



CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

U.S. DEPARTMENT OF COMMERCE

MAURICE H. STANS, Secretary

ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

ANNUAL SUMMARY 1969

Volume 73 No. 13

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

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																										
ASSATEAGUE STATE PARK	34.9		36.7		40.0M		53.2		62.3		71.5		76.4M		75.7		70.3		60.6		48.3		38.4		55.7M	
CRISFIELD SOMERS COVE	34.9	- 4.4	37.1	- 2.8	42.5	- 4.0	57.3	- 4	65.2	- 1.7	75.1	- 2	78.6	- 8	76.4	- 1.6	70.7	- 1.9	59.7	- 2.5	49.1	- 2.1	38.3	- 2.9	57.1	- 2.0
PODOMOKE CITY 1 S	32.7				40.3		56.2		62.5		73.0		76.1		74.2		67.7		57.9		46.2		37.0			
PRINCESS ANNE	34.2		35.7		41.2		56.8		63.7		74.6		77.0		74.4		68.2		58.2		46.5		36.5		55.6	
SALISBURY	35.4M		37.4M		42.4		57.5		65.0		74.9		77.2		74.6		68.6		59.3		48.3		37.5		56.5M	
SALISBURY FAA AIRPORT	33.1		34.4		39.3		55.1		62.8		73.9		76.8		74.7		67.9		56.1		44.6		36.9		54.6	
SNOW HILL 4 N	34.0	- 4.1	35.3	- 3.4	39.8	- 4.9	55.3	1.3	63.0	- 1.1	72.8	- 2	75.6	- 1.1	73.7	- 1.5	67.7	- 1.5	57.4	- 1.4	46.3	- 2.1	37.0	- 2.3	54.8	- 1.9
DIVISION	34.2	- 4.1	36.1	- 2.7	40.8	- 4.2	55.9	1.1	63.5	- 1.1	73.7	- 6	76.8	- 5	74.8	- 1.1	68.6	- 1.4	58.5	- 1.1	47.0	- 2.1	37.4	- 2.2	55.6	- 1.6
CENTRAL EASTERN SHORE 02																										
BLACKWATER REFUGE	34.1		36.0		42.6		57.5		64.9		75.8		78.6		75.7		69.7		58.4		47.1		37.1		56.5	
CAMBRIDGE 4 W	32.6		34.3		40.4		56.1		63.9		74.7		77.7		74.6		68.5		57.3		46.7		35.8		55.2	
DENTON 1 NNW	31.8		34.4M		39.2M		56.3		64.5		76.0		77.0		73.7		67.3		56.1		45.3		35.1M		54.7M	
EASTON POLICE BARRACKS	33.9	- 2.7			42.4	- 1.9	57.5	2.9	65.1M	- 4	75.2	2.0	78.2	- 9	75.1	- 5	69.2	- 6	58.0	- 3	47.5	- 4	36.0	- 1.9		
PRESTON 1 S	32.9		34.9		40.8		56.4		64.0		75.1		77.4		74.1		67.9		57.0		47.0		35.9		55.3	
ROYAL OAK	33.2		35.5		42.0		57.4		66.1		75.0		78.0		75.6		69.5		58.4		48.0		35.9		56.2	
VIENNA	34.2		36.6		42.6				66.3		76.2		78.7		76.7		70.4		58.8		48.5M		37.4			
DIVISION	33.2	- 3.7	35.3	- 2.1	41.4	- 2.9	56.9	2.1	65.0	- 2	75.4	2.2	77.9	- 7	74.8	- 9	68.9	- 6	57.7	- 1.1	47.2	- 1.1	36.2	- 2.1	55.8	- 1.8
LOWER SOUTHERN 03																										
CHARLOTTE HALL 2 SE											74.5		77.5		73.6		66.8		56.0		45.4		34.0			
LA PLATA 1 W	33.1		35.6		41.7		57.5		64.9M		74.1		77.5		73.3		67.2		55.8		45.6		34.6		55.1M	
LEONARDTOWN 3 NW	33.2M		35.0M										77.3		75.0		68.8		57.3		46.7		35.6M			
OWINGS FERRY LANDING	32.9	- 4.1	34.6	- 3.0	42.0	- 2.6	58.1	2.9	65.9	- 1.1	74.2	1.2	77.1	- 2	73.8	- 1.2	67.8	- 1.1	56.7	- 1.9	46.7	- 1.5	35.6	- 2.7	55.5	- 1.0
PRINCE FREDERICK 1 N											73.8				73.7		67.4		56.1		46.0		34.6			
SOLDONOS																										
WALDORF POLICE BRKS	35.0	- 4.5	36.0	- 3.0	42.6	- 2.7	57.7	2.2	67.2	- 1.2	76.2	1.6	78.8	- 0	76.9	- 9	70.9	- 1.2	60.1	- 1.1	48.1M	- 2.3	37.0M	- 3.3	57.1M	- 1.2
DIVISION	33.4	- 3.9	35.4	- 2.6	42.1	- 2.7	57.8	2.6	65.8	- 9	74.7	1.6	77.6	- 5	74.4	- 1.1	68.1	- 1.3	57.0	- 1.8	46.4	- 1.9	35.1	- 3.4	55.7	- 1.0
UPPER SOUTHERN 04																										
ANNAPOLIS	32.3	- 3.6	34.8	- 1.6	41.2	- 1.9	56.6	2.8	65.9	- 1.8	74.5	1.3	77.5	- 0	75.2	- 8	69.3	- 6	57.9	- 1.3	45.9	- 2.2	35.1	- 3.6	55.5	- 1.8
BALTIMORE WB AIRPORT	31.7	- 3.1	34.9	- 1.8	40.7	- 2.4	56.2	2.0	65.5	- 1.1	74.9	2.4	77.5	- 6	76.5	- 1.5	69.5	- 1.4	57.7	- 1.4	46.1	- 1.6	34.5	- 3.8	55.5	- 3
BELTSVILLE	29.7		33.3		39.1		54.3		62.7		72.3M		75.8		73.3		66.5		53.8		43.1		32.8		53.1M	
BELTSVILLE PLANT STA	30.8		34.0		39.9		55.1		64.0		72.8		76.6		73.6		67.1		54.8		44.4		33.4		53.9	
COLLEGE PARK	33.3	- 2.7	35.6	- 1.2	42.6	- 1.4			65.9M	- 1.2	75.3M		77.9M	- 1.1			66.9M	- 7	56.7		46.7	- 1	35.0	- 2.0		
DALECARLIA RESVR D C	33.1		35.5		41.4		58.3		66.7		75.2M		77.6		75.4		69.0		57.2				33.7			
FORT GEORGE G MEADE	31.7		34.1		41.1		56.5		65.0		73.4		76.5		73.9		67.2		55.7		45.3		33.9		54.5	
GLEN DALE BELL STA	32.9	- 2.2	34.9	- 1.0	41.5	- 1.7	56.7	3.0	64.2	- 4	73.3	1.3	76.6	- 7	73.1	- 1.2	67.4	- 4	57.5	- 1.1	44.7	- 1.2	33.9	- 2.1	54.6	
LAUREL 3 W	33.1		34.5		41.6		57.5		66.6		74.7		77.8		75.7		69.2		58.2		46.5		34.1		55.8	
NATIONAL AERODROM D C	34.3		36.0		42.8		58.0		66.3		75.0		78.5		75.1		69.0		58.0		46.4		35.3		56.2	
SUITLAND	30.9		34.5		40.3		56.1		65.2		73.6		76.9		73.6		67.7		56.2		45.0		34.4		54.5	
U S SOLDIERS HOME DC	33.1		34.9		41.6		58.0		66.9		74.7		77.4		74.9		68.7		56.9		45.6		34.2		55.0	
UPPER MARLBORO 3 NNW	31.4		34.4		40.1		55.8		63.6		73.3		76.7		73.6		67.0		55.1		45.3		34.1		54.2	
DIVISION	32.1	- 3.5	34.7	- 1.6	41.1	- 2.3	56.6	2.6	65.3	- 1.1	74.1	1.6	77.2	- 5	74.5	- 6	68.3	- 2	56.6	- 1.1	45.5	- 1.2	34.3	- 2.6	55.0	- 1.6
NORTHERN EASTERN SHORE 05																										
CENTREVILLE	33.1		34.3		41.3		56.0		64.3		73.9		76.8		74.1		68.6		56.8		46.7		34.3		55.0	
CHESTERTOWN	32.1		34.2		40.9		56.1		65.5		74.2		76.6		75.2		68.8		57.3		45.8		34.8		55.1	
COLEMAN 3 NNW	31.7	- 3.6	34.2	- 1.9	41.5	- 3	56.9	2.5	65.5M	- 2.0	75.1	2.0	77.8	- 3	75.5M	- 5	68.4	- 6	57.6	- 1.7	46.3M	- 1.7	34.0	- 3.3	54.5M	- 3
EASTON NECK ISLAND	33.5M																									
MILLINGTON	31.6	- 3.8	33.7	- 2.3	40.6	- 2.8	55.1	1.1	63.3	- 6	74.2	2.0	76.1	- 1.5	74.3	- 4	67.1	- 1.5	57.5	- 2.3	45.1	- 2.0	33.5	- 3.3	54.2	- 1.8
DIVISION	32.4	- 3.1	34.1	- 2.0	41.1	- 1.7	56.0	2.0	64.7	- 5	74.3	1.5	77.0	- 2	74.9	- 6	68.8	- 5	57.1	- 1.5	46.3	- 1.2	34.5	- 2.8	55.1	- 1.8
NORTHERN CENTRAL 06																										
ABERDEEN PHILLIPS FLD	31.9		34.6		41.4M		56.1		64.7		74.5		76.3		74.9		68.6		55.7		45.2		33.4		54.8M	
BALTIMORE WB CITY	34.8	- 2.5	37.2	- 1.6	43.2	- 1.5	60.4	4.7	70.3	- 4.2	77.9	3.2	80.0	- 9	79.1	- 1.8	72.4	- 1.8	60.2	- 2	48.4	- 4	36.9	- 2.1	58.4	- 1.8
BENSON POLICE BARRACKS	30.7		33.5		40.0		54.5M		63.6		73.0		75.8		74.1		68.5M		54.6M		44.7		33.1		53.8M	
BOYDS 2 NW	30.2		32.8		39.4		54.5		64.5M		72.3		75.3		72.2		66.4		55.3		42.8		31.7		53.1M	
CATOCIN MOUNTAIN PARK	25.7		28.0		35.4		53.0		61.7		69.2		70.4		69.0		62.8M		52.4		38.6M		25.6		49.3M	
CLARKSVILLE 3 NNE	30.1		32.3		39.0		54.3		62.4		72.6		75.0		71.5		65.9		53.4		42.8		31.8		52.6	
CONQUINGDOM DAM	29.3		32.4		38.5		54.1		63.1		73.5M		75.6		74.3M		67.1		55.0		42.9M		32.4		53.2M	
EMMITTSBURG 2 SE	30.2M	- 3.6	33.0M	- 1.6	40.2	- 1.9	54.8	2.0	63.2	- 1	72.7	- 9	75.0	- 1.2	73.0	- 1.5	66.4	- 1.4	54.9	- 1.6	43.8	- 1.6	32.3	- 3.0	53.3M	- 1.2
FREDERICK WFMD	29.1M		32.8		38.3M		53.1M		62.2		71.2		73.7		71.1		64.8		52.5		41.8M		30.1		51.6M	
DIVISION	30.2	- 2.7	32.8	- 1.9	40.3	- 1.8	56.3	4.1	63.4	- 8	71.8	- 5	75.5	- 1	72.5	- 1.4	66.8						31.1M	- 3.1		
PARKTOWN 2 SW	27.4		30.1		36.4		52.4		60.6		70.2		73.2		71.4		64.5				41.7		30.3		51.0	
ROCKVILLE	31.6		34.9		37.9		55.2M		63.4M		73.5M		75.8M		72.0M		63.3M		53.2							
TOWSON	28.7		34.0		40.8		55.8		65.6		74.4		76.6		74.8		68.2		57.4		45.2		33.1		54.8	
UNIONVILLE	28.7		30.8		37.4		53.0		61.6		70.9		73.7		71.2		64.5		51.8		41.1		30.3		51.3	
WESTMINSTER 2 SSE	28.7	- 4.4	30.8	- 3.1	37.2	- 4.1	53.7	1.4	62.5	- 0	71.6	- 9	74.2	- 7	72.1	- 1.1	65.4	- 1.1	53.4	- 2.3	42.0	- 2.7	29.9	- 4.5	51.8	- 1.8
WHEATON REGIONAL PARK	31.2		33.5		40.2		56.1		64.2		72.4		75.4		72.3		63.6		54.5		44.5					

Table 1-Continued

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

MARYLAND AND DELAWARE
1969

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
* * * ALLEGHENY PLATEAU 08																										
BITTINGER 2 NW	25.3	- 3.9	25.1M	- 2.7	30.2	- 5.8	49.0	1.8	57.2	.2	64.3	.0	67.0M	.8	65.6	- 1.6	59.3	- 1.5	46.8M	- 1.5	34.9	- 2.8	22.7	- 6.3	46.4	- 1.9
OAKLAND 1 SE	22.7		28.6		32.4		50.9		58.5		66.9		71.2		68.0		61.8		49.6		38.4		26.5		48.0	
SAVAGE RIVER DAM			27.7	- .8	30.8	- 4.0	49.3	3.1	56.7M	.4	65.2	1.0	68.8	1.1	65.1	- 1.0	59.3	- .3	48.2M	- 1.1	36.3	- 1.8				
SINES DEEP CREEK 2																										
DIVISION	24.0	- 4.3	27.1	- 1.6	30.9	- 4.2	49.6	3.0	57.4	.8	65.3	.7	69.0	1.1	65.8	- .8	59.6	- .8	48.4	- 1.6	36.5	- 2.1	24.4	- 5.0	46.5	- 1.2
DELAWARE																										
* * * NORTHERN 01																										
MIDDLETOWN 1 WSW	31.6M		33.8		40.6		55.7		64.2M		73.8M		76.1		74.3		67.7		56.2		45.1M		33.7		54.4M	
NEWARK UNIVERSITY FARM	30.8		33.4		39.9		55.0		63.5		72.8		74.9		74.2		65.9M		55.6		44.9		32.2M		53.6M	
WILMOTON NCASTLE WB AP	30.8	- 2.6	33.6	- .2	39.6	- 1.7	55.1	3.0	64.2	1.5	73.4	2.0	75.7	- .3	75.4	1.1	68.2	.6	56.0	- .6	44.6	- .8	32.7	- 2.4	54.1	.0
WILMOTON PORTER RESVR	29.9		32.3		38.1		54.4		63.5		72.2		74.0		73.6		66.3		54.6		43.5		31.2		52.8	
DIVISION	30.8	- 3.1	33.3	- 1.0	39.6	- 2.1	55.1	2.8	63.9	1.0	73.1	1.6	75.2	- .8	74.4	.1	67.0	- 1.0	55.6	- 1.6	44.5	- 1.5	32.5	- 3.1	53.8	.7
* * * SOUTHERN 02																										
BRIDGEVILLE 1 NW	32.4	- 4.1	34.2	- 2.9	39.6	- 4.0	55.8	2.2	63.7	.0	74.9	2.7	76.7	.5	74.1	- .4	67.2	- 1.2	55.1	- 2.9	44.9	- 2.6	34.3	- 3.5	54.4	- 1.4
DOVER	32.9	- 3.5	34.5	- 2.3	41.2	- 2.5	56.6	2.5	64.9	.5	74.4	1.5	76.3	- .8	75.1	- .3	69.3	- .1	57.6	- 1.1	46.3	- 1.6	34.9	- 3.0	55.3	.9
GEORGETOWN 5 SW	31.4		33.8		39.0M		54.7		62.3		74.1M		75.8		73.4		66.9		54.7		43.9		33.1M		53.6M	
LENES 1 SW	32.8		33.8		39.6		54.8		62.0		72.5		75.4		74.1		68.2		56.9		46.0		36.0		54.4	
MILFORD 2 WSW	32.6		34.3		40.3		56.5M		64.1		74.0		75.6		73.7		67.4		55.7		44.7		34.8		54.5M	
SELBYVILLE	34.1		35.5		40.8		56.3		63.0		74.1		76.7		75.0		68.5		58.0		47.1		36.8		55.5	
DIVISION	32.7	- 4.1	34.4	- 2.8	40.1	- 3.7	55.8	2.1	63.3	- .6	74.0	1.6	76.1	- .5	74.2	- .7	67.9	- 1.0	56.3	- 2.1	45.6	- 2.3	35.0	- 3.1	54.6	- 1.5

Division averages in the annual issue include delayed and corrected data and may differ slightly from values published in monthly issues.

A SPECIAL WEATHER SUMMARY DESCRIBING UNUSUAL WEATHER WAS PUBLISHED IN ALL THE 1969 MONTHLY ISSUES OF THIS BULLETIN EXCEPT FOR APRIL AND NOVEMBER.

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

MARYLAND AND DELAWARE
1969

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																										
ASSATEAGUE STATE PARK	3.57		3.09		3.35		3.42		1.13		1.35		12.41		6.07		1.42		.84		2.30		5.39		44.34	
CRISFIELD SOWERS COVE	1.86	1.70	2.58	.57	1.25	2.76	3.25	.41	1.33	2.36	1.77	1.54	7.20	2.15	13.37	8.32	1.30	2.33	1.13	2.24	1.10	2.14	5.82	2.90	42.16	2.68
POCOMOKE CITY 1 S	3.13		2.53		3.42		2.66		.87		2.55		12.23		8.37		2.38		1.16		1.76		7.72		48.78	
PRINCESS ANNE	1.92		2.95		3.01		4.94		.63		2.38		7.53		12.39		3.20		.73		1.50		6.80		48.04	
SALISBURY	3.15	.51	3.27	.06	4.04	.09	3.83	.49	1.31	2.31	1.90	1.59	5.45	1.08	9.94	3.93	1.47	2.97	.67	2.83	1.79	1.42	7.71	4.58	44.53	1.60
SALISBURY FAA AIRPORT	2.33		3.26		2.44		3.79		1.57		2.19		5.80		11.57		2.98		1.03		2.64		7.74		47.34	
SNOW HILL 4 N	3.73	.21	4.05	.62	6.00	1.38	4.15	.54	.78	2.83	1.93	1.87	8.79	3.67	9.16	3.49	3.57	.93	.74	3.17	2.99	.56	6.54	3.13	52.43	3.26
DIVISION	2.81	.82	3.10	.09	3.36	.78	3.72	.31	1.09	2.43	2.01	1.44	8.49	3.68	10.12	4.69	2.36	1.87	.90	2.63	2.01	1.30	6.83	3.71	46.80	1.03
* * *																										
CENTRAL EASTERN SHORE 02																										
BLACKWATER REFUGE	2.42		3.33		2.70		3.91		1.88		1.38		6.88		7.46		2.36		1.03		1.47		7.66		42.50	
CAMBRIDGE 4 W	2.09		2.43		3.11		3.81		2.52		2.05		7.63		9.79		2.72		1.43		1.78		7.91		47.27	
DENTON 1 WNW	1.85		1.90		3.14		2.67		3.38		2.52		4.46		8.08		3.75		1.58		.92		6.95		41.20	
EASTON POLICE BARRACKS	1.59	1.80E	2.64	.31	2.05	1.90	2.60	.88	4.09	.21	1.32	2.04	4.27	.47	7.77		3.81	.14	1.37	1.81	1.53	2.00	5.67	3.54E	39.71	4.94
PRESTON 1 S	1.98		2.68		3.82		3.43		2.42		.95		5.13		10.53		3.97		1.12		1.36		7.51		45.30	
ROYAL DAK	1.86		2.60		3.54		3.14		4.46		2.13		4.15		9.34		5.25		1.91		1.73		7.74		47.85	
VIENNA	3.34		3.35		3.75		3.72		2.06		1.33		9.57		9.51		2.35		1.02		2.80		8.52		51.52	
DIVISION	2.16	1.38	2.70	.21	3.16	.74	3.33	.07	2.97	.98	1.67	1.85	6.01	1.16	8.99	3.81	3.49	.59	1.35	1.88	1.66	1.88	7.57	4.44	45.06	.17
* * *																										
LOWER SOUTHERN 03																										
CHARLOTTE HALL 2 SE	2.12		2.59		2.77		1.88		2.71		1.68		4.46		7.39		1.81		1.45		2.04		5.89		40.87	
LA PLATA 1 W	1.62		1.08		3.54		3.30		2.94		1.91		17.08		6.50		2.26		1.14		2.43		8.09		35.98	
OWINGS FERRY LANDING	1.92	1.56	2.17	.45	1.89	1.60	1.82	1.66	3.38	.72	1.93	1.33	6.40	2.13	8.22	2.91	2.01	2.16	1.22	2.07	1.82	1.41	7.18	4.13	39.66	3.79
PRINCE FREDERICK 1 N	1.71		2.01		1.35		1.81		2.29		1.60		7.34		9.06		2.23		1.44		1.79		7.05		42.78	
SOLDONDS	2.04	1.51	2.81	.03	3.54	.07	3.50	.00	2.94	.82	1.53	1.92	17.79	12.22	8.94	3.94	2.21	1.38	1.12	1.99	1.26	2.07	7.25	4.28	54.93	10.71
WALDORF POLICE BRKS	2.24		2.76		2.33		2.68		1.76		1.86		5.79		5.51		2.00		1.34		2.09		7.41		37.77	
DIVISION	1.99	1.58	2.28	.49	2.81	.85	2.68	.82	2.75	1.18	1.84	1.66	8.95	3.94	7.11	1.84	2.07	1.88	1.27	2.10	1.90	1.33	7.22	4.12	42.87	1.99
* * *																										
UPPER SOUTHERN 04																										
ANNAPOLIS	1.47	1.67	2.16	.41	2.34	1.28	2.44	.87	3.60	.23	3.53	.02	8.84	4.70	8.93	4.43	2.60	.86	1.96	.67	1.78	1.00	8.10	5.25	47.75	7.41
BALTIMORE WB AIRPORT	1.38	2.05	1.75	1.14	1.63	2.19	1.80	1.80	1.46	2.52	3.65	.36	5.22	1.00	3.81	1.38	2.50	.72	1.10	2.08	1.74	1.39	7.44	4.45	39.58	9.47
BELTSVILLE	1.66		1.55		1.25		1.74		2.98		4.01		8.41		9.27		1.54		1.14		2.15		6.43		42.13	
BELTSVILLE PLANT STA 5	1.71		2.08		1.35		1.81		2.29		5.60		6.22		9.04		2.25		1.44		2.03		6.88		43.74	
COLLEGE PARK	1.61	1.64	2.01	.69	1.42	2.31	1.93	1.66	2.45	1.76	5.66	1.85	6.34	2.20	8.12	2.97	2.60	1.20	1.29	1.87	2.55	.54	7.10	4.06	43.08	.39
DALECARLIA RESVR D C	2.55		3.13		1.64		1.86		2.06		4.04		6.25		8.05		2.09		1.61		2.45		6.94		42.67	
FORT GEORGE G HEADE	1.65		2.10		1.41		2.15		2.25		4.00		7.37		7.37		1.79		1.35		2.02		7.04		40.87	
GLENN DALE BELL STA	1.61	1.82	2.08	.75	1.40	2.44	2.42	1.12	2.07	2.16	6.15	2.16	6.95	1.93	8.13	3.06	3.65	2.21	1.24	2.12	2.12	1.10	7.20	4.23	43.03	2.34
LAUREL 3 W	1.61		1.96		1.75		1.77		2.66		3.28		6.82		7.52		2.38		1.52		2.45		6.58		40.20	
NATIONAL ARBRETUM D C	1.89		2.41		1.77		2.00		1.83		4.91		9.37		6.66		3.41		1.21		2.37		8.04		45.87	
SUITLEND	1.64		1.94		1.50		2.10		4.71		6.47		5.67		5.67		3.53		1.27		2.02		7.28		39.69	
U. S. SOLDIERS HOME DC	2.11		2.41		1.71		1.97		1.97		7.46		7.20		6.09		2.45		1.48		2.53		7.18		44.36	
UPPER MARLBORO 3 NNW	2.10		2.40		1.99		2.35		1.82		2.33		7.84		6.03		2.70		1.28		2.15		6.89		39.44	
DIVISION	1.77	1.55	2.16	.56	1.63	2.07	1.98	1.47	2.27	1.80	4.56	.84	7.21	2.88	7.28	2.27	2.43	1.33	1.38	1.76	2.19	.87	7.16	4.19	42.02	1.23
* * *																										
NORTHERN EASTERN SHORE 05																										
CENTREVILLE	2.39		2.60		2.34		2.53		3.41		2.99		8.61		7.57		3.38		1.95		1.75		9.06		48.28	
CHESTERTOWN	1.63		2.15		2.03		2.63		4.87		2.63		6.87		7.60		2.44		1.77		1.72		7.65		43.99	
COLEMAN 3 WNW	1.72	1.89	2.03	.90	1.89	1.97	2.38	1.05	5.10	.93	2.77	.87	9.34	5.05	4.72	.25	2.11	1.60	2.81	.27	2.20	1.21	7.35	4.17E	44.42	.14
EASTERN NECK ISLAND	1.70		2.08		1.37		1.92		3.71		2.98		7.14		8.63		3.13		1.57		1.53		7.42		43.74	
HILLINGTON	1.75	1.90	2.23	.70	1.85	2.01	2.96	.32	3.28	.65	1.96	1.20	9.53	5.29	7.72	2.84	3.11	.51	2.25	.70	1.70	1.80	7.68	4.56	46.06	2.90
DIVISION	1.84	1.76	2.34	.57	1.90	1.99	2.48	.95	4.07	.04	2.67	.73	8.30	3.82	7.25	2.50	2.83	.75	2.06	.92	1.78	1.56	7.83	4.69	45.37	1.74
* * *																										
NORTHERN CENTRAL 06																										
ABERDEEN PHILLIPS FLD	2.17		1.86		1.05		1.95		1.72		4.09		5.17		4.22		10.49		1.38		1.77		8.73		44.60	
BALTIMORE WB CITY	1.06	2.37	1.72	1.26	1.44	2.50	1.98	1.73	1.49	2.66	3.30	.57	5.23	.84	3.01	1.59	2.74	.89	1.27	1.98	2.13	.97	7.85	4.69	33.22	10.99
BENSON POLICE BARRACKS	1.48		1.57		1.61		2.73		1.54		2.14		5.43		2.98		5.62		1.20		2.68		9.50		36.52	
BOYDS 2 N	1.90		1.97		1.29		1.62		1.50		3.94		5.05		3.91		6.37		1.07		2.72		6.45		36.30	
BRIGHTON DAM	1.17		1.63		1.70		2.04		1.65		4.36		5.59		5.25		3.54		1.34		2.47		6.90		37.19	
BROOKDALE	1.93		2.34		2.24		1.87		2.20		4.47		6.10		7.37		3.51		1.51		2.81		6.94		43.29	
CATOCTIN MOUNTAIN PARK	1.71		2.97		3.19		2.71		3.17		2.65		4.85		3.16		3.82		2.52		5.53		8.42		44.70	
CLARKSVILLE 3 NNE	1.38		2.08		1.38		2.29		1.83		3.11		5.37		4.42		4.34		1.33		2.54		7.21		37.28	
CROWNING DAM	1.48		1.81		2.32		2.08		1.85		3.04		6.25		3.53		4.82		1.54		2.70		7.19			

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

MARYLAND AND DELAWARE
1969

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
EDGEWONT	1.30		1.12		1.72		2.30		1.84		2.93		4.63		3.88		3.53		1.65		3.37		5.61		33.94	
FROSTBURG	1.53	1.63	1.80	.90	2.18	1.77	1.24	2.33	1.93	2.40	3.25	1.10	5.18	1.47	2.79	1.29	3.02	.17	1.57	1.76	2.98	.37	6.25	3.39	33.52	8.12
HAGERSTOWN	1.50		.93		1.77		2.05		1.80		2.40		5.37		3.86		3.12		1.46		2.89		4.97		32.33	
HANDOCK FRUIT LAB	1.04	1.69	.84	1.26	1.98	1.46	1.10	1.98	1.46	2.42	2.01	1.79	4.96	1.44	3.95	.56	1.11	1.79	1.51	1.77	2.98	.43	5.15	2.65	28.09	9.10
PICARDY	1.38		.98		1.90		1.46		1.60		2.61		6.14		4.57		2.64		1.21		2.09		5.38		31.96	
WESTERNPORT UPRC	.81		.69		1.42		.99		1.37		2.60		4.17		4.34		2.68		1.22		1.14		4.46		25.89	
WILLIAMSPORT	.87		.90		1.32		2.04		1.88		2.21		5.92		3.15		1.87		1.84		2.53		4.90		31.43	
DIVISION	1.31	1.49	1.10	1.14	1.82	1.69	1.46	1.79	1.87	2.11	2.41	1.42	5.38	1.72	3.91	.02	2.62	.46	1.43	1.64	2.47	.09	5.37	2.69	31.15	7.40
* * *																										
ALLEGHENY PLATEAU 08																										
BITTINGER 2 NW	2.52		2.41		2.43		2.77		1.88		2.64		7.14		2.95		2.50		1.54		3.36		6.65		38.79	
MERRILL	1.19		1.71		1.74		1.82		1.83		2.74		7.15		4.52		2.69		1.49		2.46		5.72		35.06	
OAKLAND 1 SE	2.25	2.13	1.71	1.75	2.64	1.91	3.34	.80	1.70	3.01	2.38	2.30	5.97	1.13	5.68	1.12	3.40	.12	2.25	.87	2.31	.83	6.03	2.32	39.60	8.91
SAVAGE RIVER DAM	1.52		1.07		1.41		1.77		1.22		2.13		4.28		3.40		3.19		1.56		1.61		4.84		28.10	
SINES DEEP CREEK 2	2.83	1.51	1.69	1.96	2.23	2.30	3.65	.50	1.75	2.92	1.82	3.00	7.04	2.18	3.62	.67	2.86	.55	2.04	1.06	3.10	.03	5.44	1.68	38.27	10.58
DIVISION	2.31	1.74	1.72	1.57	2.18	2.13	2.88	1.12	1.64	2.90	2.24	2.31	6.11	1.54	3.95	.42	2.99	.26	1.85	1.27	2.60	.38	5.74	2.25	36.21	10.31
DELAWARE																										
* * *																										
NORTHERN 01																										
MIDDLETOWN 1 WSW	1.50		2.06		1.59		2.32		3.42		2.11		5.55		2.89		4.16		2.00		1.98		6.75		36.33	
NEWARK UNIVERSITY FARM	1.76		1.69		1.12		2.24		3.63		3.92		7.08		2.36		6.24		1.74		1.74		6.10		39.08	
WILMINGTON NCATTLE WB AP	1.68	1.72	1.76	1.19	1.71	2.31	1.59	1.75	3.21	.32	3.62	.43	6.48	2.23	2.34	3.23	6.84	2.89	1.47	1.44	1.79	1.74	7.90	4.87	40.28	4.18
WILMINGTON PORTER RESVR	2.06	1.41	1.41	1.38	2.05	1.96	1.77	1.97	3.43	.67	4.68	.77	6.87	2.40	2.64	2.68	5.34	1.91	1.45	1.65	2.23	1.44	6.54	3.41	40.47	4.67
DIVISION	1.75	1.73	1.73	1.12	1.62	2.33	1.98	1.58	3.42	.58	3.58	.25	6.50	2.13	2.56	2.68	5.65	2.17	1.67	1.47	1.94	1.54	6.84	3.74	39.24	5.24
* * *																										
SOUTHERN 02																										
BRIDGEVILLE 1 NW	2.86	.68	2.78	.11	3.37	.61	4.25	.82	1.83	1.95	1.39	2.21	5.22	.16	8.65	3.10	2.96	1.06	1.18	2.01	2.06	1.15	8.75	5.72	45.29	.02
DOVER	1.93	1.77	2.47	.56	3.56	.56	3.20	.22	3.70	.45	4.18	.72	9.06	4.39	5.31	.42	11.85	8.04	1.54	1.73	2.16	1.51	8.34	5.23	57.30	11.16
GEORGETOWN 5 SW	2.64		2.45		3.24		3.95		1.41		1.95		9.91		8.73		1.26		.86		2.25		7.23		45.98	
LEWES 1 SW	2.54		3.23		3.91		3.95		1.40		2.21		8.18		6.73		3.01		.73		3.74		6.72		46.37	
MILFORD 2 WSW	2.85		3.18		4.09		3.36		1.67		6.14		7.20		8.39		5.41		1.86		2.25		8.39		54.81	
SELBYVILLE	3.95		3.75		4.55		3.83		.90		1.74		9.09		10.73		1.72		1.42		3.24		7.38		52.20	
DIVISION	2.80	.96	2.98	.10	3.79	.40	3.76	.26	1.82	2.07	2.94	.67	8.11	3.27	8.09	2.47	4.39	.30	1.27	2.13	2.62	.95	7.80	4.60	50.37	3.62

Division averages in the annual issue include delayed and corrected data and may differ slightly from values published in monthly issues.

TEMPERATURE EXTREMES AND FREEZE DATA

MARYLAND AND DELAWARE
1969

Table 3

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																																			
ASSATEQUE STATE PARK	95	7-1	11	1-2	1-12	16	3-12	19	3-12	19	3-31	27	4-1	30	10-24	29	11-21	27	11-22	24	NONE	NONE	NONE	NONE	255	235	206	255	235	206	255	235	206		
CRISFIELD SOMERS COVE	92	7-6	16	1-6	1-6	16	1-28	19	3-12	22	3-16	27	4-1	32	11-17	31	11-22	26	12-21	21	NONE	NONE	NONE	NONE	255	235	206	255	235	206	255	235	206		
POCOMOKE CITY 1 S	95	7-1	12	1-11+	-	-	4-1	19	4-1	19	4-14	26	5-2	32	10-18	29	10-24	23	10-24	23	11-22	16	11-22	16	-	235	206	193	169	235	206	193	169		
PRINCESS ANNE	96	7-19+	7	1-6	2-15	12	2-15	12	4-1	21	4-13	28	4-14	31	10-18	29	10-23	27	10-24	19	10-24	19	11-22	15	280	251	206	193	187	251	206	193	187		
SALISBURY	95	7-18+	14	1-6	1-28	16	2-15	19	3-12	22	4-1	25	4-13	32	10-24	26	10-24	26	11-22	19	11-22	19	12-21	15	327	280	255	206	194	280	255	206	194		
SALISBURY FAA AIRPORT	96	7-18+	7	1-6	1-28	15	2-15	18	4-1	22	4-1	22	4-14	32	10-23	30	10-24	28	11-15	24	11-21	18	11-22	15	298	279	228	206	192	279	228	206	192		
SNOW HILL 4 N	94	7-18+	8	1-6	1-28	14	3-8	19	4-1	22	4-1	22	4-14	31	10-18	31	10-24	22	10-24	22	11-22	18	12-21	15	327	259	206	206	187	259	206	206	187		
* * *																																			
CENTRAL EASTERN SHORE 02																																			
BLACKWATER REFUGE	97	6-28	12	1-6	1-28	15	2-15	17	4-1	21	4-13	27	4-14	32	-	-	-	-	12-25	18	-	-	-	-	313	-	-	-	-	-	-	-	-		
CAMBRIDGE 4 W	100	6-28	9	1-6	2-11	16	3-16	20	4-1	23	4-1	23	4-13	30	10-24	30	10-25	27	11-22	18	11-22	18	12-21	14	313	251	235	207	194	251	235	207	194		
DENTON 1 NNW	98	7-18+	11	1-6+	2-15	16	3-12	20	4-1	24	4-1	24	4-15	32	10-23	29	10-24	22	10-24	22	11-22	18	12-21	16	309	255	206	206	191	255	206	206	191		
EASTON POLICE BARRACKS	98	7-18+	13	1-6	-	-	-	-	3-12	21	4-1	25	4-13	31	10-23	32	10-24	25	11-22	20	11-22	20	NONE	NONE	-	255	206	206	193	-	255	206	206	193	
PRESTON 1 S	99	6-28	10	1-6	1-28	14	3-12	20	3-12	20	4-1	25	4-13	29	10-23	30	10-24	22	10-24	22	11-22	19	NONE	NONE	-	255	226	206	206	193	-	255	226	206	193
ROYAL OAK	97	6-28	13	1-28+	1-28	13	2-15	19	3-12	21	4-1	26	4-1	26	10-24	25	10-24	25	11-22	21	12-21	18	NONE	NONE	309	255	206	206	-	-	-	-	-		
VIENNA	98	6-20	11	1-6	1-28	15	2-15	19	-	-	-	-	-	-	10-30	28	10-30	28	11-22	20	11-22	20	NONE	NONE	280	-	-	-	-	-	-	-	-		
* * *																																			
LOWER SOUTHERN 03																																			
CHARLOTTE HALL 2 SE	99	6-28	7	-	-	-	-	-	-	-	-	-	-	-	10-18	32	10-23	27	10-24	21	11-22	16	11-22	16	-	-	-	-	-	-	-	-			
LA PLATA 1 W	98	7-19+	8	1-5+	2-15	14	3-31	20	4-1	22	4-1	22	4-25	30	10-23	32	10-24	20	10-24	20	10-24	20	12-17	14	309	-	-	-	-	-	-	-	-		
LEONARDTOWN 3 NW	99	7-19	8	1-6+	2-11	15	-	-	4-1	22	4-1	22	4-1	22	10-23	32	10-24	20	10-24	20	10-24	20	11-22	15	284	-	-	-	-	-	-	-	-		
DWINGS FERRY LANDING	99	6-28	10	1-5	1-28	15	3-12	19	3-12	19	3-31	26	4-1	31	10-23	30	10-24	24	10-24	24	11-22	19	NONE	NONE	-	255	226	207	205	-	-	-	-	-	
PRINCE FREDERICK 1 N	98	6-28	-	-	-	-	-	-	-	-	-	-	-	-	10-18	30	10-24	24	10-24	24	11-22	15	-	-	-	-	-	-	-	-	-	-	-	-	
SOLOMONS	97	6-28	15	1-5	1-5	15	1-28	20	3-12	22	3-16	28	3-31	31	10-24	24	10-24	24	10-24	24	NONE	NONE	NONE	NONE	226	222	207	-	-	-	-	-	-		
WALDORF POLICE BRKS	100	7-18	7	1-2	2-15	15	4-1	20	4-1	20	4-1	20	4-25	31	10-18	30	10-24	21	10-24	21	11-16	20	11-22	15	280	229	206	206	176	229	206	206	176		
* * *																																			
UPPER SOUTHERN 04																																			
ANNAPOLIS	97	6-28	12	1-12	1-27	16	3-12	20	3-16	23	4-1	26	4-1	26	10-23	32	11-15	28	11-22	22	12-21	18	NONE	NONE	284	231	228	205	-	-	-	-	-		
BALTIMORE WB AIRPORT	98	7-18+	10	1-5	1-28	16	3-12	20	4-1	22	4-1	22	4-13	32	10-23	31	10-24	25	11-21	23	11-22	20	12-21	16	327	255	206	206	193	255	206	206	193		
BELTSVILLE	97	7-19	5	1-6	2-16	15	4-1	18	4-1	18	4-1	18	4-25	31	10-18	31	10-24	20	10-24	20	10-24	20	11-22	16	279	206	206	200	176	206	206	200	176		
BELTSVILLE PLANT STA 5	96	7-19	8	1-5	2-15	16	4-1	18	4-1	18	4-1	18	4-30	30	10-18	30	10-24	21	10-24	21	11-22	19	12-21	16	309	235	206	206	171	235	206	206	171		
COLLEGE PARK	99	7-18	10	1-8+	1-28	15	4-1	18	4-1	18	4-1	18	4-8	32	10-24	25	10-24	25	11-22	20	11-22	20	NONE	NONE	-	235	235	206	199	-	235	235	206	199	
DALECARLIA RESVR D C	96	6-28+	8	1-5	3-12	12	3-13	18	4-1	22	4-4	27	4-4	27	10-23	31	10-24	24	10-24	24	-	-	-	-	-	-	206	203	202	-	-	-	-	-	
FORT GEORGE G MEADE	98	7-18	4	1-5	2-16	14	4-1	19	4-1	19	4-1	19	4-25	32	10-18	29	10-23	27	10-24	21	11-22	15	11-22	15	279	235	206	205	176	235	206	205	176		
GLENN DALE BELL STA	97	7-18	4	1-5	2-15	15	4-1	18	4-1	18	4-1	18	4-25	31	10-18	29	10-23	26	10-24	19	10-24	19	11-22	15	280	206	206	199	176	206	206	199	176		
LAUREL 3 W	99	7-18	10	1-5	1-28	15	3-12	19	3-31	23	3-31	23	4-1	30	10-23	31	10-24	28	11-21	24	12-23	20	12-25	16	331	286	235	207	205	286	235	207	205		
NATIONAL ARBORETUM D C	99	7-18	13	1-5	1-28	15	2-15	18	4-1	22	4-1	22	4-1	22	10-24	24	10-24	24	10-24	24	11-22	18	NONE	NONE	-	280	206	206	206	206	206	206	206	206	
SUITLEND	97	7-19	12	1-6+	1-6	12	2-15	18	4-1	24	4-1	24	4-1	24	10-24	29	10-30	28	11-22	19	11-22	19	NONE	NONE	280	235	212	206	-	-	-	-	-		
U. S. SOLDIERS HOME DC	98	7-18	12	2-15+	2-15	12	3-12	19	3-12	19	4-1	27	4-1	27	10-24	31	11-15	27	11-22	24	12-25	18	NONE	NONE	288	255	228	206	-	-	-	-	-		
UPPER MARLBORO 3 NNW	99	7-19	8	1-6	1-28	13	4-1	18	4-1	18	4-1	18	4-13	29	10-18	29	10-24	20	10-24	20	10-24	20	12-21	13	327	206	206	206	188	206	206	206	188		
* * *																																			
NORTHERN EASTERN SHORE 05																																			
CENTREVILLE	98	7-18	10	1-6	2-17	14	3-12	20	4-1	21	4-13	28	4-14	31	10-23	32	10-24	22	10-24	22	11-22	18	12-21	14	307	255	206	194	192	255	206	194	192		
CHESTERTOWN	96	7-18+	12	1-5	2-15	14	3-12	20	4-1	27	4-1	27	4-1	27	10-23	32	10-24	26	11-22	23	12-21	18	NONE	NONE	-	284	255	206	205	-	284	255	206	205	
COLEMAN 3 NNW	100	6-28	13	1-28+	1-28	13	3-12	20	3-12	20	4-1	25	4-1	25	10-24	31	11-21	26	11-22	22	12-21	18	NONE	NONE	-	284	255	206	205	-	284	255	206	205	
EASTERN NECK ISLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MILLINGTON	98	7-18	8	1-6	2-15	16	4-1	20	4-1	20	4-1	20	4-13	30	10-23	29	10-24	20	10-24	20	10-24	20	11-22	16	280	206	206	206	193	206	206	206	193		
* * *																																			
NORTHERN CENTRAL 06																																			
ABERDEEN PHILLIPS FLD	96	7-18	12	1-2	1-28	15	3-12	20	3-31	23	4-1	28	4-13	32	10-23	30	10-24	21	10-24	21	11-22	20	12-21	15	327	255	207	206	193	255	207	206	193		
BALTIMORE WB CITY	100	7-18+	14	1-5	1-5	14	3-12	20	3-12	20	3-12	20	3-31	30	11-15	31	12-2	28	12-23	22	12-25	18	NONE	NONE	288	285	265	229	-	288	285	265	229		
BENSON POLICE BARRACKS	98	6-28	9	1-6	3-12	16	4-1	20	4-1	20	4-1	20	4-13	30	10-23	28	10-23	28	10-24	22	12-6	19	12-21	14	284	249	206	205	193	249	206	205	193		
BOYDS 2 NW	95	7-18	9	1-5	3-11	16	3-11	16	3-31	23	4-1	26	4-1	26	10-23	31	10-24	24	10-24	24	11-22	19	12-21	15	285	256	207	205	205	256	207	205	205		
CATOCTIN MOUNTAIN PARK	89	7-18	-	2	12-25	3-12	13	3-15	19	4-1	21	4-1	21	4-12	32	10-23	24	10-23	24	10-23	24	10-24	19	11-16	16	249	223	205	205	194	223	205			

Table 3—Continued

TEMPERATURE EXTREMES AND FREEZE DATA

MARYLAND AND DELAWARE
1969

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.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.							
MARYLAND																													
FRQSTBURG	94	7-1+	1	1-4+	3-31	15	4-1	19	4-1	19	4-1	19	5-1	32	10-15	28	10-15	28	10-23	23	10-24	16	10-24	16	207	206	205	197	167
HAGERSTOWN	98	7-18+	4	12-25	2-15	11	2-20	20	3-31	22	4-1	26	4-1	26	10-23	30	10-24	22	10-24	22	11-21	19	12-21	15	309	274	207	206	205
HANCOCK FRUIT LAB	98	7-1	-	12-25	4-1	15	4-1	15	4-1	15	4-21	28	5-1	32	10-15	30	10-18	28	10-24	15	10-24	16	10-24	16	206	206	206	160	167
PICARDY	102	6-30	3	12-25+	3-12	15	4-1	18	4-1	18	4-1	18	4-20	31	10-15	29	10-24	15	10-24	15	10-24	15	10-24	15	226	206	206	206	178
WESTERNPORT UPRC	99	6-30	3	12-26	2-15	8	4-1	20	4-1	20	4-1	20	4-25	32	10-15	31	10-24	20	10-24	20	10-24	20	11-15	10	273	206	206	206	173
* * *																													
ALLEGHENY PLATEAU 08																													
BITTINGER 2 NW	88	6-30	-	-	3-31	10	4-1	17	4-1	17	4-20	25	5-11	32	10-14	23	10-14	23	10-14	23	10-24	14	10-24	14	207	206	196	177	156
OAKLAND 1 SE	90	6-30	-11	2-15	4-1	14	4-1	14	5-1	23	5-1	23	5-27	29	10-9	31	10-15	25	10-23	23	10-24	13	10-24	13	206	206	175	167	135
SAVAGE RIVER DAM	93	7-1	2	12-21+	4-1	16	4-1	16	4-1	16	4-12	28	5-1	31	10-15	28	10-15	28	10-24	17	10-24	17	11-22	13	235	206	206	186	167
SINES DEEP CREEK 2	91	6-30	-8	2-15+	4-1	14	4-1	14	4-12	24	5-1	26	5-27	31	10-9	32	10-15	27	10-18	23	10-24	15	10-24	15	206	206	189	167	135
DELAWARE																													
* * *																													
NORTHERN 01																													
MIDDLETOWN 1 WSW	97	7-18	11	1-6+	2-15	15	3-12	19	4-1	24	4-1	24	4-13	29	10-23	27	10-23	27	10-24	22	11-22	19	12-25	16	313	255	206	205	193
NEWARK UNIVERSITY FARM	96	6-28	9	1-6	2-6	16	4-1	20	4-1	20	4-1	20	4-14	32	10-23	28	10-23	28	10-24	23	11-22	18	12-18	16	315	235	206	205	192
WILMINGTON NCATTLE WB AP	95	6-28	12	1-6+	1-28	14	3-12	19	3-12	19	4-1	25	4-1	25	10-23	28	10-23	28	10-24	24	12-4	20	12-25	16	331	267	226	205	205
WILMINGTON PORTER RESVR	98	7-18	11	1-28+	2-15	16	3-12	18	3-31	24	4-1	26	4-9	32	10-23	26	10-23	26	11-16	24	12-4	17	12-17	16	305	267	230	205	203
* * *																													
SOUTHERN 02																													
BRIDGEVILLE 1 NW	101	6-28	9	1-6	2-15	15	3-12	19	4-1	22	4-1	22	4-14	31	10-18	32	10-23	25	10-24	19	10-24	19	11-22	16	280	226	206	205	187
DOVER	98	6-28	12	1-6	1-28	14	3-12	18	3-12	18	4-1	25	4-1	25	10-23	31	10-24	25	11-21	24	11-22	19	NONE	16	279	235	234	206	205
GEORGETOWN 5 SW	99	6-29	6	1-6	2-16	16	4-1	20	4-1	20	4-13	28	4-21	32	10-18	30	10-24	21	10-24	21	11-22	16	11-22	16	279	235	206	194	180
LEWES 1 SW	96	6-28	11	1-6	1-12	15	3-12	18	4-1	24	4-1	24	4-13	31	10-23	31	10-30	28	11-21	24	12-21	17	NONE	14	280	206	205	194	180
MILFORD 2 WSW	98	6-28	6	1-6	2-15	16	4-1	20	4-1	20	4-13	28	4-14	29	10-18	30	10-23	24	10-23	24	10-24	19	11-22	14	280	206	205	193	187
SELBYVILLE	97	7-18+	8	1-6	1-28	15	3-12	20	4-1	22	4-13	28	4-14	31	10-23	31	10-24	24	10-24	24	11-22	18	12-21	15	327	255	206	194	192

Table 4

TOTAL EVAPORATION AND WIND MOVEMENT

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
MARYLAND														
* * *														
UPPER SOUTHERN 04														
BELTSVILLE	EVAP	-	-	-	-	6.348	7.498	6.448	6.258	-	3.50	-	-	-
	DEP	-	-	-	-	.51	.90	1.04	.02	-	.20	-	-	-
	WIND	-	-	-	-	1328	1185	1117	7078	-	-	-	-	-
	MAX	-	-	-	-	84.5	91.0	88.7	-	-	68.3	-	-	-
	MIN	-	-	-	-	56.3	64.3	69.0	-	-	45.9	-	-	-
UPPER MARLBORO 3 NNW	EVAP	-	-	-	4.638	6.86	6.01	6.188	6.098	3.748	3.06	-	-	-
	WIND	-	-	-	11098	242	333	252	-	-	-	-	-	-
	MAX	-	-	-	73.5	82.7	90.2	91.5	90.4	83.9	69.0	-	-	-
	MIN	-	-	-	46.5	54.8	64.4	67.7	67.0	59.2	46.6	-	-	-
* * *														
APPALACHIAN MOUNTAIN 07														
BOONSBORO	EVAP	-	-	-	3.62	5.348	5.49	5.36	4.748	3.36	2.42	-	-	-
	WIND	-	-	-	1154	8828	670	568	439	383	643	-	-	-
	MAX	-	-	-	69.3	81.1	88.5	87.0	86.6	78.2	67.0	-	-	-
	MIN	-	-	-	46.7	55.6	65.7	70.1	67.5	61.6	52.4	-	-	-
* * *														
ALLEGHENY PLATEAU 08														
SAVAGE RIVER DAM	EVAP	-	-	-	-	6.388	5.92	6.208	5.07	3.818	-	-	-	-
	WIND	-	-	-	-	-	149	9258	1134	1086	1670	-	-	-
	MAX	-	-	-	-	75.9	82.5	84.3	85.7	76.3	65.7	-	-	-
	MIN	-	-	-	-	47.7	59.5	64.5	61.2	57.0	46.4	-	-	-
DELAWARE														
* * *														
NORTHERN 01														
NEWARK UNIVERSITY FARM	EVAP	-	-	-	-	6.308	6.198	4.998	5.598	-	-	-	-	-
	WIND	-	-	-	-	1316	1059	952	888	-	-	-	-	-
	MAX	-	-	-	-	80.6	90.3	88.5	90.4	-	-	-	-	-
	MIN	-	-	-	-	56.4	65.6	68.3	66.7	-	-	-	-	-
* * *														
SOUTHERN 02														
GEORGETOWN 5 SW	EVAP	-	-	-	5.358	7.178	8.248	7.768	7.298	5.59	4.06	-	-	-
	WIND	-	-	-	25228	2299	2347	1825	1572	1672	2186	-	-	-

</

STATION INDEX

MARYLAND AND DELAWARE
1969

Station	Index No.	Division No.	County	Drainage†	Latitude	Longitude	Elevation	Years of record			Opened or closed during yr.	Refer to tables		
								Temp.	Precip.	Evap.				
MARYLAND														
ABERDEEN PHILLIPS FLD	0015	06	HARTFORD	1	39 28	76 10	37	4	4			1 2 3		
ANNAPOLIS	0193	04	ANNE ARUNDEL	1	38 59	76 30	40	18	18			1 2 3		
ASSATEGUE STATE PARK	0335	01	WORCESTER	2	38 14	75 08	7	2	2			1 2 3		
BALTIMORE WB AIRPORT R	0485	04	ANNE ARUNDEL	3	39 11	76 40	148	35	35			1 2 3		
BALTIMORE WB CITY	0470	06	BALTO CITY	3	39 17	76 37	14	99	99			1 2 3		
BELTSVILLE	0700	04	PRIN. GEORGES	5	39 02	76 53	120	32	32	29		1 2 3 C		
BELTSVILLE PLANT STA 3	0705	04	PRIN. GEORGES	5	39 01	76 57	100	21	21			1 2 3		
BENSON POLICE BARRACKS	0732	06	HARFORD	1	39 30	76 23	365	22	22			1 2 3		
BITTINGER 2 NW	0681	06	GARRETT	7	39 37	79 13	2700	17	17			1 2 3		
BLACKWATER REFUGE	0915	02	DORCHESTER	1	38 26	76 08	5	29	29			1 2 3		
BOONSBORO	0086	07	WASHINGTON	5	39 31	77 38	735	10	10	5		1 2 3		
BOYDS 2 NW	1032	06	MONTGOMERY	5	39 13	77 20	580	17	17			1 2 3		
BRIGHTON DAM	1125	06	MONTGOMERY	4	39 12	77 01	330	24	24			1 2 3		
BROADDALE	1170	06	MONTGOMERY	5	38 57	77 05	260	24	24			1 2 3 C		
CANBRIE 4 W	1385	02	DORCHESTER	1	38 34	76 09	5	75	75			1 2 3		
CATCOTT MOUNTAIN PARK	1530	06	FREDERICK	5	39 39	77 27	1750	3	3			1 2 3		
CENTREVILLE	1627	05	QUEEN ANNES	1	39 03	76 03	46	17	17			1 2 3		
CHARLOTTE HALL 2 SE	1636	03	ST. MARYS	4	38 28	76 46	166	9	9			1 2 3		
CHESTERTOWN	1750	05	KENT	1	39 13	76 04	35	64	64			1 2 3		
CHEWSVILLE BRIDGEPORT	1790	07	WASHINGTON	5	39 39	77 40	560	72	72			1 2 3		
CLARKSVILLE 3 NNE	1862	06	HOWARD	4	39 15	76 56	365	3	3			1 2 3		
COLEMAN 3 NW	1980	05	KENT	1	39 21	76 08	78	72	72			1 2 3		
COLLEGE PARK	1995	04	PRIN. GEORGES	5	38 59	76 56	70	83	83			1 2 3 C		
CONDINGO DAM	2080	06	HARFORD	6	39 39	76 10	40	34	34			1 2 3		
CRISFIELD SOMERS COVE	2215	01	SOMERSET	1	37 59	75 52	8	7	7			1 2 3		
CUMBERLAND	2280	07	ALLEGANY	5	39 39	78 43	900	99	99			1 2 3		
CUMBERLAND POLICE BRKS	2285	07	ALLEGANY	5	39 38	78 50	970	22	22			1 2 3		
DENTON 1 NW	2323	02	CARDINE	1	38 54	75 51	40	18	18			1 2 3		
EASTERN NECK ISLAND	2691	05	KENT	1	39 01	76 14	20	2	2			1 2 3		
EASTON POLICE BARRACKS	2700	02	TALBOT	1	38 45	76 04	40	78	78			1 2 3		
EDGEWONT	2770	07	WASHINGTON	5	39 40	77 33	905	31	31			1 2 3		
ELKTON	2860	06	CECIL	1	39 37	75 50	40	43	43			1 2 3		
EMMITTSBURG 2 SE	2906	06	FREDERICK	5	39 41	77 18	416	14	14			1 2 3		
FORT GEORGE G WEADE	3230	04	ANNE ARUNDEL	4	39 06	76 45	140	28	28			1 2 3		
FREDERICK WFO	3350	06	FREDERICK	5	39 23	77 28	425	26	26			1 2 3		
FREDERICK 3 E	3355	06	FREDERICK	5	39 24	77 22	395	21	21			1 2 3		
FROSTBURG	3410	07	ALLEGANY	5	39 39	78 56	2140	68	68			1 2 3		
GLENN DALE BELL STA	3678	04	PRIN. GEORGES	4	38 58	76 48	150	49	49			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	660	28	28			1 2 3		
HANCOCK FRUIT LAB	4030	07	WASHINGTON	5	39 42	78 11	428	26	26			1 2 3 C		
LA PLATA 1 W	5080	03	CHARLES	3	38 32	77 00	140	55	55			1 2 3		
LAUREL 3 W	5111	04	PRIN. GEORGES	4	39 05	76 54	400	79	79			1 2 3		
LEONARDTOWN 3 NW	5201	03	ST. MARYS	3	38 19	76 40	40	10	10			1 2 3 C		
LOCH RAVEN DAM	5340	06	BALTIMORE	1	39 20	76 33	190	20	20			1 2 3		
MERRILL	5894	06	GARRETT	7	39 36	79 05	1790	18	18			1 2 3		
MILLINGTON	5985	05	KENT	1	39 16	75 51	30	72	72			1 2 3		
NEW GERMANY	6408	08	GARRETT	7	39 38	79 07	2590					1 2 3		
OKLAND 1 SE	6620	08	GARRETT	7	39 24	79 24	2420	72	72			1 2 3		
OWENS FERRY LANDING	6770	03	CALVERT	4	38 41	76 40	160	53	53			1 2 3		
DELAWARE														
PARKTON 2 SW	6844	06	BALTIMORE	1	39 38	76 42	500	17	17			1 2 3		
PERRY POINT	6980	06	CECIL	1	39 39	76 04	40					1 2 3		
PICADORY	7010	07	ALLEGANY	5	39 38	76 31	1030	43	43			1 2 3		
POTOMAC CITY 1 S	7140	01	WORCESTER	1	38 03	75 34	20	21	21			1 2 3		
POTOMAC FILTER PLANT	7272	06	MONTGOMERY	5	39 02	77 15	270	6	6			1 2 3		
PRESTON 1 S	7310	02	CARDINE	1	38 46	75 55	50	21	21			1 2 3		
PRINCE FREDERICK 1 N	7325	03	CALVERT	1	38 33	76 35	135	17	17			1 2 3		
PRINCESS ANNE	7330	01	SOMERSET	1	38 13	75 41	20	21	21			1 2 3		
ROCKVILLE	7705	06	MONTGOMERY	5	39 05	77 03	380	22	22			1 2 3		
ROYAL OAK	7809	02	TALBOT	1	38 43	76 11	10	22	22			1 2 3		
SALISBURY	8000	01	WICOMICO	1	38 22	75 35	10	63	63			1 2 3		
SALISBURY FAA AIRPORT	8005	01	WICOMICO	1	38 20	75 30	48	22	22	19		1 2 3		
SAVAGE RIVER DAM	8065	08	GARRETT	5	39 31	79 08	1495	19	19	22	19	1 2 3 C		
SINES DEEP CREEK	8315	08	GARRETT	7	39 32	79 25	2045					1 2 3		
SINES DEEP CREEK 2	8320	08	GARRETT	7	39 12	79 25	2040	7	7			1 2 3		
SNOW HILL 4 N	8380	01	WORCESTER	1	38 14	75 23	28	54	54			1 2 3		
SOLDOMUS	8405	03	CALVERT	1	38 19	76 27	12	78	78			1 2 3		
SUITLAND	8636	04	PRIN. GEORGES	5	38 51	76 56	270	7	7			1 2 3		
TOWSON	8877	06	BALTIMORE	3	39 23	76 34	390	32	32			1 2 3		
UNIONVILLE	9030	06	FREDERICK	5	39 27	77 11	430	30	30			1 2 3		
UPPER MARLBORO 3 NW	9070	04	PRIN. GEORGES	4	38 52	76 47	98	14	14	14		1 2 3		
VIENNA	9140	02	UDRCHSTER	1	38 29	75 50	12	21	21			1 2 3		
WALDORE POLICE BRKS	9195	03	CHARLES	5	38 39	76 53	210	22	22			1 2 3		
WESTERPORT	9405	07	ALLEGANY	5	39 29	79 03	1000	75	75			JAN 1 2 3		
WESTERPORT UPRC	9409	07	ALLEGANY	5	39 29	79 03	950	2	2			1 2 3		
WESTMINSTER 2 SSE	9435	06	CARROLL	1	39 33	76 55	810	60	60			1 2 3		
WHEATON REGIONAL PARK	9502	06	MONTGOMERY	5	39 04	77 02	330	9	9			1 2 3		
WILLIAMSPORT	9570	07	WASHINGTON	5	39 37	77 51	360	31	31			1 2 3		
WOODSTOCK	9750	06	BALTIMORE	3	39 20	76 52	415	105	100			1 2 3		
DISTRICT OF COLUMBIA														
DALECARLIA RESVR D C	2325	04			38 56	77 07	146	24	24			1 2 3		
NATIONAL ARBORETUM D C	6350	04			38 54	76 56	30	23	23			1 2 3		
U. S. SOLDIERS HOME DC	9035	04			38 56	77 01	230	24	24			1 2 3		
DELAWARE														
BRIDGEVILLE 1 NW	1330	02	SUSSEX	1	38 45	75 37	30	79	79			1 2 3		
DOVER	2730	02	KENT	2	39 09	75 31	30	82	81	16		1 2 3		
GEORGETOWN 5 SW	3570	02	SUSSEX	1	38 38	75 28	45	24	24	16		1 2 3 C		
LEWES 1 SW	5330	02	SUSSEX	1	38 46	76 09	20	25	25			1 2 3		
MIDDLETOWN 1 WSW	5852	01	NEW CASTLE	2	39 26	75 45	60	18	18			1 2 3		
MILFORD 2 WSW	5915	02	SUSSEX	2	38 54	75 28	30	74	74			1 2 3		
NEWMARK UNIVERSITY FARM	6410	01	NEW CASTLE	2	39 40	75 44	90	57	57	13		1 2 3 C		
SELBYVILLE	8269	02	SUSSEX	2	38 28	75 13	32	16	16			1 2 3		
WILMINGTON CASTLE WB AP	9995	01	NEW CASTLE	2	39 40	75 36	74	22	22			1 2 3 C		
WILMINGTON PORTER RESVR	9605	01	NEW CASTLE	2	39 46	75 32	274	58	58			1 2 3		

† DRAINAGE CODE: 1-CHESAPEAKE 2-COASTAL 3-PATAPSCO 4-PATUXENT 5-POTOMAC 6-SUSQUEHANNA 7-YOONHIOGHENY

CHANGE IN STATION NAME

NEW NAME	FORMER NAME	DATE
MARYLAND		
CHARLOTTE HALL 2 SE	CHARLOTTE HALL SCHOOL	MAY 21, 1969
PRINCE FREDERICK 1 N	PRINCE FREDERICK	MAY 22, 1969

RELOCATION AND CHANGE OF EQUIPMENT

MARYLAND		
CHARLOTTE HALL 2 SE	EQUIPMENT MOVED 1.5 MILES SE	MAY 21, 1969
CHEWSVILLE BRIDGEPORT	EQUIPMENT MOVED 0.4 MILE E	OCTOBER 1, 1969
EDGEWONT	EQUIPMENT MOVED 30 FEET SE	OCTOBER 14, 1969
ELKTON	EQUIPMENT MOVED .6 MILE N	JANUARY 27, 1969
FROSTBURG	EQUIPMENT MOVED .3 MILE NW	MAY 21, 1969
PRINCE FREDERICK 1N	EQUIPMENT MOVED .9 MILE N	MAY 22, 1969
SUITLAND	EQUIPMENT MOVED 200 YARDS SW	MAY 6, 1969
DELAWARE		
DOVER	EQUIPMENT MOVED 1 MILE SE	MAY 8, 1969

Additional information regarding the climate of Maryland and Delaware may be obtained by writing to the Environmental Science Services Administration State Climatologist, Room 34, Symons Hall, University of Maryland, College Park, Maryland 20740, or to any Weather Bureau Office near you. Additional precipitation data are contained in "HOURLY PRECIPITATION DATA MARYLAND AND DELAWARE".

DIMENSIONAL UNITS. 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 the Evaporation and Wind table. Max and Min values in the Evaporation and Wind table are monthly averages of daily extremes of temperature of water in pan as recorded during 24 hours ending at time of observation. Wind is the total wind movement in miles over the evaporation pan as determined by a continuous anemometer recorder located 6-8 inches above the pan.

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.

DIVISIONS, as used in this publication, became effective with data for October 1956.

STATION NAMES: Figures and letters following the station name, such as 12 SSW, 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.

IN THE DATA TABLES THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING:

- No record.
- + Also on earlier date (dates) or months.
- * Amount included in following measurement.
- // Gage is equipped with a windshield.
- B Adjusted to a full month.
- 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. (The amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- T Trace, an amount too small to measure.
- V Includes total for previous month. V in annual column means total is for a two-year period.

IN THE STATION INDEX THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING:

- # 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.
- C Data for recording rain gage stations 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.

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

Information concerning the history of changes in location, elevations, exposures, etc., of substations through 1955 may be found in the publication "Substation History" for this State. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402, for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittances and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402.

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