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CLIMATOLOGICAL DATA

ANNUAL SUMMARY

MARYLAND & DELAWARE

1977

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noaa NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / ENVIRONMENTAL DATA SERVICE / NATIONAL CLIMATIC CENTER ASHEVILLE, N.C.

Table 1

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

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	26.3		36.3M		47.5		56.6		64.0		69.9		77.0		75.9		71.9		57.3		50.6		38.1M		56.0M	
CRISFIELD SOMERS COVE	26.9M	-11.1	37.3M	- 1.9	50.5	4.1	59.9	2.8	67.8M	1.1	-		M		M		M		M		53.7M	2.3	40.1M	- .5	-	
POCOMOKE CITY	26.9		39.3		51.2		59.0		66.3		71.5		80.3		79.4		73.8		58.0		52.7		40.3		58.2	
PRINCESS ANNE	25.6		38.3		50.8		57.3		64.8		70.4		78.6M		78.0		71.8M		56.0M		51.9		39.1M		56.9M	
SALISBURY	26.4	-11.1	39.2	.2	51.0	5.1	58.3	2.4	66.0	.7	69.8	- 3.4	77.8	.5	76.8	1.1	72.1	2.3	57.0	- 2.6	51.4	1.8	38.8	- .5	57.1	- .2
SALISBURY FAA AP	23.9		35.4		48.8		56.1		64.4		70.9		79.6		79.3		73.2		57.3		52.7		39.5		56.8	
SNOW HILL 4 N	25.6	-11.0	37.7	- .4	49.8	5.2	57.1	2.7	64.7	.9	69.1	- 2.9	77.5	1.2	76.8	2.0	71.5	2.6	56.2	- 2.5	51.6	3.3	38.7	.2	56.4	.1
DIVISION	25.9	-11.0	37.6	- .6	49.9	4.9	57.8	2.8	65.4	1.0	70.3	- 2.4	78.5	1.5	77.7	2.1	72.4	2.8	57.0	- 2.5	52.1	3.0	39.2	.2	57.0	.2
* * * CENTRAL EASTERN SHORE 02																										
CAMBRIDGE WTR TRMT PL	24.4		36.9		50.8		57.7		65.9		70.3		78.0		78.6M		72.0		57.4		51.7M		38.1		56.8M	
DENTON 1 S	24.5	-10.4	36.8	.3	50.8	6.8	57.5	2.6	66.1	1.2	70.2	- 3.0	78.0	.9	77.7	2.3	71.3	2.3	55.9	- 2.5	49.9	2.1	37.5	.6	56.4	.3
EASTON POLICE BARRACKS	24.7	-10.8	38.5	1.4	51.4	6.8	58.9	3.7	66.9	2.1	70.9	- 2.3	78.5	1.4	77.6	2.2	71.9M	2.6	-		-		-		-	
ROYAL OAK	24.7		37.2		51.0		58.3		66.9		70.8		78.4		78.3		73.2		57.6M		50.7		37.7		57.1N	
VIENNA	26.5M		38.6M		51.8		59.4M		67.0		71.6M		79.6M		78.7		72.7M		57.0M		51.6		39.1		57.8M	
DIVISION	25.0	-10.7	37.6	.5	51.2	6.6	58.4	3.2	66.6	1.7	70.8	- 2.3	78.5	1.4	78.2	2.7	72.2	2.8	57.0	- 2.1	51.0	2.5	38.1	.3	57.1	.6
* * * LOWER SOUTHERN 03																										
LA PLATA 1 W	24.0	-11.7	39.0	1.7	52.1	7.1	58.2	2.5	65.7	1.0	69.6	- 2.8	77.3	.9	77.1M	2.3	72.1M	3.4	56.4	- 1.8	50.3M	2.9	36.7	- .1	56.5M	.4
MECHANICSVILLE 1 SE	23.9		37.4M		51.4M		57.4		65.1M		69.6		77.3		76.6M		71.3		55.2M		48.3		38.3M		55.9M	
OWINGS FERRY LANDING	23.6	-12.3	37.5M	.2	51.4	6.6	58.9M	4.0	67.7M	2.8	71.4	- 1.4	77.5	.8	75.7	.8	71.0M	2.2	55.6	- 2.9	-		33.3M	- 4.2	-	
PATUXENT RIVER	24.1		38.2		51.4		57.8		65.7		71.6		78.8		77.5		71.9		56.3		51.0		38.3		56.9	
SOLOMONS	26.4	-10.9	38.2	- .3	51.4	5.9	59.7M	3.7	67.5M	1.4	72.1	- 2.3	80.2	1.5	79.9	2.2	75.2M	3.2	M		51.2	.6	37.2	- 2.6	-	
WALDORF POLICE BRKS	23.7		37.6M		51.7		59.0		67.4		71.2		78.7M		78.1		72.6		-		-		-		-	
DIVISION	24.3	-11.7	38.0	.5	51.6	6.6	58.7	3.0	66.5	1.5	70.9	- 2.0	78.3	1.4	77.5	2.3	72.2	3.0	55.9	- 2.8	50.2	2.0	36.8	- .8	56.7	.2
* * * UPPER SOUTHERN 04																										
ANNAPOLIS POLICE BRKS	24.0	-10.5	37.5M	1.7	50.6	7.4	59.2	5.1	67.8	3.9	71.7	- .8	79.8M	3.1	77.5	2.4	72.5	3.6	56.7	- 1.5	48.3	.9	35.5	- 1.4	56.8M	1.2
BALTIMORE WSO AP	22.9	-10.5	36.5	1.7	50.0	7.2	57.9	4.1	66.7	3.0	71.4	- 1.0	79.0	2.4	77.7	2.8	72.1	3.6	56.0	- 1.4	49.2	3.1	35.6	.3	56.3	1.3
BELTSVILLE	21.8M		34.1M		48.4		55.9M		64.6		69.1M		77.1M		76.3M		69.7		53.8		48.1		33.6M		54.4M	
BELTSVILLE PLANT STA 5	23.1		35.2		49.3		56.1		65.5		69.6		78.1		76.4		70.5		55.2		48.4		34.2		55.1	
COLLEGE PARK	23.6	-11.3	36.5	- .1	49.8	5.4	57.6	2.4	66.9	2.1	70.9	- 2.0	79.1	2.2	78.0	2.8	72.3	3.6	56.1	- 1.8	49.0	2.1	34.7	- 1.8	56.2	.3
DALECARLIA RESVR D C	23.8		36.8		49.6M		58.3M		67.7M		70.1M		78.6M		77.1		71.8M		55.9		49.2		33.9M		56.2M	
GLENN DALE BELL STA	23.4	-10.7	36.3M	.5	50.3	6.8	56.5	2.2	64.9	1.1	68.1	- 3.7	75.6M	- .2	73.7	1.6	70.3	2.5	55.4	- 1.6	48.8	2.6	36.0	.5	55.1M	.1
LAUREL 3 N	20.9M		35.6M		49.1		56.6		65.1M		68.5		77.2M		79.7M		71.7		-		47.9M		34.8M		-	
NATIONAL ARBORETUM D C	23.8		37.1		50.4		57.8		66.6		70.6		78.9M		77.7		72.1M		55.6M		49.3		35.7M		56.3M	
U. S. SOLDIERS HOME DC	24.4		38.6		51.6		60.0		68.8		71.9		79.5		77.6		73.4		57.4		50.1		37.0		57.5	
UPPER MARLBORO 3 NNW	21.8		34.9		48.9		56.4		64.7		69.2		77.0		75.9		70.2		54.0		48.0		33.9		54.6	
DIVISION	23.0	-11.1	36.3	.6	49.8	6.3	57.5	3.1	66.3	2.3	70.1	- 2.1	78.2	1.8	77.2	2.5	71.5	3.2	55.6	- 2.1	48.8	2.2	35.2	- .9	55.8	.5
* * * NORTHERN EASTERN SHORE 05																										
CENTREVILLE	24.1		37.0		50.5M		57.3		65.7		69.5		76.4		76.3		70.8		55.1		48.5		35.6		55.6M	
CHESTERTOWN	22.1	-12.0	35.3	- .3	49.4	6.1	56.7	2.6	66.1	1.9	70.1	- 2.8	77.3	.0	77.2	1.6	71.2	1.8	55.7	- 3.1	48.2	.7	35.1	- 1.4	55.4	- .4
MILLINGTON	21.4	-12.4	33.9	- 1.6	47.9	4.8	55.0	1.1	64.6	1.0	68.1	- 3.9	76.2	.0	75.8	1.3	71.1	2.7	55.1	- 2.8	47.9	1.0	35.8	- .1	54.4	- .8
DIVISION	22.5	-11.7	35.4	- .4	49.3	6.0	56.3	2.0	65.5	1.5	69.2	- 3.5	76.6	- .4	76.4	1.2	71.0	1.8	55.3	- 3.4	48.2	.6	35.5	- 1.0	55.1	- .6
* * * NORTHERN CENTRAL 06																										
ABERDEEN PHILLIPS FLD	23.2		35.5		49.7		57.1		66.5		70.2		77.7		75.9		71.3		56.2		48.7		35.9		55.7	
BALTIMORE WSO CI	26.8	- 9.3	39.4	2.0	52.1	7.0	60.4	4.0	69.4	3.1	73.8	- 1.3	81.7	2.3	80.5	2.9	73.9	2.8	57.9	- 2.8	51.1	1.9	38.8	.3	58.8	1.1
BENSON POLICE BARRACKS	21.5		34.2		48.2		M		65.4		68.9		76.1		74.4M		70.4		56.7		48.5		34.6		-	
BOYDS 2 NW	20.9		35.5		49.8M		57.2		66.5		69.2		76.3		74.7		69.9		54.8		48.1M		33.4		54.7M	
CATOCTIN MOUNTAIN PARK	16.7		31.7		45.8		54.5		64.9		66.2M		73.9		71.3		65.8		51.3		M		30.2		-	
CLARKSVILLE 3 NNE	20.8		34.3		47.7		54.5		64.1		68.6		76.2		74.8		69.6		52.7		46.8		33.3		53.6	
CONOWINGO DAM	19.6	-11.3	32.0M	- .5	44.9	4.2	51.3M	- .7	M		68.5	- 2.3	75.3	.1	74.9	1.5	69.1	2.2	53.0	- 3.1	43.3M	- 1.0	-		-	
DAMASCUS 2 SW	19.8		34.8		48.2		55.9		64.9		68.1		75.8		74.1		68.8		53.1		46.2		32.6		53.5	
EMMITSBURG 2 SE	19.9		33.1		47.2		54.0		64.6		-		74.6		73.1		68.5		52.4		45.9		31.7		-	
FREDRICK POLICE BRKS	22.2		35.6		50.2		58.3		68.2		71.2		79.1		77.1		71.7		55.9		48.2		34.4		56.0	
PARKTON 2 SW	18.7		32.2		46.2		53.3		62.5		66.3		74.0		72.8		66.8		51.7		44.9		30.9		51.7	
ROCKVILLE 3 NE	22.9		36.6M		50.2M		57.8		65.2		68.8		76.0M		73.9M		68.5M		53.6		47.6M		33.8M		54.6M	
TOWSON	24.9M		38.1M		50.1M		58.2M		67.7		70.9		78.8M		76.8		71.5		55.5		48.5		35.7		56.4M	
UNIONVILLE	M		32.2M	- .3	46.8	6.2	52.7	1.3	63.0	1.8	67.1	- 2.7	74.3	.4	72.7	.7	66.8	1.6	50.7	- 3.9	43.9	2.5	32.1	- .5	-	
WESTMINSTER 2 SSE	18.6	-12.8	33.2	.2	-		54.5	2.0	65.0	3.0	67.8	- 2.6	75.4	.9	73.6	.9	68.3	2.1	52.8	- 2.9	45.6	1.1	31.6	- 1.8	-	
WHEATON REGIONAL PARK	22.2		34.5M		48.7		56.3		64.8		-		75.2		72.8M		69.0M		54.2		47.7		34.6		-	
WOODSTOCK	21.0	-11.3	34.8	.8	48.4	6.5	55.9	2.9	65.6	2.8	69.2	- 1.5	76.5	1.7	75.1	2.0	69.7	3.4	53.5	- 2.1	47.3	2.8	33.7	- .4	54.2	.6
DIVISION	21.2	-11.3	34.6	.6	48.4	6.3	55.7	2.5	65.8	2.6	69.0	- 2.1	76.3	1.1	74.6	1.1	69.4	2.3	53.9	- 2.5	47.1	1.9	33.6	- .8	54.1	.1
* * * APPALACHIAN MOUNTAIN 07																										
BOONSBORO 1 NE	19.9		33.1M		49.3		58.3M		-		-		-		-		-		-		-		-		-	
CUMBERLAND 2	20.3		34.7		49.3		57.1M		67.9		69.6		78.2		76.4		69.9		53.4		46.3		32.3		54.6M	
CUMBERLAND POLICE BRKS	19.3		33.5M		47.5		54.9		65.5		67.8		75.8		74.0		68.2		-		-		-		-	
FROSTBURG 2	12.1		26.3		40.6		50.0		60.9		-		70.6		68.2		62.5		47.7		40.4		26.2		-	
HAGERSTOWN	18.3M		33.7		47.2		55.4M		66.5		67.1		75.0		73.0		69.4		54.1		46.4		32.0		53.2M	
HANCOCK FRUIT LAB	18.5		32.1		45.5		53.8		63.5		66.8		74.6		72.1		66.5		51.0		46.0		30.6		51.8	
WESTERNPORT UPRC	19.1	-13.4	32.8M	- 1.5	48.0M	6.0	-		-		-		-		-		-		-		-		-		-	
DIVISION	18.2	-13.1	32.3	- .7	46.8	5.7	54.9	2.3	64.9	2.8	67.8	- 2.3	74.8	1.0	72.7	.5	67.3	1.8	51.6	- 3.6	44.8	1.1	30.3	- 2.8	52.2	- .6
* * * ALLEGHENY PLATEAU 08																										
MCHENRY 2 NW	10.9		22.1M		39.7		50.1		61.0		61.2		70.0		67.4		62.2		46.4		40.0		25.7		46.4M	
OAKLAND 1 SE	12.7	-14.8	25.9	- 2.9	42.6	6.6	49.9	2.2	59.6	2.9	60.6	- 3.7	68.9	1.5	67.0	.5	62.4	2.2	46.6	- 3.8	40.4	1.0	26.8	- 2.4	47.0	- .8
SAVAGE RIVER DAM	14.6		27.0M		43.0		52.7		62.1		63.6		71.7		68.4		63.8		48.4		42.6		27.3		48.8M	
DIVISION	12.7	-14.1	25.0	- 2.9	41.8	6.4	50.9	3.6	60.9	4.1	61.8	- 2.6	70.2	2.6	67.6	1.2	62.8	2.8	47.1	- 3.1	41.0	2.0	26.6	- 2.1	47.4	- .1

See Reference Notes Following Station Index

Table 1

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

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																										
* * *																										
NORTHERN 01																										
MIDDLETOWN 1 WSW	23.0		35.9		49.2		56.7		66.1		69.7		76.7		75.3		70.4M		55.8		49.0		36.0		55.3M	
NEWARK UNIVERSITY FARM	22.2	-10.0	34.6	.7	48.2	6.5	55.8	3.2	65.4	2.7	69.8	- 1.5	76.9	1.4	75.1	1.6	70.0	2.6	55.0	- 1.7	49.1M	3.7	34.8M	.3	54.7M	.7
WILMINGTON WSO AP	20.8	-11.2	33.3	- .3	47.2	5.6	54.6	2.1	63.9	1.5	68.9	- 2.5	76.4	.6	75.4	1.3	69.3	1.4	53.4	- 3.8	46.6	.9	33.4	- 1.3	53.6	- .5
WILMGTON PORTER RESVR	20.2	-11.6	33.6	.4	47.9	6.8	54.8	3.0	64.3	2.4	68.4	- 2.3	75.3	.3	74.5	1.1	68.5	1.3	53.4	- 3.4	46.5	1.0	33.4	- 1.1	53.4	- .2
DIVISION	21.6	-10.7	34.4	.6	48.1	6.3	55.4	2.9	64.9	2.3	69.2	- 2.2	76.3	.6	75.1	1.2	69.6	1.9	54.4	- 2.7	47.8	2.0	34.4	- .5	54.3	.2
* * *																										
SOUTHERN 02																										
BRIDGEVILLE 1 NW	23.7	-11.3	36.9	.4	50.7	7.1	58.4	4.6	66.0	2.3	70.1	- 2.1	78.3	2.2	77.8	3.6	71.5	3.3	56.6	- 1.3	50.6	3.2	37.9	1.0	56.5	1.0
DOVER	25.0	-10.1	37.9	1.1	51.0	6.9	57.6	3.1	66.8	2.4	71.3	- 1.6	79.0	2.0	78.0	2.8	72.2	2.7	57.6	- 1.4	50.6	2.4	38.3	1.0	57.1	.9
GEORGETOWN 5 SW	22.8		35.6		48.3		56.0		64.1		68.8		76.6		76.8		70.8		55.2		50.2		36.3		55.1	
LEWES 1 SW	23.8		37.0		49.1		56.2		64.1M		68.7		76.2		76.8		71.0		55.8		50.3		37.6		55.6M	
MILFORD 2 WSW	23.9		37.6		51.5		57.8		66.3		70.3		78.8		77.8M		71.8		57.0		50.7		37.9		56.8M	
DIVISION	23.8	-11.6	37.0	.3	50.2	6.4	57.2	3.3	65.5	1.9	69.8	- 2.3	77.8	1.5	77.4	2.8	71.3	2.9	56.4	- 1.9	50.3	2.6	37.6	.3	56.2	.5

See Reference Notes Following Station Index

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

TABLE 2

STATION	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		ANNUAL	
	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE
MARYLAND																										
* * *																										
SOUTHERN EASTERN SHORE 01																										
ASSATEAGUE STATE PARK	E 2.87		2.17		3.14		1.68		.48		2.14		1.33		2.73		4.01		3.88		2.58		7.98		E 34.99	
CRISFIELD SOMERS COVE	-		2.11	-.84	2.80	-1.09	2.33	-.86	1.76	-1.59	-		-		4.34	-.11	-		4.17	-1.08	-		-		-	
POCOMOKE CITY	3.14		2.83		3.18		2.04		2.87		2.80		2.09		3.43		2.28		3.84		4.00		8.82		41.12	
PRINCESS ANNE	2.73		1.85		2.47		2.47		1.83		3.27		2.75		5.34		3.06		4.30		4.83		5.31		40.21	
SALISBURY	2.77	-.56	2.11	-1.14	1.93	-2.19	2.65	-.54	3.34	-.16	2.49	-.96	2.50	-1.39	3.21	-2.30	3.87	-.17	3.88	-.69	4.31	-1.22	7.74	-4.25	40.80	-2.59
SALISBURY FAA AP	2.96		2.31		2.53		2.72		2.83		2.54		2.29		4.89		3.78		4.10		4.84		8.33		44.12	
SNOW HILL 4 N	2.55	-1.05	2.32	-1.30	3.40	-1.29	1.69	-1.66	1.95	-1.48	2.65	-1.20	1.55	-2.82	3.64	-1.37	3.87	-.05	4.12	-.47	4.30	-.74	8.92	-5.23	40.96	-5.68
DIVISION	2.84	-.37	2.21	-.99	2.79	-1.32	2.23	-.90	2.15	-1.05	2.65	-.76	2.09	-2.06	3.96	-1.01	3.48	-.22	4.02	-.76	4.15	-.94	7.85	-4.43	40.40	-2.55
* * *																										
CENTRAL EASTERN SHORE 02																										
CAMBRIDGE WTR TRMT PL	2.17	-.94	1.08	-1.81	2.03	-1.90	2.47	-.86	3.65	-.07	3.44	-.03	2.24	-2.50	3.15	-1.75	6.48	3.18	3.72	-.75	8.56	4.87	6.12	2.62	45.11	-1.76
DENTON 1 S	2.61	-.54	.89	-1.77	1.94	-1.88	2.40	-.84	1.92	-1.73	3.37	-.21	2.70	-2.00	3.72	-.92	3.49	.00	3.68	-.75	4.76	-1.18	5.63	2.18	37.11	-5.78
EASTON POLICE BARRACKS	2.42	-.63	.97	-1.80	1.54	-2.22	2.44	-.99	2.85	-.76	3.44	-.14	2.52	-1.72	2.46	-2.14	3.96	-.60	-		-		-		-	
ROYAL OAK	2.44		.96		1.83		2.45		2.25		3.24		3.34		2.62		3.28		4.47		5.17		5.92		37.97	
VIENNA	E 2.79		2.46		1.34		2.56		1.44		2.74		3.11		3.82		10.83		4.23		5.03		6.91		E 47.26	
DIVISION	2.49	-.64	1.27	-1.55	1.74	-2.09	2.46	-.80	2.42	-1.17	3.25	-.23	2.78	-1.86	3.15	-1.62	5.61	2.20	4.03	-1.14	5.88	2.37	6.15	2.69	41.23	-1.56
* * *																										
LOWER SOUTHERN 03																										
LA PLATA 1 W	1.84	-1.24	.58	-2.14	1.99	-1.57	2.32	-.78	3.96	-.51	3.58	-.03	3.15	-1.33	3.18	-1.35	2.91	-.56	5.63	2.48	6.12	3.02	5.63	2.24	40.89	-.75
MECHANICSVILLE 1 SE	E 2.55		1.41		2.37		3.00		5.23		4.35		5.65		3.14		2.33		E 5.76		4.61		E 6.08		E 46.48	
OWINGS FERRY LANDING	1.24	-1.64	.76	-1.79	2.04	-1.45	1.99	-1.19	1.76	-1.94	4.43	.86	3.81	-.18	1.90	-2.61	1.20	-2.39	-		-		-		-	
PATUXENT RIVER	E 2.09		.77		1.90		1.52		1.94		5.28		2.02		3.12		2.59		4.16		3.88		5.17		E 34.44	
SOLOMONS	E 2.76	-.36	.78	-2.00	2.05	-1.56	1.69	-1.44	2.73	-.67	3.61	.28	3.62	-1.64	3.93	-.38	3.07	-.17	E 5.86	3.07	4.88	1.53	6.07	2.80	E 41.05	-.54
WALDORF POLICE BRKS	-		.75		-		-		1.44		3.86		2.53		2.07		1.84		-		-		-		-	
DIVISION	2.10	-.91	.84	-1.87	2.07	-1.55	2.10	-1.04	2.84	-.62	4.19	.67	3.40	-1.12	2.89	-1.70	2.32	-1.14	5.35	2.28	4.87	1.58	5.74	2.38	38.77	-3.04
* * *																										
UPPER SOUTHERN 04																										
ANNAPOLIS POLICE BRKS	1.56	-1.22	.46	-2.20	2.71	-.86	3.01	-.12	2.64	-.88	2.10	-1.40	4.17	.29	2.66	-1.39	1.13	-1.95	4.57	2.06	6.28	3.25	6.08	2.76	37.37	-1.66
BALTIMORE WSO AP R	1.36	-1.55	.63	-2.18	3.93	.24	3.05	.02	1.49	-2.12	3.44	-.33	2.62	-1.45	3.31	-.90	.62	-2.50	5.17	2.36	5.01	1.88	5.76	2.50	36.39	-4.07
BELTSVILLE	1.40		.47		3.12		2.71		2.21		2.60		5.89		2.06		.61		6.34		4.41		7.64		39.46	
BELTSVILLE PLANT STA 5 E	1.11		.61		3.33		2.53		1.46		3.20		4.01		2.14		.33		5.27		4.13		5.95		E 34.07	
COLLEGE PARK	1.53	-1.20	.57	-1.98	3.22	-.39	2.75	-.34	2.03	-1.85	3.05	-.93	4.56	.52	2.29	-2.72	.41	-2.98	5.35	2.48	3.94	-.71	6.58	3.32	36.28	-5.36
DALECARLIA RESVR D C	1.38		.67		3.22		2.43		2.45		3.64		3.03		5.43		.70		5.99		5.68		5.79		42.41	
GLENN DALE BELL STA	1.55	-1.27	.71	-1.91	2.62	-1.10	2.77	-.42	3.01	-.96	2.82	-1.27	2.91	-1.56	4.33	-.53	2.53	-.79	6.24	3.20	5.42	2.11	6.36	3.11	41.27	-1.42
LAUREL 3 W	E 1.25		.56		4.16		2.89		1.72		3.81		3.94		3.94		.32		E 5.94		4.92		5.84		E 38.12	
NATIONAL ARBORETUM D C	1.30		.63		2.72		2.34		3.52		4.10		3.35		3.49		.45		5.54		4.90		5.69		38.03	
U. S. SOLDIERS HOME DC	1.44		.59		3.01		2.50		2.41		3.98		4.51		4.16		.45		5.68		3.53		6.86		39.12	
UPPER MARLBORO 3 NNW	E 1.83		.66		2.70		2.34		2.83		3.36		1.85		3.88		1.14		6.13		5.66		6.44		E 38.82	
DIVISION	1.43	-1.36	.60	-2.00	3.16	-.44	2.69	-.40	2.43	-1.28	3.27	-.58	3.70	-.37	3.43	-1.29	.79	-2.50	5.66	2.80	4.90	1.74	6.25	3.03	38.31	-2.65
* * *																										
NORTHERN EASTERN SHORE 05																										
CENTREVILLE	2.36		.58		2.16		E 2.94		1.14		2.33		3.39		2.43		1.15		5.04		E 5.45		4.99		E 33.96	
CHESTERTOWN	1.81	-1.33	.76	-2.09	2.87	-.99	2.96	-.19	1.26	-2.63	4.62	.82	2.45	-1.76	5.27	1.10	1.21	-2.10	3.87	1.14	7.07	3.58	6.12	2.50	40.27	-1.95
MILLINGTON	1.73	-1.34	1.41	-1.29	2.48	-1.17	2.65	-.41	1.83	-1.71	3.71	.54	2.02	-1.86	3.88	-.28	1.44	-1.74	4.13	1.54	5.77	2.33	6.00	2.66	37.05	-2.73
DIVISION	1.97	-1.10	.92	-1.83	2.50	-1.23	2.85	-.27	1.41	-2.33	3.55	.00	2.62	-1.47	3.86	-.30	1.27	-2.10	4.35	1.71	6.10	2.67	5.70	2.28	37.10	-3.97
* * *																										
NORTHERN CENTRAL 06																										
ABERDEEN PHILLIPS FLD	1.64		.62		4.37		3.93		1.14		6.32		2.13		E 5.95		.93		E 4.74		4.71		6.35		E 42.83	
BALTIMORE WSO CI R	1.42	-1.58	.66	-2.26	4.13	.33	3.58	.35	1.06	-2.57	3.61	-.23	3.17	-.95	3.13	-.88	2.86	-.39	4.66	1.80	5.18	1.97	6.66	3.22	40.12	-1.19
BENSON POLICE BARRACKS	1.76		.91		5.42		4.72		.93		4.68		2.89		3.68		2.54		4.38		5.92		6.75		44.58	
BOYDS 2 NW	E 1.36		.45		3.79		3.53		1.16		4.03		4.78		5.05		.72		E 4.37		E 5.75		6.73		E 39.72	
BRIGHTON DAM	E 1.69		.60		4.44		E 3.09		1.31		3.03		3.25		2.40		.30		6.31		5.16		5.97		E 37.75	
CATOCTIN MOUNTAIN PARK	1.36		.88		6.19		5.39		.48		3.57		3.66		3.63		2.78		6.36		4.37		4.39		43.06	
CLARKSVILLE 3 NNE	1.17		.72		4.92		3.59		2.19		2.68		3.42		3.56		.59		6.73		5.05		6.57		41.19	
CONOWINGO DAM	1.78	-1.18	.90	-1.78	5.59	1.68	4.89	1.42	1.98	-2.11	5.67	1.72	3.44	-.89	4.27	.07	4.15	-.84	4.07	1.21	E 5.27	1.77	E 6.34	2.74	E 48.35	5.49
DAMASCUS 2 SW	1.36		.61		4.25		3.64		2.52		3.69		3.94		3.35		1.02		5.96		5.36		E 5.25		E 41.25	
EMMITSBURG 2 SE	1.65		.47		6.55		5.55		1.24		E 4.73		2.59		3.78		2.23		4.57		5.61		5.79		E 44.76	
FREDRICK POLICE BRKS	E 1.55		.58		3.24		3.81		.76		3.08		1.81		3.81		1.52		5.23		5.16		5.12		E 35.67	
FREDERICK 3 E	1.18		.30		4.43		4.22		.88		3.27		2.02		5.01		1.41		4.69		4.82		4.12		36.35	
PARKTON 2 SW //	1.22		1.07		5.48		4.80		1.62		4.27		2.02		3.66		.87		5.08		6.53		5.92		42.54	
POTOMAC FILTER PLANT	E 1.35		.52		3.62		2.54		1.18		4.31		4.35		E 3.61		.50		4.21		5.75		4.10		E 36.04	
ROCKVILLE 3 NE	.83		.62		4.37		3.07		.97		2.69		3.95		3.81		.50		5.32		5.04		4.44		35.61	
TOWSON	1.58	-1.40	1.32	-1.58	5.27	1.45	5.21	1.70	1.54	-2.29	5.98	2.39	4.18	.22	3.55	-.59	3.95	.51	5.32	2.16	6.99	3.39	7.99	4.40	52.88	10.36
UNIONVILLE	1.15	-1.42	.45	-1.90	4.16	.88	E 4.01	.73	1.75	-2.11	4.63	.94	2.21	-2.02	5.81	2.00	1.03	-1.87	4.76	2.08	4.56	1.40	5.58	2.38	E 40.10	1.09
WESTMINSTER 2 SSE	1.35	-1.62	.60	-2.19	E 5.40	1.52	4.82	1.39	1.09	-2.60	5.89	2.24	2.64	-1.88	2.81	-1.29	1.02	-2.02	4.62	1.68	4.67	1.31	5.64	2.17	E 40.55	1.29
WHEATON REGIONAL PARK	1.45		.69		3.62		2.22		1.29		E 3.20		5.14		3.07		.29		5.90		4.28		5.36		E 36.51	
WOODSTOCK	1.75	-1.10	.77	-1.93	4.53	.91	4.04	.77	1.64	-2.19	3.50	-.15	3.71	-.30	3.54	1.67	1.08	-2.59	5.87	2.94	4.94	1.63	6.76	3.49	44.13	3.15
DIVISION	1.45	-1.41	.72	-1.96	4.78	1.08	4.16	.82	1.37	-2.51	4.25	.56	3.28	-.89	4.03	-.09	1.65	-1.72	5.17	2.29	5.27	1.92	5.86	2.50	41.99	-.65
* * *																										
APPALACHIAN MOUNTAIN 07																										
BOONSBORO 1 NE	1.29		.34		3.71		-		-		-		-		2.46		1.21		3.15		2.98		2.91		28.67	
CUMBERLAND 2	1.03		.90		5.05		2.91		1.47		2.17		2.43		2.98		1.72		-		-		-		-	
CUMBERLAND POLICE BRKS	E .89		1.02		6.03		3.26		1.44		2.82		1.84		2.98		2.32	-1.12	3.90	.90	5.32	2.11	4.17	1.16	39.29	-.79
EDGEMONT	1.27	-1.45	.85	-1.55	5.33	1.79	4.83	1.42	1.28	-2.67	3.14	-.62	3.38	-.25	3.30	-.51	2.32	-1.12	3.90	.90	5.32	2.11	4.17	1.16	39.29	-.79
FROSTBURG 2	2.91		1.52		4.90		3.37		1.91		E 2.81		2.30		4.24		2.04		4.14		6.37		2.35		E 39.06	
HAGERSTOWN	E 1.21		.41		5.14		3.91		1.02		3.15		4.06		3.30		1.61		3.83		4.20		3.97		E 35.81	
HANCOCK FRUIT LAB	1.13	-1.38	.58	-1.61	4.99	1.50	3.41	.46	.91	-2.59	2.52	-1.00	7.86	4.44	5.08	1.93	1.86	-1.20	4.06	1.32	4.38	1.60	3.44	.89	40.22	4.36
WESTERNPORT UPRC	1.03	-1.62	.46	-2.20	5.08	1.14	-		-		-		-		-		-		-		-		-		-	
DIVISION	1.36	-1.20	.75	-1.61	4.99	1.38	3.37	.15	1.35	-2.30	2.69	-.85	3.70	-.17	3.61	.12	1.69	-1.35	3.80	1.09	4.53	1.80	3.17	.39	35.01	-2.21

See Reference Notes Following Station Index

TABLE 2

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

MARYLAND AND DELAWARE
1977

STATION	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		ANNUAL	
	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE
* * * ALLEGHENY PLATEAU 08																										
MCHENRY 2 NW	3.07		1.86		5.70		3.26		3.49		4.24		5.81		4.50		2.95		3.97		3.37		4.07		46.29	
MERRILL	1.53		1.40		5.65		-		2.31		3.44		3.37		2.61		2.50		-		-		-		-	
OAKLAND 1 SE	1.70	-2.14	1.41	-1.92	4.88	.20	3.84	-.44	3.28	-1.20	5.19	.91	5.89	1.11	3.18	-1.18	2.43	-.66	4.75	1.84	3.89	.62	3.86	.05	44.30	-2.81
SAVAGE RIVER DAM	1.20		.94		5.54		3.41		1.99		3.13		3.60		2.46		3.08		2.94		4.81		3.36		36.46	
DIVISION	1.99	-1.53	1.40	-1.82	5.37	1.04	3.50	-.54	2.92	-1.33	4.19	-.04	5.10	.58	3.38	-.61	2.82	-.32	3.89	.96	4.02	.89	3.76	.22	42.34	-2.50
DELAWARE																										
* * * NORTHERN 01																										
MIDDLETOWN 1 WSW	1.92		1.09		3.22		3.39		1.27		7.01		2.81		9.01		1.76		3.75		5.34		6.12		40.69	
NEWARK UNIVERSITY FARM	1.75	-1.12	1.12	-1.50	5.27	1.65	3.54	.20	1.39	-2.29	4.49	1.09	2.84	-1.82	7.85	3.72	1.38	-1.96	4.68	1.88	4.48	1.11	6.49	3.18	45.28	4.14
WILMINGTON WSO AP R	2.18	-.67	1.09	-1.66	4.55	.81	3.91	.71	.96	-2.39	4.41	1.17	1.38	-2.93	4.82	.84	1.29	-2.13	3.59	.99	6.14	2.65	3.81	2.49	40.13	-.12
WILMGTON PORTER RESVR	1.78	-1.21	1.24	-1.47	6.64	2.83	5.88	2.24	.85	-2.85	6.10	2.58	1.12	-3.54	6.38	1.87	3.85	.51	4.69	1.85	9.29	5.45	6.52	3.09	54.34	11.35
DIVISION	1.91	-1.00	1.14	-1.55	4.92	1.25	4.18	.83	1.12	-2.42	5.50	2.15	2.04	-2.28	7.52	1.36	2.07	-1.23	4.18	1.37	6.31	2.80	6.24	2.89	45.13	4.17
* * * SOUTHERN 02																										
BRIDGEVILLE 1 NW E	2.80	-.31	1.85	-.96	1.61	-2.31	2.26	-1.02	2.19	-1.13	2.66	-1.06	1.87	-3.16	3.19	-1.67	5.13	1.67	3.66	.69	5.33	2.15	7.88	4.47 E	40.43	-2.64
DOVER	2.16	-.92	1.24	-1.49	2.17	-1.63	2.44	-.75	1.01	-2.70	3.85	.51	2.80	-1.19	3.71	-1.08	6.30	2.91	4.79	1.73	6.02	2.42	6.99	3.57	43.68	1.38
GEORGETOWN 5 SW	2.70		1.90		1.87		2.20		2.21		2.28		1.71		3.02		6.01		3.33		4.46		7.99		39.68	
LEWES 1 SW	2.84		1.94		2.18		2.39		1.86		2.76		1.59		3.71		3.21		3.79		4.90		7.33		38.50	
MILFORD 2 WSW	2.77		1.91		2.05		2.26		1.51		2.35		2.01		3.40		4.19		2.91		5.36		7.11		38.03	
DIVISION	2.65	-.66	1.77	-1.19	1.98	-2.04	2.31	-.95	1.76	-1.71	2.78	-.88	2.00	-2.57	3.41	-1.41	5.01	1.45	3.70	.59	5.25	1.76	7.46	3.90	40.08	-3.71

See Reference Notes Following Station Index

TEMPERATURE EXTREMES AND FREEZE DATA

Station	Highest	Date	Lowest	Date	Last spring minimum of 16° or below Date	Temp.	20° or below Date	Temp.	24° or below Date	Temp.	28° or below Date	Temp.	32° or below Date	Temp.	First fall minimum of 32° or below Date	Temp.	28° or below Date	Temp.	24° or below Date	Temp.	20° or below Date	Temp.	16° or below Date	Temp.	Number of days between dates 16° or below	20° or below	24° or below	28° or below	32° or below
MARYLAND																													
* * *																													
SOUTHERN EASTERN SHORE 01																													
ASSATEAGUE STATE PARK	98	8- 7	3	1-17	2-18	11	2-21	20	2-21	20	2-21	20	4- 9	30	11-13	29	11-14	25	11-27	24	12- 8	19	12-10	13	295	290	279	266	218
CRISFIELD SOMERS COVE		-		-	2- 8	12	2-18	17	2-22	23	2-22	23	4- 9	32	-		12- 7	27	12- 9	24	12-11	19	12-27	15	322	296	290	288	-
POCOMOKE CITY	102	7-21	2	1-17	2-18	14	2-22	20	2-22	20	4-10	27	4-10	27	11-14	26	11-14	26	12- 8	21	12-11	15	12-11	15	296	292	289	218	218
PRINCESS ANNE	99	8- 7+	2	1-17	2-18	10	2-22	18	2-22	18	4-10	25	4-10	25	10-18	29	11-13	28	11-14	23	11-26	20	12- 8	12	293	277	265	217	191
SALISBURY	98	7-20	2	1-17	2-18	13	2-22	20	2-22	20	3- 1	27	4-10	29	10-18	32	11-14	26	12- 8	19	12- 8	19	12-10	16	295	289	289	258	191
SALISBURY FAA AP	102	7-21	0	1-17	2-22	16	2-22	16	3- 1	22	4-10	25	4-10	25	11-14	27	11-14	27	12- 8	22	12-10	18	12-11	8	292	291	282	218	218
SNOW HILL 4 N	100	7-21	1	1-17	2-18	12	2-22	20	2-22	20	4-10	26	4-10	26	10-18	30	11-14	24	11-14	24	12- 8	17	12-10	15	295	289	265	218	191
* * *																													
CENTRAL EASTERN SHORE 02																													
CAMBRIDGE WTR TRMT PL	98	7-18	1	1-17	2-18	10	2-22	18	2-22	18	4-10	27	4-10	27	11-13	30	12- 7	24	12- 7	24	12-11	19	12-12	13	297	292	288	241	217
DENTON 1 S	99	7-21+	- 3	1-17	2-18	11	2-22	19	3- 3	24	4-10	25	4-10	25	10-18	30	11-14	27	12- 7	22	12- 8	18	12-10	15	295	289	279	218	191
EASTON POLICE BARRACKS	96	7-22+		-	2-18	15	2-18	15	2-22	22	3- 3	26	4-10	30	-		-		-		-		-		-	-	-	-	-
ROYAL OAK	95	8-31+	0	1-17	2-18	13	2-22	20	2-22	20	3- 3	28	4-10	32	11-14	32	11-27	28	12- 7	22	12-10	17	12-12	12	297	291	288	269	218
VIENNA	100	7-19	2	1-17	2-18	15	-		-		-		4- 9	29	11-14	28	11-14	28	12- 7	24	12- 8	19	12-10	16	295	-	-	-	219
* * *																													
LOWER SOUTHERN 03																													
LA PLATA 1 W	97	8- 6	- 5	1-18+	2-18	10	2-22	19	3- 3	23	4-10	25	4-10	25	11-12	27	11-12	27	11-14	23	12- 8	15	12- 8	15	293	289	256	216	216
MECHANICSVILLE 1 SE	97	7- 6		-	2-18	9	2-18	9	4-10	24	4-10	24	4-10	24	-		11-12	28	11-14	21	11-27	19	12- 8	16	293	282	218	216	-
OWINGS FERRY LANDING	98	8- 7+	- 3	1-17	2-18	11	2-22	20	2-22	20	4- 9	27	4-10	31	11-12	27	11-12	27	11-13	23	12- 9	15	12- 9	15	294	290	264	217	216
PATUXENT RIVER	97	8- 7+	- 3	1-17	2-18	14	2-22	20	2-22	20	2-22	20	4- 9	31	11-26	30	11-27	26	12- 8	22	12-11	20	12-27	16	312	292	289	278	231
SOLOMONS	99	8- 7	1	1-17	2- 8	14	2-18	17	2-22	24	2-22	24	4- 9	32	-		11-27	28	12- 8	20	12- 8	20	NONE			293	289	278	-
WALDORF POLICE BRKS	100	7- 6		-	2-18	9	2-22	20	3- 3	24	4-10	26	4-10	26	-		-		-		-		-		-	-	-	-	-
* * *																													
UPPER SOUTHERN 04																													
ANNAPOLIS POLICE BRKS	97	7-21	- 3	1-17	2-18	14	2-18	14	2-22	22	3-25	26	4- 9	31	10-18	30	11-13	28	11-14	23	12- 7	16	12- 7	16	292	292	265	233	192
BALTIMORE WSO AP	99	7-17	- 2	1-17	2-18	10	2-18	10	3- 3	24	4- 7	27	4-10	32	11-13	30	11-14	26	12- 7	20	12- 7	20	12-10	15	295	292	279	221	217
BELTSVILLE	100	7- 7	- 2	1-17	2-22	13	3- 3	19	4-10	22	4-10	22	4-30	32	10-18	29	11-14	22	11-14	22	12- 7	18	12-10	14	291	279	218	218	171
BELTSVILLE PLANT STA 5	100	7- 7	- 1	1-17	2-18	11	2-22	17	3- 3	22	4-10	27	4-10	27	10-18	29	11-14	24	11-14	24	12- 7	19	12-10	15	293	288	256	218	191
COLLEGE PARK	101	7- 7	- 1	1-17	2-18	10	2-22	18	3- 3	22	4-10	26	4-10	26	10-18	30	11-14	24	11-14	24	12- 7	16	12- 7	16	292	288	256	218	191
DALECARLIA RESVR D C	99	7- 7+	- 2	1-13	2-18	11	3- 2	20	3- 3	23	4-10	26	4-10	26	10-18	31	11-13	28	11-27	22	12- 7	15	12- 7	15	292	280	269	217	191
GLENN DALE BELL STA	98	7- 7+	- 4	1-17+	2-22	15	4- 7	20	4-10	21	4-10	21	4-30	31	10-18	29	11-12	28	11-14	20	12-12	8	293	221	218	216	171
LAUREL 3 W	100	7-19	- 6	1-17	-		-		4- 9	24	4- 9	24	4- 9	24	-		-		-		-		12-26	14	-	-	-	-	-
NATIONAL ARBORETUM D C	101	7- 7	- 1	1-17	2-18	12	2-18	12	4- 7	24	4- 7	24	4- 9	29	10-18	26	10-18	26	11-27	16	11-27	16	11-27	16	282	282	234	194	192
U. S. SOLDIERS HOME DC	101	7- 6	- 4	1-17	2-18	16	2-18	16	2-22	22	3-25	26	4- 9	29	11-13	29	11-14	28	11-27	22	12- 7	18	12- 8	16	293	292	278	234	218
UPPER MARLBORO 3 NNW	98	7- 7	- 2	1-18+	2-19	12	3- 3	19	4-10	24	4-10	24	4-10	24	10-18	30	11-12	28	11-14	22	12- 7	20	12-10	14	294	279	218	216	191
* * *																													
NORTHERN EASTERN SHORE 05																													
CENTREVILLE	97	7-19	- 1	1-17	2-18	12	2-18	12	3- 3	23	4-10	26	4-10	26	10-18	31	11-14	27	12- 7	16	12- 7	16	12- 7	16	292	292	279	218	191
CHESTERTOWN	97	7-21+	- 3	1-17	2-18	14	2-22	19	2-22	19	4- 9	25	4-10	32	11-13	31	11-14	28	12- 7	20	12- 7	20	12-10	15	295	288	288	219	217
MILLINGTON	99	7-17	- 4	1-17	2-22	15	3- 3	20	4-10	24	4-10	24	4-10	24	10-18	31	11-12	26	11-14	24	12- 7	20	12- 8	16	289	279	218	216	191
* * *																													
NORTHERN CENTRAL 06																													
ABERDEEN PHILLIPS FLD	98	7-18+	- 4	1-17	2-18	9	2-22	19	3- 3	22	4- 7	28	4-10	31	10-18	30	11-14	26	12- 7	18	12- 7	18	12- 8	16	293	288	279	221	191
BALTIMORE WSO CI	101	7-19+	- 8	1-17	2- 7	16	2-18	20	2-18	20	2-22	25	4- 9	30	11-13	31	11-14	28	12- 7	23	12-10	19	NONE			295	292	265	218
BENSON POLICE BARRACKS	94	8- 6+	- 5	1-17	2-18	13	3- 3	20	4- 9	24	4-10	28	5- 9	31	10-18	30	11-14	25	11-27	23	12- 7	18	12-10	12	295	279	232	218	162
BOYDS 2 NW	98	7- 6	- 7	1-17	2-18	11	2-22	18	4- 9	22	4- 9	22	10-17	30	11-13	26	-		12- 7	15	12- 7	15	12- 7	15	292	288	-	218	171
CATOCTIN MOUNTAIN PARK	92	7-17	-12	1-17	2-22	16	4- 9	18	4- 9	18	4- 9	18	5-10	29	10-17	32	11-13	24	11-13	24	11-27	16	11-27	16	278	232	218	218	160
CLARKSVILLE 3 NNE	99	7- 7+	- 5	1-17	2-22	11	4-10	20	4-10	20	4-10	20	5-10	31	10-18	27	10-18	27	11-14	20	11-14	20	12- 7	16	288	218	218	191	161
CONDUINGO DAM	99	7-16		-	2-22	12	3- 3	19	4-10	23	4-10	23	4-10	23	10-18	29	11-12	27	11-27	22	-		-		-	-	231	216	191
DAMASCUS 2 SW	96	7- 6	- 7	1-17	2-18	14	2-21	19	4- 9	22	4- 9	22	4-29	30	11-12	31	11-13	27	11-14	24	11-27	20	12- 7	13	292	279	219	218	197
EMMITSBURG 2 SE		-	- 6	1-17	2-18	7	3- 3	19	4-10	24	4-10	24	4-30	30	10-18	30	11-13	27	11-14	20	11-14	20	12- 7	14	292	256	218	217	171
FREDRICK POLICE BRKS	100	7-19+	- 5	1-17	2-18	10	2-22	20	3-25	24	4-10	25	4-10	25	10-18	32	11-14	28	11-27	23	12- 7	12	12- 7	12	292	288	247	218	191
PARKTON 2 SW	94	8- 6+	-10	1-17	2-22	15	4- 9	20	4- 9	20	4-10	26	4-29	30	10-18	30	11-12	27	11-14	21	12- 7	15	12- 7	15	288	242	219	216	172
ROCKVILLE 3 NE	100	7- 7+	- 4	1-17	2-21	15	3-25	20	4-10	23	4-10	23	5- 9	31	10- 5	32	10-18	25	11-15	23	12- 7	12	12- 7	12	289	257	219	191	149
TOWSON	100	7- 6	1	1-17	2-18	14	-		-		4- 9	26	4-10	32	10-18	30	11-14	26	11-26	22	12- 7	17	12-10	12	295	-	-	219	192
UNIONVILLE	96	7-19+		-	2-22	13	4- 9	18	4-10	21	4-10	21	4-30	29	10- 5	32	10-18	26	11-12	22	11-14	19	12- 7	15	288	219	216	191	158
WESTMINSTER 2 SSE	95	7-17	- 8	1-17	2-18	10	-		4- 9	21	4- 9	21	4-29	31	11-12	29	11-13	26	11-14	21	11-27	20	12- 7	13	292	-	219	218	197
WHEATON REGIONAL PARK		-	- 4	1-17	2-22	15	3- 3	19	4-10	24	4-10	24	4-11	31	10-18	29	11-12	25	11-27	22	12- 7	17	12-10	12	291	279	231	216	190
WOODSTOCK	97	7-16+	- 6	1-17	2-18	6	3- 3	19	4-10	24	4-10	24	4-30	32	10-18	30	11-12	28	11-14	22	12- 7	16	12- 7	16	292	279	218	216	171
* * *																													
APPALACHIAN MOUNTAIN 07																													
BOONSBORO 1 NE		-		-	2-18	12	4- 9	20	-		-		-		-		-		-		-		-		-	-	-	-	-
CUMBERLAND 2	101	7-18	- 6	1-16	2-22	16	3- 3	20	4- 8	23	5- 8	25	5- 8	25	10-12	32	11-11	28	11-26	21	12- 6	12	12- 6	12	287	278	232	187	157
CUMBERLAND POLICE BRKS	98	7-21+		-	3-25	16	4- 9	20	4- 9	20	4- 9	20	5-10	32	-		-		-		-		-		-	-	-	-	-
FROSTBURG 2		-	-25	1-18	4-10	16	4-10	16	4-10	16	4-30	28	5-10	31	10- 8	32	11-12	26	11-13	21	11-14	20	11-27	11	231	218	217	196	151
HAGERSTOWN	101	7- 6	-17	1-17	2-21	15	4- 9	18	4-10	22	4-10	22	-		11-12	30	11-13	28	11-27	19	11-27	19	12- 7	13	289	232	231	217	-
HANCOCK FRUIT LAB	99	7- 7	-10	1-13	3- 3	16	4- 9	20	4-10	21	4-10	21	5- 8	32	10-13	31	10-31	28	11-27	21	12- 7	15	12- 7	15	279	242	231	204	158
WESTERNPORT UPRC		-		-	2-22	16	-		-		-		-		-		-		-		-		-		-	-	-	-	-

See Reference Notes Following Station Index

Table 3

TEMPERATURE EXTREMES AND FREEZE DATA

MARYLAND AND DELAWARE
1977

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						
					Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	16° or below	20° or below	24° or below	28° or below	32° or below
MARYLAND																													
* * *																													
ALLEGHENY PLATEAU 08																													
MCHENRY 2 NW	89	7-17	-18	1-17	4- 9	11	4-10	20	4-10	20	5-10	26	5-10	26	10-13	30	10-17	26	11-12	23	11-13	19	11-26	15	231	217	216	160	156
OAKLAND 1 SE	88	7-16	-22	2- 8	4- 9	14	4-10	20	4-10	20	5-12	28	6- 8	31	10- 5	28	10- 5	28	11-12	22	11-13	19	11-14	11	219	217	216	146	119
SAVAGE RIVER DAM	92	7-17	-11	1-17+	2-22	11	4- 9	18	4- 9	18	4-10	25	5- 9	32	10-13	30	11-13	26	11-14	21	11-27	16	11-27	16	278	232	219	217	157
* * *																													
STATE EXTREMES																													
POCOMOKE CITY	102	7-21																											
SALISBURY FAA AP		7-21																											
FROSTBURG 2			-25	1-18																									
DELAWARE																													
* * *																													
NORTHERN 01																													
MIDDLETOWN 1 WSW	97	7-17	- 3	1-17	2-18	14	2-22	20	2-22	20	4- 9	25	4-10	29	11-12	28	11-12	28	11-28	22	12- 8	19	12-10	15	295	289	279	217	216
NEWARK UNIVERSITY FARM	96	7-20+	- 4	1-17	2-22	16	2-22	16	3- 3	23	4-10	26	4-10	26	10-17	32	-		11-14	24	12- 8	18	12-10	8	291	289	256	-	190
WILMINGTON WSO AP	97	7-21+	- 3	1-17	2-18	12	2-22	18	3- 3	23	4- 9	25	4-10	29	11-12	28	11-12	28	11-14	24	12- 7	20	12- 8	16	293	288	256	217	216
WILMGTON PORTER RESVR	95	7-19	- 3	1-17	2-18	15	2-21	20	2-22	22	4- 9	25	4-10	31	11-12	31	11-13	25	11-27	22	12- 7	20	12- 9	16	294	289	278	218	216
* * *																													
SOUTHERN 02																													
BRIDGEVILLE 1 NW	100	7-19	- 2	1-17	2-18	12	2-22	19	2-22	19	4- 9	28	4-10	29	10-18	32	11-14	25	12- 7	22	12- 8	18	12-10	15	295	289	288	219	191
DOVER	102	8- 6	- 2	1-17	2-18	13	2-18	13	2-18	13	4- 9	28	4-10	31	11-12	28	11-12	28	12- 7	22	12- 8	19	12-12	11	297	293	292	217	216
GEORGETOWN 5 SW	101	7-22	- 4	1-18	2-18	10	2-22	18	3-26	23	4-10	25	4-10	25	10-18	31	11-14	24	11-14	24	12- 8	17	12-10	15	295	289	233	218	191
LEWES 1 SW	99	8-12+	- 4	1-18	2-18	13	2-22	19	2-22	19	4-10	28	4-10	28	10-18	32	11-14	25	12- 7	23	12- 8	16	12- 8	16	293	289	288	218	191
MILFORD 2 WSW	102	7-21+	- 4	1-18	2-18	10	2-18	10	2-18	10	4-10	28	4-10	28	10-18	31	11-14	23	11-14	23	12- 8	19	12-10	16	295	293	269	218	191
* * *																													
STATE EXTREMES																													
DOVER	102	8- 6																											
MILFORD 2 WSW		7-21+																											
NEWARK UNIVERSITY FARM			-4	1-17																									
GEORGETOWN 5 SW				1-18																									
LEWES 1 SW				1-18																									
MILFORD 2 WSW				1-18																									

See Reference Notes Following Station Index

Table 4

TOTAL EVAPORATION AND WIND MOVEMENT

MARYLAND AND DELAWARE
1977

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
MARYLAND														
* * *														
UPPER SOUTHERN 04														
BELTSVILLE	EVAP	-	-	-	5.49B	6.29	5.82B	8.58B	6.24B	-	-	-	-	-
	DEP	-	-	-	-	.46	.77	1.10	.01	-	-	-	-	-
	WIND	-	-	-	1295B	1136	853	936	763	814	-	-	-	-
	MAX	-	-	-	76.1	85.5	87.3	95.5	93.3	84.1	-	-	-	-
	MIN	-	-	-	49.1	57.8	62.6	69.7	69.6	63.2	-	-	-	-
UPPER MARLBORO 3 NNW	EVAP	-	-	-	5.43	6.08	5.97	7.68B	6.07	3.79	2.68	-	-	-
	WIND	-	-	-	1274	980	916	948	740	466	1205	-	-	-
	MAX	-	-	-	73.3	83.0	85.4	93.6	91.2	83.2	65.5	-	-	-
	MIN	-	-	-	46.1	55.3	60.3	67.1	67.4	62.1	44.2	-	-	-
* * *														
ALLEGHENY PLATEAU 08														
SAVAGE RIVER DAM	EVAP	-	-	-	4.91B	5.63	5.21B	6.67	4.45	3.56B	2.17	-	-	-
	WIND	-	-	-	-	1627	1476	1403	1001	1067	1458	-	-	-
	MAX	-	-	-	68.2	79.3	79.0	88.4	83.3	74.7	56.3	-	-	-
	MIN	-	-	-	42.5	51.6	54.8	63.4	61.5	57.5	42.6	-	-	-
DELAWARE														
* * *														
NORTHERN 01														
NEWARK UNIVERSITY FARM	EVAP	-	-	-	-	6.05B	6.29	7.24	6.06B	3.64B	-	-	-	-
	WIND	-	-	-	-	1229	1097	831	639	608	-	-	-	-
	MAX	-	-	-	-	85.0	86.2	95.0	90.6	83.0	-	-	-	-
	MIN	-	-	-	-	56.5	62.0	69.2	69.4	64.1	-	-	-	-
* * *														
SOUTHERN 02														
GEORGETOWN 5 SW	EVAP	-	-	-	7.30B	-	7.65	9.98	8.10B	5.32B	3.76B	-	-	-
	WIND	-	-	-	2916B	2616	2231	11328	-	1799	27148	-	-	-

See Reference Notes Following Station Index

STATION INDEX

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													
ABERDEEN PHILLIPS FLD	0015	06	HARFORD		39 28	76 10	57	12	12				1 2 3
ANNAPOLIS POLICE BRKS	0193	04	ANNE ARUNDEL		38 59	76 30	25	19	19				1 2 3
ASSATEAGUE STATE PARK	0335	01	WORCESTER		38 14	75 08	7	10	10				1 2 3
BALTIMORE WSO AP R	0465	04	ANNE ARUNDEL		39 11	76 40	196	43	43				1 2 3 C
#BALTIMORE WSO CI R	0470	06	BALTO CITY		39 17	76 37	91	107	107				1 2 3 C
BELTSVILLE	0700	04	PRN. GEORGES		39 02	76 53	120	40	40	37			1 2 34C
BELTSVILLE PLANT STA 5	0705	04	PRN. GEORGES		39 01	76 57	100	29	29				1 2 3 C
BENSON POLICE BARRACKS	0732	06	HARFORD		39 30	76 23	365	30	30				1 2 3
BLACKWATER REFUGE	0915	02	DORCHESTER		38 26	76 08	5	37	37			DEC	1 2 3
BOONSBORO 1 NE	0990	07	WASHINGTON		39 31	77 39	625	6	6			APR	1 2 3
BOYDS 2 NW	1032	06	MONTGOMERY		39 13	77 20	580	25	25				1 2 3
BRIGHTON DAM	1125	06	MONTGOMERY		39 12	77 01	330		32				2
CAMBRIDGE WTR TRMT PL	1385	02	DORCHESTER		38 34	76 04	5	83	83				1 2 3
CATOCTIN MOUNTAIN PARK	1530	06	FREDERICK		39 39	77 29	1610	11	11				1 2 3 C
CENTREVILLE	1627	05	QUEEN ANNES		39 03	76 03	46	25	25				1 2 3
CHESTERTOWN	1750	05	KENT		39 13	76 04	40	72	72				1 2 3
CLARKSVILLE 3 NNE	1862	06	HOWARD		39 15	76 56	365	11	11				1 2 3
COLLEGE PARK	1995	04	PRN. GEORGES		38 59	76 57	90	91	91				1 2 3 C
CONOWINGO DAM	2060	06	HARFORD		39 39	76 10	40	42	42				1 2 3
CRISFIELD SOMERS COVE	2215	01	SOMERSET		37 59	75 52	8	15	15				1 2 3
CUMBERLAND 2	2282	07	ALLEGANY		39 38	78 45	700	5	5				1 2 3
CUMBERLAND POLICE BRKS	2285	07	ALLEGANY		39 38	78 50	970	30	30				1 2 3
DAMASCUS 2 SW	2335	06	MONTGOMERY		39 16	77 14	720	5	5				1 2 3
DENTON 1 S	2523	02	CAROLINE		38 53	75 50	20	26	26				1 2 3
EASTON POLICE BARRACKS	2700	02	TALBOT		38 45	76 04	40	86	86				1 2 3
EDGEMONT	2770	07	WASHINGTON		39 40	77 33	905		39				2
ELKTON	2860	06	CECIL		39 37	75 50	40	51	51			DEC	1 2 3
EMMITSBURG 2 SE	2906	06	FREDERICK		39 41	77 18	416	22	22				1 2 3
FEDERALSBURG	3090	02	CAROLINE		38 41	75 46	20						C
FREDRICK POLICE BRKS	3348	06	FREDRICK		39 25	77 26	380	5	5				1 2 3
FREDERICK 3 E	3355	06	FREDERICK		39 24	77 22	385		29				2
FROSTBURG 2	3415	07	ALLEGANY		39 40	78 56	2170	6	6				1 2 3
GLENN DALE BELL STA	3675	04	PRN GEORGES		38 58	76 48	150	57	57				1 2 3
HAGERSTOWN	3975	07	WASHINGTON		39 39	77 44	660	36	36				1 2 3
HANCOCK FRUIT LAB	4030	07	WASHINGTON		39 42	78 11	428	44	44				1 2 3 C
LA PLATA 1 W	5080	03	CHARLES		38 32	77 00	140	63	63				1 2 3
LAUREL 3 W	5111	04	PRN. GEORGES		39 06	76 54	400	87	87				1 2 3
LOCH RAVEN DAM	5340	06	BALTIMORE		39 26	76 33	190		28			FEB	2
MCHENRY 2 NW	5832	08	GARRETT		39 35	79 22	2680	7	7				1 2 3 C
MECHANICSVILLE 1 SE	5865	03	ST MARYS		38 26	76 43	160	16	16				1 2 3
MERRILL	5894	08	GARRETT		39 36	79 05	1790		26				2
MILLINGTON	5985	05	KENT		39 16	75 51	30	80	80				1 2 3
NEW GERMANY 2	6410	08	GARRETT		39 37	79 08	2480						C
OAKLAND 1 SE	6620	08	GARRETT		39 24	79 24	2420	80	80				1 2 3
OWINGS FERRY LANDING	6770	03	CALVERT		38 41	76 40	160	61	61				1 2 3
PARKTON 2 SW	6844	06	BALTIMORE		39 38	76 42	600	25	25				1 2 3 C
PATUXENT RIVER	6915	03	ST MARY'S		38 20	76 25	38	2	2				1 2 3 C
PERRY POINT	6980	06	CECIL		39 33	76 04	40						C
POCOMOKE CITY	7140	01	WORCESTER		38 04	75 33	20	29	29				1 2 3
POTOMAC FILTER PLANT	7272	06	MONTGOMERY		39 02	77 15	270		16				2
PRESTON 1 S	7310	02	CAROLINE		38 42	75 55	50	29	29			DEC	1 2 3
PRINCE FREDERICK 1 N	7325	03	CALVERT		38 33	76 35	135	25	25			JAN	1 2 3
PRINCESS ANNE	7330	01	SOMERSET		38 13	75 41	20	29	29				1 2 3
ROCKVILLE 3 NE	7705	06	MONTGOMERY		39 07	77 06	400	30	30				1 2 3
ROYAL OAK	7806	02	TALBOT		38 43	76 11	10	30	30				1 2 3
SALISBURY	8000	01	WICOMICO		38 22	75 35	10	71	71				1 2 3
#SALISBURY FAA AP	8005	01	WICOMICO		38 20	75 31	48	30	30				1 2 3
SAVAGE RIVER DAM	8065	08	GARRETT		39 31	79 08	1495	27	30	27			1 2 34C
SINES DEEP CREEK	8315	08	GARRETT		39 32	79 25	2040						C
SNOW HILL 4 N	8380	01	WORCESTER		38 14	75 23	28	62	62				1 2 3
SOLOMONS	8405	03	CALVERT		38 19	76 27	12	86	86				1 2 3
TOWSON	8877	06	BALTIMORE		39 23	76 34	390	40	65				1 2 3
UNIONVILLE	9030	06	FREDERICK		39 27	77 11	430	38	36				1 2 3 C
UPPER MARLBORO 3 NNW	9070	04	PRN. GEORGES		38 52	76 47	98	22	22	22			1 2 34
VIENNA	9140	02	DORCHESTER		38 29	75 50	12	29	29				1 2 3
WALDORF POLICE BRKS	9195	03	CHARLES		38 39	76 53	210	30	30				1 2 3
WESTERNPORT UPRC	9409	07	ALLEGANY		39 29	79 03	950	10	10			JUN	1 2 3
WESTMINSTER 2 SSE	9435	06	CARROLL		39 33	76 59	860	68	68				1 2 3
WHEATON REGIONAL PARK	9502	06	MONTGOMERY		39 04	77 02	330	17	17				1 2 3
WOODSTOCK	9750	06	BALTIMORE		39 20	76 52	460	108	108				1 2 3
DELAWARE													
DISTRICT OF COLUMBIA													
DALECARLIA RESVR D C	2325	04			38 56	77 07	146	32	32				1 2 3
NATIONAL ARBORETUM D C	6350	04			38 54	76 58	50	31	31				1 2 3
U. S. SOLDIERS HOME DC	9035	04			38 56	77 01	230	32	32				1 2 3
DELAWARE													
BRIDGEVILLE 1 NW	1330	02	SUSSEX		38 45	75 37	50	87	87				1 2 3

STATION INDEX

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	
DOVER	2730	02	KENT	2	39 09	75 31	30	90	89				1 2 3
GEORGETOWN 5 SW	3570	02	SUSSEX	1	38 38	75 27	45	32	32	24			1 2 34C
LEWES 1 SW	5320	02	SUSSEX	2	38 46	75 09	20	33	33				1 2 3
MIDDLETOWN 1 WSW	5852	01	NEW CASTLE	2	39 26	75 45	60	26	26				1 2 3
MILFORD 2 WSW	5915	02	SUSSEX	2	38 54	75 28	30	82	82				1 2 3
NEWARK UNIVERSITY FARM	6410	01	NEW CASTLE	2	39 40	75 44	90	65	65	21			1 2 34
WILMINGTON WSO AP R	9595	01	NEW CASTLE	2	39 40	75 36	79	30	30				1 2 3 C
WILMGTON PORTER RESVR	9605	01	NEW CASTLE	2	39 46	75 32	274	66	66				1 2 3

REFERENCE NOTES

Additional information regarding the climate of this State may be obtained by writing to the National Climatic Center, Asheville, N.C. 28801, or to any National Weather Service Office near you. Additional precipitation data are contained in "HOURLY PRECIPITATION DATA" for this State.

AVERAGES: Division averages in the annual issue include late reports and corrected data and may differ slightly from values published in monthly issues.

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 Service-type pan of 4-foot diameter unless otherwise noted below in 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 1941-1970. "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.

LATE REPORTS 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:

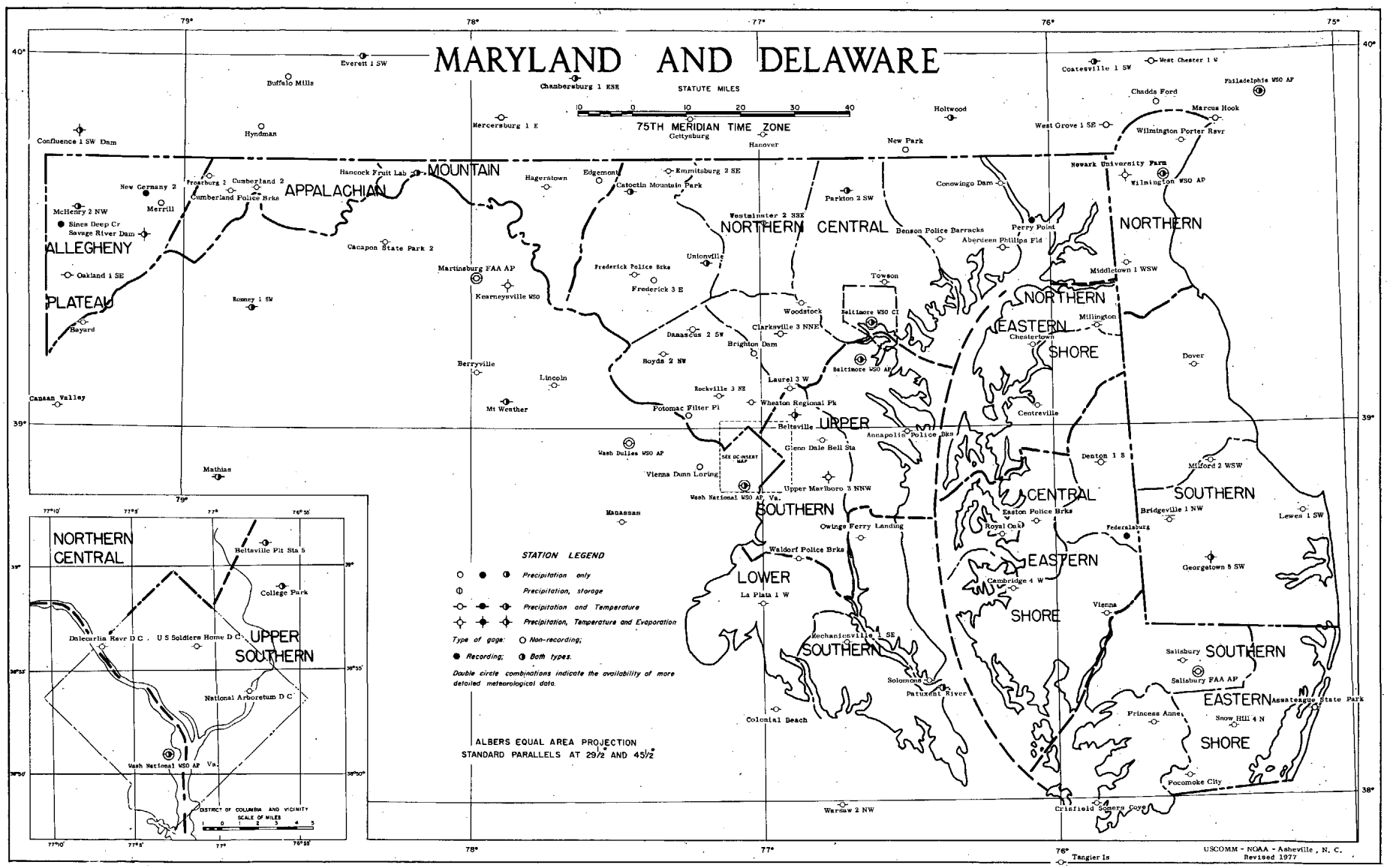
- # Thermometers are generally exposed in a shelter located a few feet above sod covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- ‡ DRAINAGE CODE: 1-CHESAPEAKE 2-COASTAL 3-PATAPSCO 4-PATUXENT 5-POTOMAC 6-SUSQUEHANNA 7-YOUGHIOGHENY
- 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 locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this State, price 25 cents. Similar information for regular National Weather Service Offices may be found in the latest annual issue of Local Climatological Data, price 20 cents. These publications may be obtained from the National Climatic Center at the address shown above.

Subscription Price: $5.10 a year for each section including annual summary; $5.55 additional for foreign mailing; 40¢ single copy; 30¢ annual summary. Make checks payable to Department of Commerce, NOAA; send payments and orders to: National Climatic Center, Federal Building, Asheville, N. C. 28801. Attn: Publications.

USCOMM-NOAA-ASHEVILLE, N.C. 1978-1020


MARYLAND AND DELAWARE
STATUTE MILES
10 0 10 20 30 40
75TH MERIDIAN TIME ZONE
ALLEGHENY PLATEAU
APPALACHIAN MOUNTAIN
NORTHERN CENTRAL
NORTHERN EASTERN SHORE
NORTHERN
UPPER SOUTHERN
CENTRAL SOUTHERN
LOWER SOUTHERN
EASTERN SHORE
SOUTHERN EASTERN SHORE
STATION LEGEND
Precipitation only
Precipitation, storage
Precipitation and Temperature
Precipitation, Temperature and Evaporation
Type of gage: Non-recording; Recording; Both types.
Double circle combinations indicate the availability of more detailed meteorological data.
ALBERS EQUAL AREA PROJECTION
STANDARD PARALLELS AT 29½° AND 45½°
DISTRICT OF COLUMBIA AND VICINITY
SCALE OF MILES
USCOMM - NOAA - Asheville, N. C.
Revised 1977

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