.2	3.9	57.3	1.8	64.7	- 1.3	74.3	- 0.3	78.7	- 0.1	77.6	- 0.2	68.0	- 4.1	62.6	1.4	52.8	2.4	35.0	- 5.3	57.3	- 1.0
SOLOMONS	32.8	32.1	49.3	56.8	63.4M	63.4M	72.2	76.5	74.6	75.9	74.6	75.9	74.6	75.9	74.6	75.9	74.6	75.9	74.6	75.9	74.6	75.9	74.6	75.9	74.6	
WALDORF POLICE BRKS	33.1	- 4.2	31.8	- 6.2	49.2	4.4	56.5	1.3	63.8	- 1.1	72.2	- 0.9	76.4	- 0.7	74.8	- 0.7	66.3	- 3.1	59.8	1.0	50.4	2.1	31.4	- 7.1	55.5	- 1.2
DIVISION																										
UPPER SOUTHERN 04	30.1M	- 6.0	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
ANNAPOLIS	28.8	- 6.0	27.6	- 7.9	45.9	2.8	54.0	- 0.2	61.4	- 3.0	73.1	0.6	76.3	- 0.5	72.9	- 2.1	64.0	- 4.1	58.6	1.6	47.3	1.8	28.8	- 7.0	53.3	- 1.9
BALTIMORE-WB AIRPORT	27.7	26.2	44.8	53.4	60.2	60.2	69.2	74.1	71.6	73.9	71.6	73.9	71.6	73.9	71.6	73.9	71.6	73.9	71.6	73.9	71.6	73.9	71.6	73.9	71.6	
BELTSVILLE PLANT STA 5	31.1	- 4.9	29.7	- 7.1	47.9	3.9	56.6M	2.0	63.9	- 0.7	72.3	- 0.4	76.7	- 0.1	73.8	- 1.5	65.2	- 3.4	59.6	2.0	49.3	2.7	30.5	- 6.5	54.7	- 1.2
COLLEGE PARK	30.8	29.9	48.0	55.8	63.8	63.8	72.4	76.1M	74.0	75.1	74.0	75.1	74.0	75.1	74.0	75.1	74.0	75.1	74.0	75.1	74.0	75.1	74.0	75.1	74.0	
DALECARLIA RESERVOIR DC	31.0	- 4.1	29.8	- 6.1	47.7	4.5	54.5	0.8	62.4	- 1.4	71.4	- 0.6	75.3	- 0.6	73.0	- 1.5	64.5	- 3.5	58.7	1.9	49.2	3.3	29.5	- 6.5	53.9	- 1.1
FORT GEORGE G MEADE	32.0	30.3	48.4	57.3	64.0	64.0	73.1	77.5	74.8	75.9	74.8	75.9	74.8	75.9	74.8	75.9	74.8	75.9	74.8	75.9	74.8	75.9	74.8	75.9	74.8	
GLENN DALE BELL STA	32.9	32.0	49.5	57.1	65.5	65.5	73.7	78.0	75.3	76.6	75.3	76.6	75.3	76.6	75.3	76.6	75.3	76.6	75.3	76.6	75.3	76.6	75.3	76.6	75.3	
LAUREL 3 W	30.2	27.9	47.4	56.4	63.1	63.1	71.4	76.7	74.2	75.6	74.2	75.6	74.2	75.6	74.2	75.6	74.2	75.6	74.2	75.6	74.2	75.6	74.2	75.6	74.2	
NATIONAL ARBORETUM D C	30.0	29.6	46.9	55.2	62.6	62.6	70.6	75.6	72.7	74.1	72.7	74.1	72.7	74.1	72.7	74.1	72.7	74.1	72.7	74.1	72.7	74.1	72.7	74.1	72.7	
UPPER MARLBORO 3 NW	29.2	27.9	47.3	54.5	61.2	61.2	70.0	74.4	71.5	73.1	71.5	73.1	71.5	73.1	71.5	73.1	71.5	73.1	71.5	73.1	71.5	73.1	71.5	73.1	71.5	
WASHINGTON WB CITY DC	34.1	33.0	50.3	58.2	65.4	65.4	74.1	79.0	76.4	77.6	76.4	77.6	76.4	77.6	76.4	77.6	76.4	77.6	76.4	77.6	76.4	77.6	76.4	77.6	76.4	
DIVISION																										
NORTHERN EASTERN SHORE 05	30.3	- 5.3	28.8	- 7.5	47.3	3.9	55.5	1.5	62.8	- 1.4	71.7	- 0.8	76.1	- 0.6	73.4	- 1.7	64.6	- 3.9	59.5	1.8	49.1	2.4	30.2	- 6.7	54.1	- 1.5
CENTREVILLE	31.6	30.2	47.3	54.2	62.3	62.3	72.1	75.9	72.4	74.2	72.4	74.2	72.4	74.2	72.4	74.2	72.4	74.2	72.4	74.2	72.4	74.2	72.4	74.2	72.4	
CHESTERTOWN	30.3	29.1	46.5	55.6	62.8	62.8	72.6	77.7	74.6	75.9	74.6	75.9	74.6	75.9	74.6	75.9	74.6	75.9	74.6	75.9	74.6	75.9	74.6	75.9	74.6	
COLEMAN 3 WNW	30.7	- 4.6	29.1	- 7.0	46.3M	5.1	55.8	1.4	63.5	0.0	73.2	0.1	78.0	0.5	74.6	- 1.4	65.8M	- 4.2	61.8M	2.5	50.9	2.9	31.4	- 5.9	55.1	- 0.9
HILLINGTON	30.4	- 5.0	29.1	- 6.9	46.2	2.8	53.8	- 0.2	62.3	- 1.6	71.8	- 0.4	75.9	- 0.5	72.6	- 2.1	64.2	- 4.4	58.9	1.1	49.8	2.7	30.0	- 6.8	53.8	- 1.7
ROCK HALL 3 SE	30.5	- 4.9	29.1	- 6.9	46.5	3.3	55.3	1.4	63.1	- 1.1	70.4	- 0.3	76.8	- 0.5	74.0	- 1.2	65.4	- 3.6	-	-	-	-	-	-	-	
DIVISION																										
NORTHERN CENTRAL 06	30.7	- 4.8	29.3	- 6.8	46.6	3.8	54.9	0.9	62.8	- 1.4	72.6	- 0.2	76.9	- 0.3	73.6	- 1.9	65.0	- 4.3	60.2	1.6	50.4	2.8	30.8	- 6.5	54.5	- 1.4
BALTIMORE-WB CITY	31.7	- 5.6	30.4	- 7.4	48.1	3.4	57.8	2.1	64.7	- 1.4	75.1	0.4	80.1	1.0	76.7	- 0.6	67.2	- 3.4	63.7	3.7	51.3	2.5	32.2	- 6.8	56.6	- 1.0
BENSON POLICE BARRACKS	28.0	27.5	45.1	53.3	60.5	60.5	69.5	74.7	71.4	73.9	71.4	73.9	71.4	73.9	71.4	73.9	71.4	73.9	71.4	73.9	71.4	73.9	71.4	73.9	71.4	
BOYDS 2 NW	29.1	27.8	45.4	53.7M	60.9	60.9	69.6	73.3	71.3	73.9	71.3	73.9	71.3	73.9	71.3	73.9	71.3	73.9	71.3	73.9	71.3	73.9	71.3	73.9	71.3	
CONNINGDOM DAM	27.8	26.7	43.2	51.5	58.7	58.7	67.2	71.2																		

# AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

MARYLAND AND DELAWARE  
1963

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
NEWARK UNIVERSITY FARM	28.7		27.6		44.3		53.2		61.1		70.1M		76.2		71.7		64.0		59.1		48.4		28.1		52.7	
WILMINGTON NCATTLE WB AP	28.4	- 5.0	27.5	- 6.3	44.1	2.8	52.6	0.5	60.3	- 2.4	70.8	- 0.6	76.3	0.3	71.7	- 2.6	63.7	- 3.9	58.4	1.8	48.0	2.6	28.4	- 6.7	52.5	- 1.6
WILMINGTON PORTER RESVR	28.1		26.9		43.7		52.6		60.3		70.5		75.4		71.0		62.5		59.0		48.1		28.2		52.2	
DIVISION	28.4	- 5.5	27.3	- 7.0	44.0	2.3	52.8	0.5	60.6	- 2.3	70.5	- 1.0	76.0	0.0	71.5	- 2.8	63.4	- 4.6	58.8	1.6	48.2	2.2	28.2	- 7.4	52.5	- 2.0
SOUTHERN O2																										
BRIDGEVILLE 1 NW	32.6	- 3.9	31.0	- 6.1	47.8	4.2	55.1	1.5	63.1	- 0.6	71.9	- 0.3	76.2	- 0.0	74.1	- 0.4	64.9	- 3.5	59.1	1.1	49.4	1.9	31.2	- 6.6	54.7	- 1.1
DOVER	31.8	- 4.6	37.0	0.2	47.1	3.4	54.9	0.8	62.6	- 1.8	72.4	- 0.5	76.7	- 0.4	73.3	- 2.1	65.3	- 4.1	61.1	2.4	50.7	2.8	31.3	- 6.6	55.3	- 0.9
GEORGETOWN 5 SW	33.0		31.0		48.5		54.4		62.4M		71.9		76.0		73.8M		64.8		58.6		50.2		31.5		54.7	
LEVES 1 SW	33.2		31.6		48.2		54.1		60.9		70.9		75.4		72.3		64.4		58.4		50.9		32.2		54.4	
MILFORD 3 NW	32.3M		31.0		46.3		54.4M		63.0		71.2		76.2		73.7		64.2		59.8		50.8		32.0		54.7	
SELBYVILLE	33.3		31.7		48.9		53.5		62.0		72.0		75.4		72.8		64.0		58.4		50.0		31.7		54.5	
DIVISION	32.7	- 4.1	32.2	- 5.0	48.1	4.3	54.4	0.7	62.3	- 1.6	71.7	- 0.7	75.8	- 0.8	73.3	- 1.6	64.6	- 4.3	59.2	0.8	50.3	2.4	31.7	- 6.4	54.7	- 1.4

A Special Weather Summary describing unusual weather in 1963 was included in the January, April, August, and October issues of this publication.

# TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

MARYLAND AND DELAWARE  
1963

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																										
SOUTHERN EASTERN SHORE 01																										
CRISFIELD HAMMOCK PT	3.10	.46	2.73	.42	8.14	4.13	.01	3.65	3.15	.54	6.09	2.78	1.33	3.72	2.55	2.50	5.88	2.05	.38	2.99	4.72	1.48	-	-	-	-
CRISFIELD SOMERS COVE																										
OCEAN CITY WATER PLANT	2.84		2.14		7.43		.87		3.75		3.21		3.61		3.77		3.83		.20		5.87		3.03		40.55	
POCOMOKE CITY 1 S	2.33		2.10		7.74		.41		2.42		4.86		.69		2.83		7.35		.45		6.39		4.12		41.69	
PRINCESS ANNE	2.74		2.25		8.11		.71		3.71		4.70		.93		2.38		6.47		.74		5.93		2.26		40.93	
DIVISION																										
SALISBURY	2.79	.87	2.22	.99	7.85	3.72	.92	2.42	4.32	.70	5.08	1.59	1.53	2.86	2.63	3.38	6.03	1.59	.27	3.23	5.61	2.40	.73	41.65	4.48	
SALISBURY FAA AIRPORT	2.83		2.22		7.17		1.53		2.56		5.07		2.41		2.60		5.33		.37		5.70		2.49		40.08	
SNOW HILL	2.94	1.00	2.48	.95	8.06	3.44	.70	2.91	3.80	.19	5.22	1.42	1.02	4.10	2.67	3.00	5.30	.80	.33	3.58	6.46	2.91	.58	41.81	7.36	
DIVISION																										
SALISBURY	2.80	.83	2.31	.88	7.79	3.65	.79	2.62	3.55	.03	4.90	1.45	1.81	3.00	2.73	2.70	5.72	1.49	.39	3.14	5.81	2.50	2.86	.26	41.46	4.31
CENTRAL EASTERN SHORE 02																										
BLACKWATER REFUGE	2.59		2.63		6.35		.85		2.46		5.14		2.99		1.77		4.85		.11		7.96		2.30		39.94	
CAMBRIDGE 4 W	2.46		1.69		7.14		1.42		2.63		5.40		2.00		1.97		4.83		.05		5.88		2.20		37.67	
DENTON 1 S	2.97		1.81		6.69		.69		3.11		5.44		1.50		2.75		5.39		T		7.52		2.25		40.12	
EASTON POLICE BRKS	2.47	1.00	1.83	1.12	5.94	1.99	1.30	2.18	3.47	.41	6.64	3.28	1.77	2.97	2.14	2.89	5.54	1.59	.11	3.07	6.51	2.98	2.99	.14	40.71	3.94
PRESTON 1 S	2.25		1.47		6.58		1.37		2.90		6.43		1.34		2.40		5.32		.02		7.56		E1.90		E39.54	
ROYAL OAK	2.16		1.88		6.51		1.27		3.29		5.94		1.60		1.81		4.79		T		5.30		2.15		36.70	
VIENNA	2.06		2.17		6.93		1.38		3.47		3.49		1.97		1.41		6.62		.12		7.01		2.03		38.66	
DIVISION																										
SALISBURY	2.42	1.12	1.93	.98	6.59	2.69	1.18	2.22	3.05	.90	5.50	1.98	1.87	2.98	2.04	3.14	5.33	1.25	.06	3.17	6.82	3.28	2.26	.87	39.05	6.18
LOWER SOUTHERN 03																										
CHARLOTTE HALL 1 ESE	1.54		1.32		6.07		.70		2.55		6.12		1.84		1.46		4.65		.04		7.67		2.54		36.50	
LA PLATA 1 W	2.01		1.52		6.30		.44		1.79		4.84		1.43		1.75		3.93		.03		7.11		2.10		33.25	
LEONARDTOWN 3 NW	1.94		1.50		5.79		.69		2.01		5.41		1.68		.94		4.05		.00		6.00		2.21		32.22	
OWINGS FERRY LANDING	E1.95	1.53	1.65	.97	6.18	2.69	1.95	1.53	E3.27	.83	E6.18	2.92	.98	3.29	.83	4.48	3.90	.27	.06	3.23	6.82	3.59	1.94	1.11	E35.71	8.04
PRINCE FREDERICK	2.11		1.15		5.03		.40		6.30		5.72		1.77		2.37		5.87		.32		6.26		2.39		39.69	
SOLOMONS	2.00	1.55	1.65	1.13	5.69	2.08	.67	2.83	2.35	1.41	5.93	2.48	1.49	4.08	1.05	3.95	3.81	.22	T	3.11	5.73	2.40	2.06	.91	32.43	11.79
WALDORF POLICE BRKS	1.33		1.76		7.01		1.06		2.27		4.03		1.01		1.16		4.03		.15		7.63		2.38		33.82	
DIVISION																										
SALISBURY	1.84	1.73	1.51	1.26	6.01	2.35	.84	2.66	2.88	1.05	5.34	1.84	1.46	3.55	1.37	3.90	4.32	.37	.09	3.28	6.75	3.52	2.23	.87	34.64	10.22
UPPER SOUTHERN 04																										
ANNAPOLIS	-	-	-	-	4.45	.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALTIMORE WB AIRPORT R	1.84	1.59	2.07	.82	4.45	.86	2.15	1.45	1.70	2.28	9.16	5.87	.69	3.53	4.21	.98	4.12	.79	T	3.18	6.85	3.72	1.91	.00	-	-
BELTSVILLE	1.47		1.76		4.85		1.36		1.77		5.42		1.05		8.24		3.70		.02		6.01		E1.65		E37.32	
BELTSVILLE PLANT STA 5	1.86		1.93		5.27		1.26		1.72		5.00		2.03		8.60		3.82		.00		6.91		2.02		40.42	
COLLEGE PARK	1.68	1.57	2.05	.65	5.33	1.60	1.23	2.16	1.66	2.55	5.31	1.50	1.35	2.79	8.23	3.08	3.66	.14	T	3.16	7.18	4.09	2.04	1.00	39.72	3.75
DALECARLIA RESERVOIR DC	1.43		2.40		4.95		1.51		1.54		6.49		.97		5.70		3.39		.08		6.52		1.56		36.54	
FORT GEORGE G MEADE	1.92		2.13		5.23		1.17		2.19		6.38		.82		5.68		4.14		T		7.72		2.21		39.61	
GLENN DALE BELL STA	1.65	1.78	1.97	.86	5.86	2.02	1.24	2.30	1.49	2.74	8.25	4.25	7.74	4.28	7.16	2.09	3.72	.14	.00	3.36	7.51	4.29	1.95	1.02	41.54	3.83
LAUREL 3 W	1.19		1.59		5.48		1.07		E2.77		5.67		2.31		6.57		3.77		.00		8.80		1.90		E4.12	
NATIONAL ARBORETUM D C	1.43		2.39		5.81		1.33		1.27		7.86		.95		8.35		3.79		.00		8.17		2.26		43.61	
SUITLEND	1.68		2.11		6.27		.99		1.20		7.33		.87		6.17		3.79		.03		7.91		1.78		40.13	
U S SOLDIERS HOME D C	2.18		2.34		4.88		1.58		1.32		8.23		.98		7.31		3.84		.00		7.27		2.41		42.34	
UPPER MARLBORO 3 NW	2.23		2.02		6.06		1.21		1.23		8.79		1.25		5.02		3.87		.00		6.89		1.97		40.54	
WASHINGTON WB CITY DC R	1.96		1.96		5.54		1.22		1.27		8.39		.67		7.06		3.56		.00		6.69		1.89		40.21	
DIVISION																										
SALISBURY	1.74	1.58	2.06	.66	5.33	1.63	1.28	2.17	1.53	2.54	7.10	3.38	1.13	3.20	6.79	1.78	3.78	.02	.01	3.13	7.26	4.20	2.00	.97	40.01	3.24
NORTHERN EASTERN SHORE 05																										
CENTREVILLE	2.68		2.22		5.36		.56		1.99		5.17		1.60		4.33		5.01		.00		6.19		E2.37		E37.68	
CHESTERTOWN	2.20		2.29		4.91		.90		2.05		5.35		.80		3.79		4.80		T		2.72		2.72		36.41	
COLEMAN 3 NW	E2.01	1.60	1.93	1.00	4.44	.58	.80	2.63	1.88	2.29	4.08	.44	1.50	2.79	4.89	.08	4.62	.91	.30	2.78	7.23	3.82	2.45	.69	E36.17	8.11
ROCK HALL 3 SE	2.00	1.43	2.28	.48	5.01	1.25	1.39	1.98	1.83	2.13	5.02	1.62	.52	4.01	4.97	.28	4.72	1.01	E	2.97	E6.34	3.21	E2.32	.79	E36.40	6.42
DIVISION																										
SALISBURY	2.24	1.36	2.14	.77	4.84	.95	.83	2.60	1.88	2.23	4.91	1.51	1.14	3.34	4.28	.47	4.77	1.19	.08	2.92	6.70	3.36	2.48	.66	36.29	7.34
NORTHERN CENTRAL 06																										
BALTIMORE WB CITY	1.78	1.65	2.03	.95	4.50	.56	1.47	2.24	1.51	2.64	4.94	.97	.91	3.48	3.86	.74	4.38	.75	.12	3.13	6.58	3.48	2.12	1.04	34.10	10.11
BENSON POLICE BARRACKS	1.80		2.09		4.43		1.98		2.31		5.26		1.96		3.55		5.29		.18		6.98		2.14		37.97	
BOYDS 2 NW	2.04		E1.42		5.18		1.16		1.46		6.14		1.14		5.67		2.84		.00		7.50		1.26		E35.81	
BRIGHTON DAM	1.64		1.65		3.89		1.62		1.94		5.47		1.39		4.17		4.25		.00		7.38		2.40		35.88	
BROOKDALE	1.60		1.74		5.67		1.89		1.71		5.36		.91		5.84		3.69		T		8.24		2.07		38.72	
CONOWINGO DAM	1.65		2.03		3.71		1.48		1.66		3.63		1.12		4.16		4.38		.36		6.29		1.68		32.15	
EDGEWOOD ARSENAL	1.71		1.87		4.58		1.75		4.33		3.73		.75		4.04		3.81		.30		5.33				-	
ELKTON	1.87	1.59	2.50	.69	4.63	.44	1.18	2.42	2.76	1.49	3.00	.96	2.78	1.57	4.00	1.02	4.02	.46	.21	3.02	7.43	3.88	1.97	1.22	36.15	9.20
EMMITSBURG 2 SE	1.93		1.76		4.53		2.33		2.30		5.99		2.55		1.87		2.29		.16		5.30		2.14		33.11	
FREDERICK WFO	1.89	1.09	1.64	.91	4.61	1.08	1.58	2.09	2.67	1.24	2.67	.93	2.08	1.84	3.33	.97	2.43	.99	.30	2.83	5.95	3.02	2.22	.67	31.37	9.46
FREDERICK 3 E	1.84		1.62		4.59		2.07		2.75		3.62		2.72		3.58		2.47		.35		6.51		2.42		34.54	
LOCH RAVEN DAM	2.04		2.36		4.39		1.61		2.30		6.9															

# TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

MARYLAND AND DELAWARE  
1963

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
SAVAGE RIVER DAM	1.72		1.94		3.06		2.00		2.10		3.23		3.70		3.71		1.60		2.21		3.44		1.57		28.30	
SHALLMAR	1.06		2.39		8.61		2.91		2.87		3.99		3.44		4.86		2.06		2.24		4.76		2.09		39.88	
SINES DEEP CREEK	1.83	2.51	2.16	1.49	9.34	4.81	E2.77	1.38																		
SINES DEEP CREEK 2									3.22	1.42	4.74	.08	6.12	1.26	5.60	1.11	1.66	1.75	2.28	2.82	5.72	2.65	2.87	.89		
DIVISION	1.33	2.72	2.01	1.28	7.77	3.46	2.76	1.24	2.71	1.83	4.91	.24	4.58	.01	4.81	.44	1.74	1.51	2.29	2.83	4.70	1.72	2.34	1.15	39.35	7.17
DELAWARE																										
NORTHERN 01																										
MIDDLETOWN 2 S	1.43																									
NEWARK UNIVERSITY FARM	1.93		2.02		4.46		.93		2.29		2.73		1.65		3.88		3.75		.29		4.62		1.72		30.27	
WILMINGTON CASTLE NB AP	2.05	1.35	2.09	.86	4.24	.22	1.12	2.21	1.23	2.30	3.26	.81	1.65	2.60	4.03	1.56	3.50	.45	.21	2.70	6.87	3.34	1.85	1.18	32.10	12.46
WILMINGTON PORTER RESVR	1.88	1.59	2.21	.58	4.20	.19	1.85	1.89	1.39	2.71	3.11	.80	1.87	2.60	5.58	.26	4.88	1.45	.13	2.97	7.59	3.92	2.00	1.13	36.69	8.45
DIVISION	1.95	1.53	2.11	.74	4.30	.35	1.30	2.26	1.64	2.36	3.03	.80	1.72	2.65	4.50	.74	4.04	.56	.21	2.93	6.36	2.88	1.86	1.24	33.02	11.46
SOUTHERN 02																										
BRIDGEVILLE 1 NW	2.81	.73	1.92	.97	6.91	2.93	1.16	2.27	2.34	1.44	5.11	1.51	1.11	3.95	.81	4.74	6.69	2.67	.05	3.14	6.10	2.89	2.03	1.00	37.04	8.24
DOVER	2.24	1.46	1.66	1.37	5.23	1.11	2.48	2.94	2.46	1.69	3.61	.15	1.98	2.69	4.85	.88	3.30	.51	7	3.27	6.29	2.62	1.86	1.25	33.96	12.18
GEORGETOWN 5 SW	E2.27		1.85		7.31		2.01		1.88		3.96		2.73		1.62		4.95		.09		6.26		2.82		E37.75	
LEWES 1 SW	2.75		2.16		6.64		1.71		3.28		2.49		1.83		3.01		5.71		.26		6.00		2.74		38.58	
MILFORD 3 WNW	1.92		1.47		7.54		.84		3.13		5.73		1.32		3.49		4.51		.00		7.11		E2.23		E39.29	
SELBYVILLE	2.75		2.42		7.29		1.42		3.86		4.71		1.72		2.85		4.08		.32		5.43		3.06		39.91	
DIVISION	2.49	1.27	1.91	1.17	6.82	2.63	1.27	2.23	2.83	1.06	4.27	.66	1.74	3.10	2.77	2.85	4.87	.78	.12	3.28	6.20	2.63	2.50	.70	37.79	8.96

Table 3

## TEMPERATURE EXTREMES AND FREEZE DATA

MARYLAND AND DELAWARE  
1963

Station	Highest	Date	Lowest	Date	Last spring minimum of										First fall minimum of										Number of days between dates						
					16° or below		20° or below		24° or below		28° or below		32° or below		32° or below		28° or below		24° or below		20° or below		16° or below		16° or below	20° or below	24° or below	28° or below	32° or below		
					Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.									
MARYLAND																															
SOUTHERN EASTERN SHORE 01																															
CRISFIELD HAMMOCK PT	95	7-27+	11	1-29+	2-27	16	2-27	16	2-27	16	2-28	25	3-17	32	11-16	32	-	-	12-15	21	12-15	21	12-19	18	NONE	-	-	-	-	244	
CRISFIELD SOMERS COVE	94	8-5+	9	1-24	2-27	13	2-27	13	2-27	13	2-28	25	3-23	31	12-1	31	12-15	19	12-15	19	12-15	19	12-15	19	12-20	14	296	291	291	290	253
OCEAN CITY WATER PLANT	96	7-27	5	1-25	2-27	11	3-3	20	3-3	20	3-24	27	3-24	27	10-5	30	11-12	28	11-16	24	12-15	19	12-15	19	12-15	19	287	258	233	195	-
POCOMOKE CITY 1 S	95	7-28+	6	1-29	2-27	11	2-28	19	3-3	24	3-24	28	5-13	31	11-4	25	11-4	25	12-2	23	12-15	18	12-17	15	293	290	274	225	175		
PRINCESS ANNE	95	7-28+	6	1-29	2-27	11	2-28	19	3-3	24	3-24	28	5-13	31	11-4	25	11-4	25	12-2	23	12-15	18	12-17	15	293	290	274	225	175		
SALISBURY	95	7-19+	8	1-24	2-27	10	2-28	19	2-28	19	3-8	28	3-24	30	11-4	28	11-4	28	12-15	19	12-15	19	12-20	13	296	290	290	241	225		
SALISBURY FAA AIRPORT	95	7-19	7	1-25	2-27	11	2-28	20	2-28	20	3-3	27	4-15	32	11-3	31	11-4	28	12-14	21	12-15	20	12-19	16	295	290	289	246	202		
SNOW HILL	95	7-27+	7	1-29	2-27	10	2-28	18	3-3	23	3-16	28	5-13	32	11-4	27	11-4	27	12-2	24	12-15	17	12-17	14	293	290	274	233	175		
CENTRAL EASTERN SHORE 02																															
BLACKWATER REFUGE	100	6-11+	-2	1-24	2-27	13	2-27	13	2-28	23	3-11	28	4-15	32	11-4	30	12-7	28	12-15	19	12-15	19	12-31	16	307	291	290	271	203		
CAMBRIDGE 4 W	97	7-19	3	1-29	2-27	9	2-28	20	3-3	23	3-24	27	4-6	32	11-4	27	11-4	27	12-2	24	12-15	18	12-18	16	294	290	274	225	212		
DENTON 1 S	97	7-27	3	1-29	2-27	10	2-28	20	3-3	22	3-24	27	4-26	30	11-4	28	11-4	28	12-2	24	12-15	18	12-20	12	296	290	274	225	192		
EASTON POLICE BRKS	96	7-27	5	1-29	2-27	11	2-27	11	2-28	23	3-16	28	4-15	32	11-4	30	11-26	28	12-15	16	12-15	16	12-15	16	291	291	290	255	203		
PRESTON 1 S	96	7-27	6	1-29+	2-27	11	2-27	11	2-28	24	3-16	28	4-15	30	11-4	29	11-26	28	12-15	19	12-15	19	12-20	13	296	291	290	255	203		
ROYAL OAK	98	7-27	6	1-24	2-27	13	2-27	13	3-3	24	3-8	28	3-24	30	11-4	32	11-26	27	12-15	19	12-15	19	12-20	13	296	291	287	263	225		
VIENNA	96	7-27	7	1-29+	2-27	11	2-27	11	2-28	23	3-3	26	4-6	32	11-4	30	11-26	28	12-15	19	12-15	19	12-20	12	296	291	290	268	212		
LOWER SOUTHERN 03																															
CHARLOTTE HALL 1 ESE	96	8-4+	4	2-23+	2-27	14	2-27	14	2-27	14	3-23	28	4-8	31	10-31	32	11-4	27	12-1	22	12-15	14	12-15	14	291	291	277	226	206		
LA PLATA 1 W	96	7-28+	0	1-29	2-27	11	3-3	20	3-3	20	4-8	28	5-13	32	10-14	32	11-4	26	11-25	22	12-15	13	12-15	13	291	287	267	210	154		
LEONARDTOWN 3 NW	97	8-4+	0	1-29	2-27	11	2-27	11	3-8	23	4-6	27	5-3	30	10-14	31	10-31	27	11-4	24	12-15	16	12-15	16	291	291	281	208	164		
OWINGS FERRY LANDING	97	7-27	2	1-29	2-27	10	2-27	10	3-3	24	3-23	28	3-24	29	11-4	30	12-1	28	12-7	24	12-15	14	12-15	14	291	291	279	253	225		
PRINCE FREDERICK	97	7-18	2	1-29	2-23	4	2-27	19	-	-	-	-	4-6	31	10-13	32	11-4	26	12-2	20	12-2	20	12-15	16	295	278	-	-	190		
SOLOMONS	96	8-4	8	1-24	2-27	14	2-27	14	2-27	14	3-3	28	3-8	32	12-4	32	12-15	19	12-15	19	12-15	19	12-20	15	296	291	291	287	271		
WALDORF POLICE BRKS	98	8-5+	0	1-29	2-27	11	3-17	20	3-17	20	3-24	27	5-24	32	9-24	32	11-4	25	11-16	24	12-15	16	12-15	16	291	273	244	225	123		
UPPER SOUTHERN 04																															
ANNAPOLIS	-	-	2	1-24	2-27	9	2-27	9	2-28	24	-	-	-	-	-	-	-	-	-	-	12-15	17	12-20	11	296	291	-	-	-		
BALTIMORE WB AIRPORT	98	6-27	-7	1-29	2-27	10	2-27	10	2-27	10	3-24	28	4-16	32	11-4	28	11-4	28	12-1	21	12-14	17	12-15	16	291	290	277	225	202		
BELTSVILLE	97	7-28	-11	1-29	2-28	12	3-11	17	3-18	23	4-6	28	5-13	32	9-24	32	11-4	25	11-23	21	12-15	15	12-15	15	290	279	240	212	134		
BELTSVILLE PLANT STA 5	96	7-27	-9	1-29	2-28	12	3-3	20	3-24	24	4-26	28	5-13	31	9-24	32	10-31	28	11-13	23	12-15	16	12-15	16	290	287	234	186	134		
COLLEGE PARK	97	7-27+	-6	1-29	2-27	10	2-27	10	3-15	24	3-24	27	4-26	32	10-14	32	11-4	28	11-13	24	12-15	17	12-20	13	296	291	243	225	171		
DALECARLIA RESERVOIR DC	96	7-27	1	1-29+	2-27	9	2-27	9	3-3	23	3-21	28	4-12	31	11-4	29	11-25	27	12-7	24	12-15	11	12-15	11	291	291	279	249	206		
FORT GEORGE G MEADE	97	7-26	-10	1-29	2-27	9	3-3	20	3-24	24	4-16	28	5-13	31	9-24	32	11-4	25	11-13	21	12-15	15	12-15	15	291	287	234	202	134		
GLENN DALE BELL STA	97	7-29+	-6	1-29	2-27	9	3-15	19	3-24	24	4-16	27	5-3	32	9-24	32	11-4	24	11-4	24	12-15	20	12-15	14	291	255	225	202	144		
LAUREL 3 W	96	7-27	1	1-24	2-27	9	2-28	20	2-28	20	3-23	27	3-23	27	11-13	32	12-1	28	12-15	15	12-15	15	12-15	15	291	290	290	253	235		
NATIONAL ARBORETUM D C	98	7-27	2	1-29+	2-27	11	2-27	11	2-27	11	3-15	28	3-24	30	11-4	31	11-13	27	12-7	24	12-15	18	12-20	12	296	291	283	243	225		
SUITLAND	97	7-28	1	1-24	2-28	13	2-28	13	2-28	13	3-3	26	3-23	29	11-4	31	12-1	28	12-15	17	12-15	17	12-19	16	294	290	290	273	226		
U S SOLDIERS HOME D C	96	7-27	-1	1-24	2-27	7	2-27	7	3-21	23	4-10	26	5-2	32	10-31	32	12-1	28	12-14	17	12-14	17	12-15	15	291	290	290	273	226		
UPPER MARLBORO 3 NNW	97	7-28	-5	1-29	2-28	14	3-3	20	3-16	24	3-24	26	4-25	31	9-24	32	11-4	25	11-13	24	12-15	17	12-20	12	295	287	242	225	152		
WASHINGTON WB CITY DC	98	7-28+	5	1-24	2-27	13	2-27	13	2-27	13	2-27	13	3-23	31	12-4	32	12-14	20	12-14	20	12-14	20	12-19	15	295	290	290	290	256		
NORTHERN EASTERN SHORE 05																															
CENTREVILLE	95	7-27	1	1-29	2-27	10	2-27	10	2-28	23	3-16	25	4-16	31	11-4	28	11-4	28	-	-	12-14	20	12-19	14	295	290	290	253	246		
CHESTERTOWN	99	7-27	3	1-29	2-27	9	2-27	9	2-27	9	3-23	28	3-23	28	11-25	30	12-1	28	12-14	20	12-14	20	12-19	14	295	290	290	253	246		
COLEMAN 3 WNW	99	7-27	1	1-29	2-27	8	2-28	18	2-28	18	3-16	28	3-24	31	11-26	30	12-2	26	12-15	17	12-15	17	12-20	11	296	290	290	261	247		
MILLINGTON	99	7-27	-2	1-29	2-27	9	2-28	20	3-15	24	4-6	27	4-29	32	10-5	32	11-4	28	12-2	22	12-15	17	12-20	10	296	290	262	212	159		
ROCK HALL 3 SE	93	7-27	3	1-29	2-27	10	2-27	10	2-28	22	3-15	26	3-23	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NORTHERN CENTRAL 06																															
BALTIMORE WB CITY	98	7-27+	4	1-24	2-27	10	2-27	10	2-27	10	2-28	28	3-23	30	12-1	30	12-14	18	12-14	18	12-14	18	12-19	14	295	290	290	289	253		
BENSON POLICE BARRACKS	96	7-28+	-6	1-29	2-28	13	2-27	13	3-16	23	4-8	26	4-25	32	9-25	31	11-4	26	11-13	23	12-15	12	12-15	12	290	291	242	210	153		
BOYDS 2 NW	96	7-28	-3	1-29	2-27	6	2-27	6	2-28	22	3-23	27	4-25	32	11-4	29	11-13	26	12-1	23	12-15	10	12-15	10	291	291	276	230	193		
CONOWINGO DAM	98	7-27	-4	1-29	2-28	15	2-28	15	3-3	24	3-24	28	4-16	32	11-3	32	11-16	28	12-1	24	12-14	15	12-14	15	289	289	273	237	201		
EDGEWOOD ARSENAL	95	7-27	-3	1-29	2-27	9	2-27	9	3-16	24	3-24	27	4-16	32	11-3	31	11-13	25	-	-	-	-	-	-	-	-	-	-	-		
ELKTON	99	7-27+	-2	1-29	2-27-																										

Table 3—Continued

## TEMPERATURE EXTREMES AND FREEZE DATA

MARYLAND AND DELAWARE  
1963

Station	Highest	Date	Lowest	Date	Last spring minimum of										First fall minimum of										Number of days between dates				
					16° or below		20° or below		24° or below		28° or below		32° or below		32° or below		28° or below		24° or below		20° or below		16° or below		16° or below	20° or below	24° or below	28° or below	32° or below
					Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.					
SOUTHERN 02																													
BRIDGEVILLE 1 NW	98	7-27	4	1-29	2-27	10	2-27	10	2-28	22	3-16	28	4-16	32	10-14	32	11-4	28	12-2	24	12-15	17	12-17	16	293	291	277	233	181
DOVER	96	7-27+	5	1-24	2-27	8	2-28	20	3-4	22	3-16	27	4-16	31	11-4	30	11-26	28	12-15	17	12-15	17	12-20	11	296	290	286	255	202
GEORGETOWN 5 SW	97	7-27	1	1-25	2-27	10	2-28	20	3-3	23	4-6	28	4-29	31	10-5	32	11-4	27	11-26	24	12-15	18	12-17	14	293	290	268	212	159
LEWES 1 SW	96	6-27	7	1-24	2-27	11	2-27	11	2-28	21	3-3	26	3-24	32	11-4	30	11-26	26	12-2	24	12-15	17	12-17	16	293	291	277	268	225
MILFORD 3 WNW	97	7-27+	5	1-29+	2-27	10	2-28	20	3-3	21	3-24	28	4-29	32	11-20	31	11-25	27	12-5	23	12-15	17	12-17	16	293	290	277	246	205
SELBYVILLE	98	7-27	4	1-25	2-27	10	2-28	19	3-3	24	3-24	27	5-13	32	10-14	32	11-4	25	11-26	23	12-15	16	12-15	16	291	290	268	225	154

See reference notes following Station Index.

# TOTAL EVAPORATION AND WIND MOVEMENT

MARYLAND AND DELAWARE  
1963

Table 4

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
MARYLAND														
UPPER SOUTHERN 04														
BELTSVILLE	EVAP	-	-	-	-	6.33	B 7.58	8.40	B 8.40	B 4.60	-	B 2.25	-	-
	DEP	-	-	-	-	.50	.99	.92	2.17	-.05	-	-	-	-
	WIND	-	-	-	-	859	729	-	-	1165	1179	2228	-	-
	MAX	-	-	-	-	77.1	82.8	90.0	82.5	75.7	70.8	55.9	-	-
	MIN	-	-	-	-	51.2	62.6	66.3	62.7	53.0	44.9	36.8	-	-
UPPER MARLBORO 3 NNW														
	EVAP	-	-	-	B 5.81	6.18	B 6.82	7.33	B 6.08	3.58	3.38	-	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	-	-	B 1001	754	383	354	B 554	394	311	-	-	-
	MAX	-	-	-	75.0	82.4	92.1	97.6	91.3	85.1	74.1	-	-	-
	MIN	-	-	-	44.8	57.6	67.0	71.8	68.3	60.9	48.3	-	-	-
ALLEGHENY PLATEAU 08														
SAVAGE RIVER DAM														
	EVAP	-	-	-	-	6.08	B 5.89	6.54	5.67	3.88	3.48	-	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	-	-	-	2806	1800	1631	1677	1467	1611	-	-	-
	MAX	-	-	-	-	69.4	81.6	84.2	79.8	73.6	66.3	-	-	-
	MIN	-	-	-	-	47.0	56.4	59.1	58.3	49.7	42.7	-	-	-
DELAWARE														
NORTHERN 01														
NEWARK UNIVERSITY FARM														
	EVAP	-	-	-	-	-	6.28	7.41	6.06	B 3.84	-	-	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	-	-	-	-	952	848	683	651	-	-	-	-
	MAX	-	-	-	-	-	91.1	95.2	91.1	84.0	-	-	-	-
	MIN	-	-	-	-	-	63.3	67.7	65.7	57.4	-	-	-	-
SOUTHERN 02														
GEORGETOWN 5 SW														
	EVAP	-	-	-	B 6.71	B 6.71	B 7.10	7.96	B 7.27	B 4.30	-	-	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	-	-	B 2644	1851	1490	1175	1131	B 1513	-	-	-	-

MAX AND MIN IN TABLE 4 REFER TO AVERAGE MAXIMUM AND MINIMUM TEMPERATURE OF WATER IN PAN.

## CHANGES IN STATION NAME

### NEW NAME

ANNAPOLIS, MD.  
DENTON 1 S, MD.

### FORMER NAME

ANNAPOLIS 2 WNW, MD.  
DENTON, MD.

### DATE - 1963

December 6  
April 4

## RELOCATION AND CHANGES OF EQUIPMENT

ANNAPOLIS, MD.  
BITTINGER 2 NW, MD.  
DENTON 1 S, MD.  
FREDERICK WEND, MD.  
HANCOCK FRUIT LAB, MD.  
  
ROCKVILLE, MD.  
SINES DEEP CREEK, MD.

Equipment moved 1 mile NE  
Rain gage moved 8 feet N  
Equipment moved 0.5 mile S  
Equipment moved 4 miles W  
Thermometer shelter moved 20 feet NW  
  
Equipment moved 200 feet SSE  
Equipment changed to recording rain gage only

December 6  
April 11  
April 4  
November 1  
April 8  
  
June 6  
May 1



## STATION INDEX

MARYLAND AND DELAWARE  
1963

Station	Index No.	Division No.	County	Drainage	Latitude	Longitude	Elevation	Years of record			Opened or closed during yr.		Refer to tables
								Temp.	Precip.	Evap.	Month opened	Month closed	
MARYLAND													
ANAPOLIS	0193	04	ANNE ARUNDEL	1	38 59	76 31	40	12	12				1 2 3
BALTIMORE WB AIRPORT	0465	04	ANNE ARUNDEL	3	39 11	76 40	144	29	29				1 2 3 C
BALTIMORE WB CITY	0470	06	BALTO CITY	3	39 17	76 37	14	93	93				1 2 3 C
BELTSVILLE	0700	04	PRINCE GEORGE	5	39 02	76 53	120	26	23				1 2 3 34 C
BELTSVILLE PLANT STA 5	0705	04	PRINCE GEORGE	5	39 01	76 57	100	15	15				1 2 3 C
BENSON POLICE BARRACKS	0732	06	HARFORD	1	39 30	76 23	365	16	16				1 2 3
BITTINGER 2 NW	0681	08	GARRETT	7	39 39	79 15	2700	11	11				1 2 3
BLACKWATER REFUGE	0915	02	DORCHESTER	1	38 26	76 08		23	23				1 2 3
BOONSBORO	0986	07	WASHINGTON	5	39 31	77 39	735						1 2 3
BOYDS 2 NW	1032	06	MONTGOMERY	5	39 12	77 20	580	11	11				1 2 3
BRIGHTON DAM	1125	06	MONTGOMERY	4	39 12	77 01	350						2
BROOKDALE	1170	06	MONTGOMERY	5	38 57	77 06	260		18				1 2 3
CAMBRIDGE 4 W	1389	02	DORCHESTER	1	38 34	76 09	5	69	69				1 2 3
CENTREVILLE	1627	05	QUEEN ANNES	1	39 03	76 03	46		11				1 2 3
CHARLOTTE HALL 1 ESE	1686	03	ST MARYS	4	38 28	76 45	167	3					1 2 3
CHESTERTOWN	1750	05	KENT	1	39 13	76 04	35	58	58				1 2 3
CHEWESVILLE BRIDGEPORT	1790	07	WASHINGTON	5	39 38	77 41	560	66	66				1 2 3
COLEMAN 3 NW	1980	05	KENT	1	39 21	76 08	78	66	66				1 2 3
COLLEGE PARK	1995	06	PRINCE GEORGE	5	38 58	76 56	70	77	77				1 2 3 C
CONOWINGO DAM	2060	06	HARFORD	6	39 39	76 10	40	28	28				1 2 3
CRISFIELD HAMMOCK PT.	2205	01	SOMERSET	1	37 58	72 52	7	44	44		DEC	1 2 3	1 2 3 C
CRISFIELD SOMERS COVE	2215	01	SOMERSET	1	37 59	72 52	8	1	1		DEC	1 2 3	1 2 3 34
CUMBERLAND	2280	07	ALLEGANY	5	39 39	78 45	945	93	93				1 2 3
CUMBERLAND POLICE BRKS	2285	07	ALLEGANY	5	39 38	78 50	970	16	16				1 2 3
DENTON 1 S	2523	02	CAROLINE	1	38 53	75 50	20	12	12				1 2 3
EASTON POLICE BARRACKS	2700	02	TALBOT	1	38 45	76 04	40	72	72				1 2 3
EDMONT	2770	07	WASHINGTON	5	39 40	77 33	905	25	25				1 2 3
EDGEWOOD ARSENAL	2795	06	HARFORD	1	39 21	76 39	10	4	4		INAC	1 2 3	1 2 3
ELATON	2860	06	CECIL	1	39 36	75 40	28	37	37				1 2 3
ENMITSBURG 2 SE	2906	06	FREDERICK	5	39 41	77 18	420	8	8				1 2 3
FORT GEORGE G MEADE	3230	04	ANNE ARUNDEL	4	39 06	76 45	140	22	22				1 2 3 C
FREDERICK WFMD	3350	06	FREDERICK	5	39 25	77 28	435	20	20				1 2 3
FREDERICK 3 E	3395	06	FREDERICK	5	39 24	77 22	385	15	15				1 2 3
FROSTBURG	3410	07	ALLEGANY	5	39 39	78 56	2035	62	62				1 2 3
GLEN DALE BELL STA	3675	04	PRINCE GEORGE	4	38 58	76 48	151	45	45				1 2 3
GRANTSVILLE	3795	08	GARRETT	7	39 42	79 09	2380						1 2 3 C
HAGERSTOWN	3975	07	WASHINGTON	5	39 39	77 44	860	22	22				1 2 3
HANCOCK FRUIT LAB	4097	07	WASHINGTON	5	39 42	78 11	420	30	30				1 2 3 C
LA PLATA 1 W	5080	03	CHARLES	5	38 32	77 00	140	49	49				1 2 3
LAUREL 3 W	5111	04	PRINCE GEORGE	4	38 06	76 54	400	73	73				1 2 3
LEONARDTOWN 3 NW	5201	03	ST. MARYS	5	38 19	76 40	40	4	4				1 2 3 C
LOCH RAVEN DAM	5340	06	BALTIMORE	1	39 26	76 33	190	14	14				1 2 3
LUKE	5530	07	ALLEGANY	5	39 28	79 04	1020	26	26				1 2 3 C
MERRILL	5804	08	GARRETT	5	39 36	79 05	1750	12	12				1 2 3
MILLINGTON	5985	05	KENT	1	39 16	75 51	30	66	66				1 2 3
NEW GERMANY	6408	08	GARRETT	5	39 38	79 07	2590						1 2 3 C
OAKLAND 1 SE	6620	08	GARRETT	7	39 24	79 24	2420	66	66				1 2 3
OCEAN CITY WATER PLANT	6670	01	WORCESTER	2	38 20	75 05	17	2	2				1 2 3
OWINGS FERRY LANDING	6770	03	CALVERT	4	38 42	76 41	120	47	47				1 2 3
PARKTON 2 SW	6844	06	BALTIMORE	1	39 38	76 42	600	11	11				1 2 3 C
MARYLAND													
PERRY POINT	6980	06	CECIL	1	39 33	76 04	40						1 2 3 C
PICARDY	7010	07	ALLEGANY	5	39 33	78 30	1030	37	37				1 2 3
POTOMAC CITY 1 S	7140	01	WORCESTER	1	38 03	75 34	20	15	15				1 2 3
POTOMAC FILTER PLANT	7272	06	MONTGOMERY	5	39 02	77 15	270	2	2				1 2 3
PRESTON 1 S	7310	02	CAROLINE	1	38 42	75 55	50	15	15				1 2 3
PRINCE FREDERICK	7325	03	CALVERT	1	38 32	76 35	140	11	11				1 2 3
PRINCESS ANNE	7330	01	SOMERSET	1	38 12	75 41	15	15	15				1 2 3
ROCK HALL 3 SE	7700	05	KENT	1	39 08	76 14	20	50	50				1 2 3
ROCKVILLE	7705	06	MONTGOMERY	5	39 05	77 09	436	16	16				1 2 3
ROYAL OAK	7804	02	TALBOT	1	38 43	76 11	10	16	16				1 2 3
SALISBURY	8000	01	WICOMICO	1	38 22	75 35	10	57	57				1 2 3
SALISBURY FAA AIRPORT	8005	01	WICOMICO	1	38 20	75 30	52	16	16				1 2 3
SAVAGE RIVER DAM	8065	08	GARRETT	5	39 31	79 08	1495	13	16	13			1 2 3 34 C
SHALLMAR	8191	08	GARRETT	5	39 23	79 12	1700						1 2 3
SINES DEEP CREEK	8315	08	GARRETT	7	39 32	79 25	2040						1 2 3 C
SINES DEEP CREEK 2	8320	08	GARRETT	7	39 32	79 25	2040	1	1				MAY 1 2 3
SNOW HILL	8380	01	WORCESTER	1	38 11	75 24	14	48	48				1 2 3
SOLOMONS	8405	03	CALVERT	1	38 19	76 27	12	72	72				1 2 3
SUTLAND	8636	04	PRINCE GEORGE	5	38 51	76 56	280	1	1				1 2 3
TOWSON	8877	06	BALTIMORE	3	39 24	76 37	410	26	26				1 2 3
UNIONVILLE	9030	04	FREDERICK	5	39 27	77 11	430	24	22				1 2 3 C
UPPER MARLBORO 3 NW	9070	04	PRINCE GEORGE	4	38 52	76 47	98	8	8				1 2 3 34
VIENNA	9140	02	DORCHESTER	1	38 29	75 50	12	15	15				1 2 3
WALDOF POLICE BRKS	9193	03	CHARLES	5	38 39	76 53	210	16	16				1 2 3
WESTPORT	9405	07	ALLEGANY	5	39 29	79 03	1000	70	70				1 2 3
WESTMINSTER	9435	06	CARROLL	1	39 35	77 00	770	54	54				1 2 3
WHEATON REGIONAL PARK	9502	06	MONTGOMERY	5	39 04	77 02	330	3	3				1 2 3
WILLIAMSPORT	9570	07	WASHINGTON	5	39 37	77 51	360	25	25				1 2 3
WOODSTOCK	9750	06	BALTIMORE	3	39 20	76 52	415	94	94				1 2 3
DISTRICT OF COLUMBIA													
DALECARLIA RESVR D C	2325	04			38 56	77 07	146	18	18				1 2 3
NATIONAL ARBORETUM D C	6350	04			38 54	76 58	70	17	17				1 2 3
U. S. SOLDIERS HOME DC	9035	04			38 56	77 01	230	18	18				1 2 3
WASHINGTON WB CITY D C	9290	04			38 54	77 03	72	93	93				1 2 3 C
DELAWARE													
BRIDGEVILLE 1 NW	1330	02	SUSSEX	1	38 45	75 37	50	73	73				1 2 3
DOVER	2730	02	KENT	2	39 09	75 31	23	76	76				1 2 3
GEORGETOWN 5 SW	3570	02	SUSSEX	1	38 38	75 28	45	18	18				1 2 3 34 C
LEWES 1 SW	5320	02	SUSSEX	2	38 46	75 09	20	19	19				1 2 3
MIDDLETOWN 2 S	5852	01	NEW CASTLE	2	39 26	75 43	75	12	12				1 2 3
MILFORD 3 NW	5915	02	SUSSEX	2	38 56	75 29	92	68	68				1 2 3
MILFORD UNIVERSITY FARM	6410	01	NEW CASTLE	2	39 40	75 44	90	51	51				1 2 3 34 C
SELBYVILLE	8269	02	SUSSEX	2	38 28	75 13	32	10	10				1 2 3
WILMINGTON NCATTLE WB AP	9295	01	NEW CASTLE	2	39 40	75 36	76	16	16				1 2 3 C
WILMINGTON PORTER RESVR	9405	01	NEW CASTLE	2	39 44	75 32	274	52	52				1 2 3

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

## 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 21240, or to any Weather Bureau Office near you.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F., precipitation and evaporation in inches, and wind movement in miles.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 4.

Normals for all stations are climatological normals based on the period 1931-1960. "DEP" in Table 4 refers to departures from long-term means based on periods varying from 10 to 29 years which are used in place of normals.

Years of Record as shown in the Station Index are approximate since gaps in the records may not have been considered in arriving at the totals shown.

Climatological divisions outlined on the maps in this bulletin became effective with data for October 1956.

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 in the June and December issues of Climatological Data.

- No record.

+ Also earlier date (dates) or months.

\* Amount included in following measurement.

# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

B Adjusted to a full month.

C Data for recorder stations denoted by "C" in the Refer to Tables column of the Station Index are processed for special purposes and published in "Hourly Precipitation Data". Length of record for recorder-only stations may be found in the annual issue of "Hourly Precipitation Data".

E Amount is wholly or partially estimated.

M One or more days' record missing; if average value is entered, less than 10 days' record is missing. See monthly Climatological Data for detailed daily record.

R Amounts from recording gage. These amounts are essentially accurate but may vary slightly from the amounts to be published later in "Hourly Precipitation Data".

# MARYLAND AND DELAWARE

