

VOLUME 85

NUMBER 13

CLIMATOLOGICAL DATA

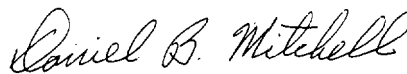
ANNUAL SUMMARY



MARYLAND & DELAWARE

1981

"I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF
THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRA-
TION AND IS COMPILED FROM INFORMATION RECEIVED AT
THE NATIONAL CLIMATIC CENTER, ASHEVILLE, NORTH
CAROLINA 28801."



DIRECTOR
NATIONAL CLIMATIC CENTER

noaa

NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

ENVIRONMENTAL DATA AND
INFORMATION SERVICE

NATIONAL CLIMATIC CENTER
ASHEVILLE, N.C.

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

MARYLAND AND DELAWARE
1981

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	30.0		38.4		42.2		55.7		60.6		74.8		79.1		74.6		70.3		58.1		50.8		38.8		56.0	
CRISFIELD SOMERS COVE	31.0	- 7.0	40.7	1.5	44.6	- 1.8	59.5	2.4	63.6	- 3.1	76.5	1.6	78.6	- .7	75.3	- 2.5	69.0	- 3.2	58.4	- 3.8	50.3	- 1.1	38.0	- 2.6	57.1	- 1.7
PRINCESS ANNE	30.3		42.5		42.5		58.1		62.0		75.7		76.7		72.1		67.0		55.4		46.8		38.1		55.6	
SALISBURY	30.6	- 6.9	41.7	2.7	42.8	- 3.1	58.5	2.6	62.8	- 2.5	74.8	1.6	77.1	- .2	73.2	- 2.5	67.6	- 2.2	56.4	- 3.2	49.2	- .4	38.3	- 1.0	56.1	- 1.2
SALISBURY FAA AP	28.5		40.0		41.6		56.9		61.5		74.1		75.8		71.5		67.6		55.3		47.8		37.7		54.9	
SNOW HILL 4 N	30.3	- 6.3	41.4	3.3	42.9	- 1.7	57.3	2.9	62.3	- 1.5	74.6	2.6	75.8	- .5	72.0	- 2.8	67.0	- 1.9	55.1	- 3.6	48.2	- .1	37.6	- .9	55.4	- .9
DIVISION	30.1	- 6.8	40.8	2.6	42.8	- 2.2	57.7	2.7	62.1	- 2.3	75.1	2.4	77.0	- .0	73.1	- 2.5	68.1	- 1.5	56.5	- 3.0	48.9	- .2	38.1	- .9	55.9	- .9
* * * CENTRAL EASTERN SHORE 02																										
CAMBRIDGE MTR TRMT PL	31.1		43.0		44.2		60.1		64.3		77.1		78.3		74.1		69.2		57.6		49.8		38.3		57.3	
DENTON 2 E	28.7	- 6.2	41.3	4.8	42.8	- 1.2	58.2	3.3	62.7	- 2.2	74.1	.9	76.0	- 1.1	72.9	- 2.5	67.1	- 1.9	54.8	- 3.6	47.0	- .8	36.6	- .3	55.2	- .9
ROYAL OAK 2 SSW	29.4		40.7		43.6		58.8		63.0		75.8		77.5		73.7		68.9		56.7		48.5		37.0		56.1	
VIENNA	30.1		41.4		43.5		59.0		63.8		76.2		77.5		73.9		68.8		56.1		48.3		37.7		56.4	
DIVISION	29.8	- 5.9	41.6	4.5	43.5	- 1.1	59.0	3.8	63.5	- 1.4	75.8	2.7	77.3	- .2	73.7	- 1.8	68.5	- .9	56.3	- 2.8	48.4	- .1	37.4	- .4	56.2	- .3
* * * LOWER SOUTHERN 03																										
LA PLATA 1 W	29.4	- 6.3	40.6	3.3	42.7	- 2.3	59.4	3.7	63.5	- 3.2	74.3	1.9	75.2	- 1.2	72.1	- 2.7	67.1	- 1.6	55.1	- 3.1	48.0	- .6	35.4	- 1.4	55.1	- 1.0
MECHANICSVILLE 1 SE	29.1				44.7		60.1		62.8		74.8		75.5		71.2		65.0		54.1		45.5		32.8			
OWINGS FERRY LANDING	-		40.1		43.8	- 1.0	57.6	1.7	62.5	- 2.4	72.9	.1	78.2		71.4	- 3.5	67.7	- 1.1	55.3	- 3.2					56.5	
PATUXENT RIVER	30.1		39.2		43.9		58.7		63.2		76.1		79.1		75.4		69.3		57.2		49.2		37.5		56.4	
SOLOMONS							57.6	1.6											50.7				37.9	- 1.9		
DIVISION	29.5	- 6.5	40.0	2.5	43.8	- 1.2	58.7	3.0	62.5	- 2.5	74.5	1.6	77.0	- .1	72.5	- 2.7	67.3	- 1.9	55.4	- 3.3	48.4	- .2	35.9	- 1.7	55.5	- 1.0
* * * UPPER SOUTHERN 04																										
ANNAPOLIS POLICE BRKS	31.0	- 3.5	40.2	4.4	44.0	- .8	59.3	5.2	64.1	- .2	76.4	3.9	78.3	- 1.6	75.3	- .2	69.4	- .5	56.4	- 1.8	48.6	- 1.2	36.7	- .2	56.6	- 1.0
BALTIMORE WSO AP	27.9	- 5.5	38.8	4.0	41.9	- .9	57.0	3.2	62.2	- 1.5	74.3	1.9	77.3	- .7	74.4	- .5	67.7	- .8	53.2	- 4.2	46.2	- 1.1	34.5	- .8	54.6	- .4
BELTSVILLE	26.4		36.9		41.2		54.9		60.6		72.9		75.7		72.0		65.5		51.5		45.8		33.3		53.1	
COLLEGE PARK	29.2	- 5.7	39.2	2.6	42.5	- 1.9	58.9	3.7	62.7	- 2.1	75.0	2.1	77.4	- .5	73.9	- 1.3	68.0	- .7	54.3	- 3.6	47.6	- .7	35.8	- .7	55.4	- .5
DALECARLIA RESVR D C	29.5		40.5		42.7		59.6		63.3		75.1		76.7		73.1		67.2		54.7		45.9		35.3		55.3	
GLENN DALE BELL STM	29.3	- 4.8	40.1	4.3	41.9	- 1.6	58.7	4.4	61.4	- 2.4	73.7	1.9	75.1	- .7	72.1	- 2.0	66.1	- 1.7	53.3	- 3.7	46.4	- .2	34.3	- 1.2	54.4	- .6
LAUREL 3 W	27.8		39.7		44.0		59.2		63.2		75.3		77.9		75.6		68.0		55.2		47.8		36.2		55.8	
NATIONAL ARBORETUM D C	29.0		39.1		42.8		57.7		62.1		74.5		77.0		73.3		67.8		54.1		46.9		36.3		55.1	
UPPER MARLBORO 3 NNW	27.2		37.7		41.1		57.5		60.9		73.0				69.4		66.0		52.1		46.0		33.9			
DIVISION	28.6	- 5.5	39.1	3.4	42.5	- 1.0	58.1	3.7	62.3	- 1.7	74.5	2.3	76.9	- .5	73.2	- 1.5	67.3	- 1.0	53.9	- 3.8	46.8	- .2	35.1	- 1.0	54.9	- .4
* * * NORTHERN EASTERN SHORE 05																										
CENTREVILLE							58.3		63.6		75.1		77.1		73.5		68.3		56.0		47.7		36.5			
CHESTERTOWN	27.4	- 6.7	39.5	3.9	41.8	- 1.5	56.5	2.4	62.8	- 1.4	73.6	.7	76.6	- .7	73.4	- 2.2	67.4	- 2.0	53.9	- 4.9	45.9	- 1.6	34.9	- 1.6	54.5	- 1.3
MILLINGTON 2 NNW	26.7	- 7.1	39.9	4.4	41.6	- 1.8	56.6	2.7	61.7	- 1.9	72.6	.6	75.9	- .3	72.1	- 2.4	66.3	- 2.1	53.4	- 4.5	44.6	- 2.3				
DIVISION	27.1	- 7.1	39.7	3.9	41.7	- 1.6	57.1	2.8	62.7	- 1.3	73.8	1.1	76.5	- .5	73.0	- 2.2	67.3	- 1.9	54.4	- 4.3	46.1	- 1.5	35.7	- .8	54.6	- 1.1
* * * NORTHERN CENTRAL 06																										
ABERDEEN PHILLIPS FLD	27.5		39.7		42.5		57.7		63.0		74.1		76.8		73.7		67.7		53.9		46.5		35.4		54.9	
BALTIMORE WSO C1	33.3	- 2.8	40.7	3.3	45.2	- 1.1	60.1	3.7	66.0	- .3	77.6	2.5	80.4	- 1.0	77.3	- .3	69.9	- 1.2	56.4	- 4.3	49.5	- .3	37.5	- 1.0	57.8	- .1
BENSON POLICE BARRACKS	28.3		39.3		42.2		58.0		63.2		73.9		76.4		72.6		65.6		54.7		47.0		34.5		54.6	
BOYDS 2 NW	27.9		39.6		42.1		57.5		62.4		72.9		74.9		72.1		65.0		53.5		46.1		33.2		54.1	
CATOCTIN MOUNTAIN PARK	23.8		35.8		37.6		54.7		60.4		69.3		70.8		68.7		62.3		50.7		43.0		29.5		50.5	
CLARKSVILLE 3 NNE	26.8		37.8		40.4		56.2		60.7		72.6		74.5		71.5		66.0		52.3		44.4		32.5		53.0	
CONOVINGO DAM	24.2	- 6.7	35.1	2.6	38.4	- 2.3	53.5	1.5	59.8	- 2.3	69.9	- .9	73.5	- 1.7	72.0	- 1.4	65.5	- 1.4	52.0	- 4.1	44.1	- .2	33.5	- .3	51.8	- 1.4
DARASCUS 2 SW	26.5		37.9		40.7		56.0		60.5		71.7		73.6		71.0		64.9		52.4		45.0		31.9		52.7	
EMMITTSBURG 2 SE	26.3		37.4		40.7		55.3		60.7		71.3		73.8		70.3		64.3		51.3		43.4		31.8		52.2	
FREDRICK POLICE BRKS	28.8		39.6		42.9		58.6		64.0		74.6		76.7		73.9		67.7		54.4		47.1		34.5		55.2	
PARKTON 2 SW	24.5		35.9		38.4		53.0		58.9		69.3		72.3		69.7		63.2		50.0		43.0		31.5		50.8	
ROCKVILLE 3 NE	27.7		38.6		42.2		59.3		60.9		72.6		73.9		69.6		63.3		53.0		45.1		33.0			
TOWSON	27.7		37.6		41.0		57.2						76.7		74.9		68.3		54.5		47.7		35.7			
UNIONVILLE	25.1	- 5.4	37.8	5.3	39.8	- .8	55.3	3.9	59.9	- 1.3	71.0	1.2	72.9	- 1.0	69.7	- 2.3	64.7	- .5	51.3	- 3.3	43.9	- .5	32.0	- .6	52.0	- .3
WESTMINSTER POLICE BRK	26.7		38.2		40.9		56.9		62.3		72.3		75.5		72.6		65.2		53.1		45.2		32.7		53.5	
WOODSTOCK	27.6	- 4.7	38.4	4.4	41.6	- .3	57.1	4.1	61.7	- 1.1	73.0	2.3	75.4	- .6	72.2	- .9	66.0	- .3	53.2	- 2.4	46.0	- 1.5	33.1	- 1.0	53.8	- .2
DIVISION	27.0	- 5.5	38.1	4.1	41.0	- 1.1	56.7	3.5	61.6	- 1.3	72.4	1.3	74.9	- .3	72.0	- 1.5	65.9	- 1.2	52.9	- 3.5	45.8	- .6	33.3	- 1.1	53.5	- .5
* * * APPALACHIAN MOUNTAIN 07																										
CUMBERLAND 2	27.4		36.8		41.0		57.0		62.0		72.3		75.4		73.3		66.5		52.2		43.9		33.0		53.4	
FROSTBURG 2	19.8		28.7		31.9		49.6		54.9		64.7		67.8		65.2		59.5		46.1		38.9		26.8		46.2	
HAGERSTOWN	26.3		37.6		40.8		56.9		62.6		72.6		74.6		72.0		66.2		52.5		44.5		32.3		47.4	
HANCOCK FRUIT LAB	26.3		35.5		41.0		56.1		60.8		70.2		72.2		69.5		63.0		50.7		43.3		32.2		51.9	
DIVISION	25.0	- 6.3	34.7	1.7	38.7	- 2.4	55.1	2.5	60.1	- 2.0	70.0	- .1	72.5	- 1.3	70.0	- 2.2	64.0	- 1.5	50.3	- 4.9	42.7	- 1.0	31.1	- 2.0	51.2	- 1.6
* * * ALLEGHENY PLATEAU 08																										
NC HENRY 2 NW	17.7		28.4		31.1		50.2		54.7		64.7		67.0		65.0		58.7		44.9		38.0		25.2		45.5	
OAKLAND 1 SE	2																									

Table 1

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

MARYLAND AND DELAWARE
1981

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 MSW	27.1M		39.7M		42.1		56.9		62.9		73.6		75.8		73.2M		67.7		54.3		45.8M		35.1		34.5M	
NEWARK UNIVERSITY FARM	27.1	- 5.1	39.4	5.5	41.4	- 1.3	56.4	3.8	63.0	1.3	73.4	2.1	76.8	1.3	73.5	- .0	66.9	- .5	53.5	- 3.2	45.1	- .3	34.7M	- .2	34.3M	-.3
WILMINGTON WSO AP	25.4	- 6.6	37.9	4.3	40.2	- 1.4	55.0	2.7	62.5	- .1	72.3	1.8	77.1	1.3	73.5	- .6	66.9	- 1.0	53.0	- 4.2	45.3	- 1.1	34.2	- .5	33.6	-.5
WILMINGTON PORTER RESVR	25.5	- 6.5	37.4	4.2	39.6	- 1.5	54.7	2.9	61.9	1.0	72.5	1.8	76.0	1.0	72.6	- .8	65.8	- 1.4	52.9	- 3.9	44.4	- 1.1	33.5	- 1.0	33.1	-.5
DIVISION	26.3	- 6.0	38.6	4.8	40.8	- 1.0	55.8	3.3	62.6	1.0	73.0	1.6	76.4	1.7	73.2	- .7	66.8	- .9	53.4	- 3.7	45.3	- .5	34.4	- .9	33.9	-.2
* * *																										
SOUTHERN 02																										
BRIDGEVILLE 1 NW	29.4	- 5.6	41.6	5.2	42.9	- .7	57.6	3.8	62.2	- 1.5	74.5	2.3	76.9	1.8	71.9	- 2.3	66.3	- 1.9	54.6	- 3.3	47.3	- .1	36.3	- .6	35.1	-.4
DOVER	29.1	- 6.0	40.3	3.5	42.9	- 1.2	58.0	3.5	62.8	- 1.6	74.3	1.4	76.1	1.1	73.9	- 1.3	68.2	- 1.3	55.3	- 3.7	47.4	- .8	35.9	- 1.4	35.5	-.7
GEORGETOWN 5 SW	27.9		39.8		40.8		56.2		60.8		75.2		77.0		71.9		66.6		54.5		46.9		35.6		34.2	
LEWES	30.8		40.9M		42.5				63.4		74.7		77.4M		72.5		68.7M		56.1M		48.0M		37.8			
MILFORD 2 MSW	29.3		41.4		43.0		58.3		62.7M		74.6		77.4M		72.5		67.1		55.0M		47.0		35.8		35.3M	
DIVISION	29.3	- 6.1	40.8	4.1	42.4	- 1.4	57.5	3.6	62.4	- 1.2	74.3	2.2	77.1	1.8	72.5	- 2.1	67.4	- 1.2	55.1	- 3.2	47.3	- .6	36.3	- 1.0	35.2	-.5

See Reference Notes Following Station Index

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

MARYLAND AND DELAWARE
1981

TABLE 2

		JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		ANNUAL	
STATION		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		.46		4.23		2.61		3.26		3.18		3.61		3.92		4.18		1.46		2.97		1.26		5.51		36.75	
CRISFIELD SOMERS COVE		.12	2.75	2.73	.22	2.07	1.90	3.10	.09	3.08	.63	4.00	.77	3.85	.35	4.05	.48	2.70	.68	1.66	1.41	1.16	1.93	4.04	.91	34.56	6.54
PRINCESS ANNE		.29		3.04		1.42		3.27		3.11		2.80		2.20		5.87		2.59		1.83		1.22		4.92		32.56	
SALISBURY		.74	2.59	4.05	.80	1.74	2.38	3.61	.42	3.83	.45	4.17	.72	3.78	.11	5.18	.33	3.93	.23	1.85	1.34	.77	2.32	4.42	.93	37.87	5.52
SALISBURY FAA AP		.49		4.18		1.57		2.92		3.91		3.56		3.55		5.90		1.48		1.84		.67		4.77		34.84	
SNOW HILL 4 N		.35	3.25	3.68	.05	1.53	3.16	2.69	.65	3.86	.43	4.48	.63	5.14	.77	5.49	.48	3.31	.51	1.78	1.87	1.00	2.56	4.09	.40	37.40	9.24
DIVISION		.44	2.77	3.67	.47	1.82	2.29	3.14	.01	3.61	.41	3.77	.36	3.74	.41	5.26	.31	2.58	1.12	1.99	1.27	1.01	2.20	4.63	1.21	35.66	7.29

CENTRAL EASTERN SHORE 02																											
CAMBRIDGE WTR TRMT PL		.45	2.64	4.27	1.38	2.34	1.59	4.31	.98	5.83	2.25	4.10	.69	7.07	2.33	1.89	3.01	3.17	.13	2.63	.34	.67	3.02	5.15	1.65	41.88	1.47
DENTON 2 E		.60	2.55	2.82	.16	1.58	2.24	5.18	1.94	5.65	2.00	3.99	.41	1.74	2.94	2.04	2.60	6.05	2.56	2.44	.49	.33	3.25	3.71	.26	36.15	6.74
ROYAL OAK 2 SSW		.58		2.97		1.35		4.14		4.05		2.65		5.29		2.38		4.42		3.15		.63		3.59		36.00	
VIENNA		.53		4.52		1.73		4.64		4.82		5.17		3.13		1.09		1.93		2.18		.79		4.98		35.48	
DIVISION		.54	2.59	3.65	.83	1.75	2.08	4.57	1.31	5.29	1.70	3.98	.50	4.31	.33	1.85	2.92	3.89	.48	2.60	.29	.61	2.90	4.36	.90	37.40	5.39

LOWER SOUTHERN 03																											
LA PLATA 1 W		.49	2.59	3.53	.61	1.05	2.51	3.13	.03	3.95	.50	4.69	1.08	4.70	.22	2.42	2.11	3.43	.04	3.13	.02	.24	2.86	3.15	.24	33.91	7.73
MECHANICVILLE 1 SE		.42		4.14		1.65		5.10		5.62		5.95		4.85		1.01		2.50		4.90		.69		3.56		40.39	
OWINGS FERRY LANDING		.31	2.57	3.98	1.43	1.68	1.81	3.60	.62	6.10	2.40	2.22	1.35	6.38	2.34	1.89	2.62	1.81	1.78	2.40	.65	-	-	3.79		36.91	
PATUXENT RIVER		.46		4.39		1.38		4.55		4.89		4.15		5.68		1.31		3.27		2.38		.67		3.79		36.91	
SOLOMONS		.31	2.81	4.06	1.28	1.79	1.82	4.47	1.34	5.73	2.33	4.09	.76	4.86	.40	.82	3.49	4.08	.84	2.80	.01	.66	2.69	3.09	.18	36.76	4.83
DIVISION		.40	2.61	4.02	1.31	1.51	2.11	4.21	1.07	5.26	1.80	4.22	.70	5.29	.71	1.49	3.10	3.02	.44	3.12	.05	.57	2.72	3.40	.04	36.51	5.30

UPPER SOUTHERN 04																											
ANNAPOLIS POLICE ARMS		.72	2.04	3.34	.68	1.22	2.35	3.76	.63	4.22	.70	4.47	.97	4.68	.80	1.62	2.43	4.08	1.00	3.32	.81	.46	2.57	3.28	.04	35.17	3.86
BALTIMORE WSO AP		.48	2.42	2.93	.12	1.14	2.55	2.04	1.03	3.63	.02	5.40	1.63	4.59	.52	1.93	2.28	2.89	.23	2.57	.24	.31	2.82	3.30	.04	31.22	9.24
BELTSVILLE		.46		3.50		1.24		2.35		5.28		2.86		3.38		3.20		3.41		3.02		.65		2.51		31.86	
COLUMBIA PARK		.62	2.11	3.56	1.01	1.20	2.41	2.86	.23	5.21	1.33	5.75	1.77	4.46	.42	3.79	1.22	2.36	1.05	3.00	.13	.51	2.72	2.49	.77	35.81	5.83
DALECARLIA RESVR D C		.47		3.61		1.31		2.46		3.89		2.99		5.99		4.11		2.79		3.05		.54		1.98		33.19	
GLENN DALE BELL STN		.57	2.25	3.78	1.16	1.66	2.06	3.38	.19	4.27	.30	4.20	.11	5.09	.59	3.53	.49	2.81	.51	3.41	.37	.53	2.96	2.63	.62	37.50	5.19
LAUREL 3 W		.52		4.70		1.15		2.53		4.89		4.14		3.48		2.76		2.50		2.53		.62		2.78		32.60	
NATIONAL ARBORETUM D C		.49		3.42		1.68		2.81		4.61		2.74		4.66		3.63		2.33		3.52		.51		2.45		32.85	
UPPER HARBOR 3 NW		.53		3.11		1.30		2.90		4.60		3.45		6.45		1.80		3.27		3.84		.35		2.73		34.33	
DIVISION		.54	2.25	3.55	.95	1.32	2.28	2.79	.30	4.51	.80	4.00	.15	4.75	.68	3.13	1.59	2.94	.35	3.16	.28	.48	2.68	2.68	.54	33.83	7.13

NORTHERN EASTERN SHORE 05																											
CENTREVILLE		.56	2.58	2.83	.92	1.59	2.27	3.26	.14	5.38	1.49	5.16	1.36	4.95	.74	1.27	2.90	3.68	.37	3.44	.71	.27	3.22	4.06	.44	36.48	5.74
CHESTERTOWN		.64	2.43	2.91	.21	1.57	2.08	3.71	.85	4.81	1.27	4.60	1.43	3.63	.25	1.31	2.85	4.01	.83	3.33	.74	.42	3.02	3.75	.41	34.69	5.09
DIVISION		.60	2.47	2.87	.12	1.58	2.15	3.89	.77	5.51	1.77	4.53	.98	4.40	.31	1.85	2.31	3.84	.47	3.47	.83	.37	3.06	3.82	.40	36.73	4.34

NORTHERN CENTRAL 06																											
ABERDEEN PHILLIPS FLD		.59		3.35		1.39		5.30		3.52		4.78		4.28		2.81		4.94		3.54		.92		3.39		38.51	
BALTIMORE WSO CI		.41	2.59	3.57	.65	1.21	2.59	2.31	.92	4.04	.41	3.06	.78	5.04	.92	2.46	1.55	3.63	.38	2.61	.25	.42	2.79	3.38	.06	32.14	9.17
BENSON POLICE BARBACKS		.38		5.87		1.98		4.01		3.52		6.25		5.01		1.94		2.99		3.47		.73		3.61		39.76	
BOYDS 2 NW		.21		4.59		1.25		2.72		5.22		4.32		3.81		3.26		2.41		3.84		.19		2.07		33.89	
BRIGHTON DAM		.38		3.51		1.40		2.74		4.93		5.71		4.58		2.86		1.54		3.04		.41		3.36		34.76	
CATOCTIN MOUNTAIN PARK		.45		8.52		1.88		5.04		3.79		7.22		5.39		3.79		2.69		4.34		1.02		2.72		47.05	
CLARKSVILLE 3 NNE		.38		5.12		1.45		2.96		5.42		5.36		3.66		2.20		1.94		2.59		.67		2.66		34.41	
CONQUINGO DAM		.43	2.53	4.23	1.55	1.39	2.52	3.80	.33	3.62	.29	4.68	.73	3.44	.89	3.63	.57	4.51	1.20	3.57	.71	1.10	2.40	4.30	.70	38.88	3.98
DAMASCUS 2 SW		.45		5.08		1.74		3.24		4.05		4.31		3.52		3.05		2.08		3.37		.38		2.97		34.24	
EMMITSBURG 2 SE		.65		5.51		1.35		4.26		3.46		5.14		3.77		4.95		3.24		3.45		.26		2.36		36.40	
FREDRICK POLICE SPRS		.41		5.47		1.40		3.68		3.20		4.94		5.14		1.94		2.26		3.61		.71		2.26		35.22	
FREDRICK 3 C		.41		4.75		1.39		3.76		3.40		6.16		4.69		2.12		3.87		3.44		.77		2.61		37.37	
PARKTON 2 SW		.54		6.49		1.23		4.35		5.81		5.39		4.03		2.63		2.14		3.22		.88		3.63		40.34	
POTOMAC FILTER PLANT		.35		3.26		.90		2.96		4.10		3.52		3.85		4.03		2.30		2.93		.24		2.88		31.32	
ROCKVILLE 3 NE		.30		4.45		1.33		2.59		4.25		3.95		4.64		2.23		.68		2.51		.39		1.61		28.93	
TOWSON		.60	2.38	5.75	2.85	1.09	2.74	2.23	1.28	4.21	.38	6.78	3.19	4.82	.84	2.04	2.10	2.85	.59	2.95	.21	.63	2.97	4.06	.47	38.00	4.52
UNIONVILLE		.39	2.18	4.76	2.41	1.34	1.94	4.33	1.05	3.85	.01	6.43	2.74	4.52	.29	1.04	2.77	1.67	1.23	3.34	.66	.48	2.68	2.18	1.02	34.33	4.68
WESTMINSTER POLICE BRM		.64		5.78		1.33		4.94		4.63		7.48		3.94		1.47		1.94		3.76		.41		2.85		33.26	
WOODSTOCK		.41	2.44	5.34	2.64	1.38	2.24	3.20	.07	6.62	2.79	8.61	4.96														

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

TABLE 2

MARYLAND AND DELAWARE
1961

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
DELAWARE																										
* * *																										
NORTHERN 01																										
MIDDLETOWN 1 WSW	.56		2.94		1.50		4.19		4.40		3.56		2.37		2.07		4.06		1.75		.44		3.43		33.27	
NEWARK UNIVERSITY FARM	.56	2.31	3.01	.39	1.26	2.36	3.81	.47	5.55	1.87	4.56	1.16	2.14	2.52	4.26	.13	4.80	1.48	1.03	.20	.77	2.60	4.05	.74	37.77	3.37
WILMINGTON WSO AP	.52	2.33	3.23	.48	1.26	2.48	3.54	.34	5.05	1.70	4.50	1.26	2.52	1.79	3.38	.60	3.82	.40	2.84	.24	.67	2.82	3.95	.63	35.28	4.97
WILMINGTON PORTER RESVR	.86	2.13	4.05	1.34	1.60	2.21	3.04	.60	6.17	2.47	3.79	.27	3.05	1.61	4.57	.06	3.50	.16	4.14	1.30	1.13	2.71	4.67	1.24	40.57	2.42
DIVISION	.63	2.28	3.31	.62	1.41	2.26	3.65	.30	5.29	1.75	4.10	.75	2.52	1.80	3.57	.89	4.05	.75	3.43	.62	.75	2.76	4.03	.68	36.74	4.22
* * *																										
SOUTHERN 02																										
BRIDGEVILLE 1 NW	.59	2.52	3.86	1.05	2.08	1.84	4.59	1.31	5.26	1.94	4.50	.78	1.74	3.25	4.59	.27	4.03	.57	2.73	.24	.78	2.40	4.08	.67	38.83	4.24
DOVER	.35	2.75	2.72	.01	1.59	2.21	4.66	1.41	4.44	.73	4.01	.67	2.16	1.81	2.52	2.27	6.00	2.41	2.50	.56	.56	3.04	4.12	.70	35.59	8.71
GEORGETOWN 5 SW	.53		4.84		1.81		4.85		5.18		2.62		1.80		4.64		3.40		2.62		.61		3.77		36.67	
LEWES	.32		3.34		2.84		5.45		5.30		2.76		1.77		5.39		5.53		3.42		1.31		6.44		43.87	
MILFORD 2 WSW	.79		3.68		1.96		5.31		5.81		4.09		1.96		4.25		3.75		3.38		1.25		3.73		39.98	
DIVISION	.52	2.79	3.69	.73	2.06	1.96	4.96	1.70	5.20	1.73	3.60	.06	1.89	2.68	4.28	.54	4.54	.98	2.93	.18	.90	2.59	4.43	.87	39.00	4.79

See Reference Notes Following Station Index

Table 3

TEMPERATURE EXTREMES AND FREEZE DATA

MARYLAND AND DELAWARE
1981

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 C1																													
ASSATEAGUE STATE PARK	98	7-8	5	1-14*	2-7	14	2-13	19	2-13	19	4-22	25	4-22	25	10-20	29	11-26	27	12-1	24	12-20	17	12-21	15	317	310	291	218	181
CRISFIELD SOMERS COVE	97	7-9	6	1-13	2-5	16	2-13	18	-	-	-	-	3-26	32	11-13	30	-	-	-	-	-	-	-	-	-	-	-	-	232
PRINCESS ANNE	96	6-16	-1	1-13	2-13	16	2-14	18	4-16	23	4-16	23	5-8	30	10-9	32	10-20	25	11-23	18	11-23	18	12-1	16	291	282	221	187	154
SALISBURY	95	7-9	5	1-13	2-13	12	2-13	12	3-21	24	3-24	28	4-16	31	10-20	28	10-20	28	12-1	23	12-20	19	12-21	13	311	310	255	210	187
SALISBURY FAA AP	97	6-22	0	1-13	2-6	11	3-4	20	3-22	22	3-26	25	4-22	31	10-19	32	10-20	28	11-22	24	11-23	20	12-21	9	318	264	245	208	180
SNOW HILL 4 N	95	7-21*	-1	1-13	2-6	11	2-13	17	3-26	24	3-26	24	5-8	32	10-20	25	10-20	25	11-23	20	11-23	20	12-20	15	317	283	242	208	165
* * *																													
CENTRAL EASTERN SHORE C2																													
CAMBRIDGE WTR TRMT PL	97	7-10	3	1-13	3-17	16	3-17	16	3-17	16	3-23	27	3-26	29	10-20	30	11-24	25	12-1	22	12-21	12	12-21	12	279	279	259	246	208
DENTON 2 E	97	7-9	-3	1-13	2-13	13	3-20	20	3-26	23	3-26	23	5-8	32	10-20	28	10-20	28	11-23	23	12-13	19	12-21	11	311	268	242	208	165
ROYAL OAK 2 SSW	95	7-9	2	1-13	2-13	16	2-14	19	3-18	24	3-26	28	3-26	28	10-20	32	11-24	26	12-1	24	12-21	13	12-21	13	311	310	258	243	209
VIENNA	97	7-9	2	1-13	2-13	16	2-13	16	3-20	24	3-26	28	4-21	32	10-20	29	11-23	25	11-26	23	12-20	14	12-20	14	310	310	251	242	182
* * *																													
LOWER SOUTHERN C3																													
LA PLATA 3 W	94	7-20	-2	1-13	2-13	11	3-20	20	3-24	24	4-7	27	4-21	31	10-20	29	11-13	28	11-23	20	11-23	20	12-19	14	309	248	244	220	182
MECHANICSVILLE 1 SE	95	7-9	-1	1-13	-	-	-	-	3-22	23	4-7	28	4-22	32	10-4	32	-	-	11-23	18	11-23	18	12-13	15	-	-	246	-	165
OWINGS FERRY LANDING	94	6-25	-	-	2-12	13	2-13	18	3-19	21	3-26	28	4-16	31	10-20	30	-	-	-	-	-	-	-	-	-	-	-	-	187
PATUXENT RIVER	95	7-9*	7	1-13	2-12	16	2-13	19	3-17	24	3-22	28	3-26	31	10-20	32	11-23	28	12-19	21	12-20	18	12-21	14	312	310	277	246	187
SOLOMONS	95	7-10*	6	1-13*	-	-	-	-	-	-	-	-	-	-	11-23	28	11-23	28	12-19	23	12-21	16	12-21	16	-	-	-	-	-
* * *																													
UPPER SOUTHERN C4																													
ANNAPOLIS POLICE BRKS	97	7-9	3	1-13	2-13	12	2-13	12	3-4	24	-	-	4-7	32	10-20	32	11-23	25	12-13	23	12-19	20	12-21	15	311	309	284	-	196
BALTIMORE WSO AP	96	7-20*	0	1-13	2-13	14	3-4	19	3-20	23	3-26	27	4-16	31	10-20	28	10-20	28	11-23	24	12-13	20	12-19	16	309	284	248	208	187
BELTSVILLE	95	6-17	-5	1-13	2-14	16	3-26	20	3-26	20	4-16	28	4-26	32	10-14	31	10-20	26	11-23	22	11-26	20	12-13	16	302	245	242	187	171
COLLEGE PARK	96	7-20	0	1-13	2-13	14	2-14	18	3-22	24	3-26	28	4-16	30	10-20	28	10-20	28	11-24	23	12-13	19	12-21	11	311	302	247	208	187
DALECARLIA RESVR D C	96	7-9	1	1-13	2-13	10	3-17	20	3-23	22	3-26	28	4-7	30	10-20	28	10-20	28	11-23	21	12-13	18	12-19	14	309	271	245	208	196
GLENN DALE BELL STN	95	6-17*	-5	1-13	2-14	15	3-22	19	3-28	24	4-16	27	4-26	31	10-13	29	10-14	28	10-20	24	11-13	20	11-23	16	282	236	206	181	170
LAUREL 3 W	96	6-16	5	1-4	2-13	14	-	-	3-18	23	3-20	28	3-25	31	11-13	31	11-23	28	12-18	22	12-19	18	NONE	-	-	275	240	233	
NATIONAL ARBORETUM C C	98	7-20	5	1-13	2-14	13	2-15	20	3-19	24	3-22	25	4-16	31	10-20	29	11-23	28	11-26	24	12-14	20	12-21	14	310	302	252	246	187
UPPER MARLBORO 3 NNW	96	7-10	-7	1-13	2-14	15	3-4	18	3-26	23	4-16	28	4-22	30	10-13	32	10-20	25	11-23	20	11-23	20	12-13	16	302	264	242	187	174
* * *																													
NORTHERN EASTERN SHORE C5																													
CENTREVILLE	95	7-21*	-	-	-	-	-	-	-	-	-	-	4-22	32	10-20	28	10-20	28	11-24	24	12-20	20	12-21	14	-	-	-	-	181
CHESTERTOWN	96	6-16	1	1-12	2-13	15	2-14	20	3-20	23	3-26	27	3-26	27	10-20	30	11-23	24	11-23	24	12-19	20	12-21	13	311	308	248	242	208
MILLINGTON 2 NNW	95	7-9	-4	1-13	3-14	14	3-20	19	3-24	24	3-28	28	5-8	32	10-20	27	10-20	28	11-23	24	11-24	20	12-13	12	274	249	244	206	165
* * *																													
NORTHERN CENTRAL C6																													
ABERDEEN PHILLIPS FLD	95	7-10*	-4	1-13	2-13	14	3-20	20	3-20	20	3-20	20	4-21	32	10-20	28	10-20	28	11-26	23	12-19	20	12-21	13	311	274	251	214	182
BALTIMORE WSO C1	100	7-9	10	1-4	2-12	12	2-13	17	3-18	24	3-20	28	3-21	32	11-23	32	12-18	25	12-19	20	12-19	20	NONE	-	309	276	273	247	
BENSON POLICE BARRACKS	97	7-10	0	1-13	2-14	15	3-18	18	3-20	22	4-16	28	4-21	31	10-20	28	10-20	28	11-24	21	12-14	20	12-19	12	308	271	249	187	182
BOYDS 2 NW	93	7-19*	3	1-13	2-13	10	3-20	19	3-20	19	3-21	28	4-21	29	10-20	27	10-20	27	11-23	24	12-13	19	12-19	14	309	268	248	211	182
CATOCTIN MOUNTAIN PARK	88	6-16	-4	1-12	3-18	12	3-20	18	3-20	18	4-21	27	4-21	27	10-20	31	11-13	26	11-23	24	12-10	18	12-19	10	276	265	248	206	182
CLARKSVILLE 3 NNE	94	7-19*	-8	1-13	3-4	16	3-26	20	4-7	23	4-22	28	5-9	31	10-10	30	10-14	27	10-20	22	11-24	17	12-19	13	284	243	194	175	154
CONOWINGO DAM	92	-	-6	1-13	3-18	15	3-20	19	3-28	24	4-22	28	5-7	32	10-25	32	11-23	24	11-23	24	12-13	19	12-19	15	276	268	240	215	171
CAPACUS 2 SW	94	7-19	2	1-12	2-13	10	3-20	20	3-20	20	4-21	28	4-21	28	10-20	29	11-13	26	11-23	24	12-13	19	12-19	11	309	268	248	206	182
EMMITSBURG 2 SE	93	7-9*	-7	1-13	3-18	15	3-19	18	4-3	24	4-21	28	5-9	31	10-10	31	10-14	26	10-20	22	11-23	20	11-25	15	252	239	200	176	154
FREDRICK POLICE ERKS	95	7-10*	4	1-13	2-13	12	3-18	20	3-20	22	3-26	28	4-16	31	10-10	30	11-23	28	11-25	22	12-19	17	12-20	14	310	276	250	242	187
PARKTON 2 SW	92	7-9	-4	1-13*	3-19	15	3-20	18	3-22	24	4-21	28	4-26	30	10-13	32	10-20	26	11-13	22	11-23	20	12-13	15	269	248	236	182	170
ROCKVILLE 3 NE	94	7-9*	-6	1-13	3-4	12	3-22	20	3-26	23	4-22	28	4-28	32	10-10	32	11-23	28	11-23	28	12-13	19	12-19	11	309	276	273	247	
TOWSON	97	7-20	3	1-12	2-13	12	3-20	20	3-26	23	4-22	28	4-28	32	10-4	32	11-23	27	11-25	21	12-20	14	12-20	14	310	276	-	-	196
UNIONVILLE	93	7-9	-5	1-13	3-19	14	3-28	20	4-21	24	4-22	28	5-9	31	10-11	30	10-18	28	10-20	22	11-13	17	11-30	15	256	230	162	171	146
WESTMINSTER POLICE BRK	98	7-10	0	1-12*	2-13	10	3-20	20	3-20	20	4-21	27	4-21	27	10-20	30	11-13	27	11-23	21	11-25	19	12-19	13	309	250	248	206	182
WOODSTOCK	94	7-9*	-6	1-13	2-14	14	3-19	20	3-26	24	4-16	27	4-22	30	10-14	30	10-20	25	11-24	20	11-24	20	12-13	16	302	250	243	187	175
* * *																													
APPALACHIAN MOUNTAIN C7																													
CUMBERLAND 2	97	7-19*	1	1-12	3-17	16	3-21	20	3-22	21	4-7	27	4-20	30	10-16	31	10-19	26	11-12	23	11-25	20	12-12	16	270	249	235	195	170
FROSTBURG 2	88	7-20	-9	2-13	3-21	14	3-23	20	4-22	24	4-22	24	5-8	31	10-5	31	10-18	28	10-25	24	11-14	20	12-13	14	267	236	186	179	150
HAGERSTOWN	95	7-9	0	1-12	3-18	15	3-19	19	3-22	22	3-26	27	4-21	30	10-14	32	11-13	24	11-13	24	11-26	20	12-13	16	270	252	236	232	176
HANCOCK FRUIT LAB	93	6-16	-5	1-13	3-19	16	3-26	19	4-16	24	4-16	24	5-8	29	10-4	32	10-20	25	11-13	19	11-13	19	12-20	13	276	232	211	187	149
* * *																													
ALLEGHENY PLATEAU C8																													
MC HENRY 2 NW	84	7-20	-10	2-13*	3-21	15	3-22	18	4-21	21	5-8	28	5-8	28	10-13	30	10-20	28	10-24	22	11-22	20	12-10	13	264				

Table 3—Continued

TEMPERATURE EXTREMES AND FREEZE DATA

MARYLAND AND DELAWARE
1981

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.					
MARYLAND																													
STATE EXTREMES																													
BALTIMORE WSC CI		100	7-9																										
OAKLAND 1 SE				-14	1-9																								
DELAWARE																													
STATE EXTREMES																													
NORTHERN 01																													
MIDDLETOWN 1 WSW	93	7-19*	-3	1-13*	2-13	16	3-18	20	3-20	23	3-26	26	4-21	32	10-15	31	10-20	27	11-24	20	11-24	20	12-20	11	310	251	249	208	177
NEWARK UNIVERSITY FARM	94	7-20*	-3	1-13	2-14	16	3-18	18	3-20	23	3-26	25	4-22	31	10-20	29	11-24	20	11-24	20	11-24	20	12-20	15	309	251	249	243	181
WILMINGTON WSO AP	95	7-9	-3	1-12	3-18	15	3-18	15	3-20	24	3-26	27	4-21	32	10-20	31	11-13	28	11-24	22	12-13	19	12-19	16	276	270	249	232	182
WILMINGTON PORTER RESVR	93	7-9*	-1	1-12	2-13	13	3-18	18	3-19	24	3-20	25	3-24	32	10-20	31	11-23	27	11-26	24	12-18	20	12-20	15	310	275	252	248	210
SOUTHERN 02																													
BRIDGEVILLE 1 NW	97	7-9	2	1-13	2-6	14	3-20	20	3-20	20	3-26	25	4-21	32	10-14	31	10-20	26	11-23	24	12-1	20	12-21	12	318	256	248	208	176
DOVER	96	7-21*	4	1-13	2-12	16	3-4	20	3-18	22	3-26	27	4-21	32	10-20	29	11-23	26	11-24	22	12-19	19	12-20	14	311	290	251	242	182
GEORGETOWN 5 SW	95	7-10*	0	1-13	2-13	16	3-4	20	3-26	23	4-16	28	4-22	30	10-14	32	10-20	26	11-23	21	12-1	17	12-19	14	309	272	242	187	175
LEWES	99	7-21	6	1-13	2-6	13	2-12	18	3-23	24	-	-	-	-	-	-	-	-	11-24	23	12-19	19	12-21	14	318	310	246	-	-
MILFORD 2 WSW	97	7-21*	0	1-13	2-12	16	3-4	19	3-24	24	3-26	25	4-22	31	10-20	27	10-20	27	11-23	23	12-1	20	12-20	16	311	272	244	208	181
STATE EXTREMES																													
LEWES		99	7-21																										
MIDDLETOWN 1 WSW				-3	1-13*																								
NEWARK UNIVERSITY FARM					1-13																								
WILMINGTON WSO AP					1-12																								

See Reference Notes Following Station Index

Table 4

TOTAL EVAPORATION AND WIND MOVEMENT

1981

MARYLAND AND DELAWARE

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
DELAWARE														
* * *														
NORTHERN D1														
NEWARK UNIVERSITY FARM	EVAP	-	-	-	-	5.248	6.17	6.91	5.598	4.078	-	-	-	-
	WIND	-	-	-	-	1034	1032	889	806	811	-	-	-	-
	MAX	-	-	-	71.0	79.3	88.0	91.0	87.4	77.9	-	-	-	-
	MIN	-	-	-	51.9	62.3	72.2	78.3	75.1	67.8	-	-	-	-
* * *														
SOUTHERN D2														
GEORGETOWN 5 SW	EVAP	-	-	-	6.368	6.38	8.18	8.518	5.918	5.368	4.438	-	-	-
	WIND	-	-	-	3700	2346	2058	1945	1440	1652	2556	-	-	-
	MAX	-	-	-	66.0	66.8	81.0	86.1	85.0	76.0	63.1	-	-	-
	MIN	-	-	-	47.1	56.1	64.9	74.0	64.4	64.8	46.2	-	-	-

See Reference Notes Following Station Index

Table 4

TOTAL EVAPORATION AND WIND MOVEMENT

1981

MARYLAND AND DELAWARE

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
MARYLAND														
* * *														
UPPER SOUTHERN 04														
BELTSVILLE	EVAP	-	-	-	4.798	4.598	6.618	6.78	5.81	3.708	3.338	-	-	-
	DEP	-	-	-	-	1.24	.02	.70	.42	.95	.03	-	-	-
	WIND	-	-	-	17508	809	706	8778	698	7188	1101	-	-	-
	MAX	-	-	-	71.0	77.8	87.9	91.7	86.6	76.9	63.8	-	-	-
	MIN	-	-	-	46.0	54.3	65.9	69.5	65.6	59.1	44.7	-	-	-
UPPER MARLBORO 3 NNW														
UPPER MARLBORO 3 NNW	EVAP	-	-	-	5.098	5.05	6.29	6.408	5.34	4.128	3.08	2.56	-	-
	WIND	-	-	-	12568	412	431	427	250	394	539	1034	-	-
	MAX	-	-	-	71.3	77.1	89.5	90.0	87.3	78.9	64.5	52.8	-	-
	MIN	-	-	-	46.3	54.6	66.4	68.7	64.8	59.2	45.3	38.9	-	-
* * *														
ALLEGHENY PLATEAU 08														
SAVAGE RIVER DAM														
SAVAGE RIVER DAM	EVAP	-	-	-	-	5.008	-	4.55	4.63	3.148	1.808	-	-	-
	WIND	-	-	-	-	12158	1178	1080	925	1049	1165	-	-	-
	MAX	-	-	-	-	71.9	80.8	83.4	83.8	72.1	55.3	-	-	-
	MIN	-	-	-	-	48.6	58.6	61.3	57.8	54.5	40.1	-	-	-

See Reference Notes Following Station Index

STATION INDEX

MARYLAND AND DELAWARE
1981

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		139 28	76 10	57	56	56				1 2 3 C
ANNAPOLIS POLICE BRKS	0193	04	ANNE ARUNDEL		138 59	76 30	25	23	23				1 2 3
ASSATEAGUE STATE PARK	0335	01	WORCESTER		238 14	75 08	7	14	14				1 2 3
BALTIMORE WSO AP	0465	04	ANNE ARUNDEL		339 11	76 40	196	47	47				1 2 3 C
BALTIMORE WSO CI	0470	06	BALTO CITY		339 17	76 37	91	111	111				1 2 3 C
BELTSVILLE	0700	04	PRN GEORGES		539 02	76 53	120	44	44	41			1 2 3 4 C
BENSON POLICE BARRACKS	0732	06	HARFORD		139 30	76 23	365	34	34				1 2 3
BOYDS 2 NW	1032	06	MONTGOMERY		539 13	77 20	580	29	29				1 2 3
BRIGHTON DAM	1125	06	MONTGOMERY		439 12	77 01	330		36				2
CAMBRIDGE WTR TRMT PL	1385	02	DORCHESTER		138 34	76 04	5	87	87				1 2 3
CATOCTIN MOUNTAIN PARK	1530	06	FREDERICK		539 39	77 29	1610	15	15				1 2 3 C
CENTREVILLE	1627	05	QUEEN ANNES		139 03	76 04	60	29	29				1 2 3
CHESTERTOWN	1750	05	KENT		139 13	76 04	40	76	76				1 2 3
CLAPKSVILLE 3 NNE	1862	06	HOWARD		439 15	76 56	365	15	15				1 2 3
COLLEGE PARK	1995	04	PRN GEORGES		538 59	76 57	90	95	95				1 2 3 C
CONOWINGO DAM	2060	06	HARFORD		639 39	76 10	40	46	46				1 2 3
CRISFIELD SOMERS COVE	2215	01	SOMERSET		137 59	75 52	8	19	19				1 2 3
CUMBERLAND 2	2282	07	ALLEGANY		539 38	78 45	700	9	9				1 2 3
DAMASCUS 2 SW	2335	06	MONTGOMERY		539 16	77 14	720	9	9				1 2 3
DENTON 2 E	2523	02	CAROLINE		138 53	75 48	50	30	30				1 2 3
EDGEMONT	2770	07	WASHINGTON		539 40	77 33	905		43				2
EMMITSBURG 2 SE	2906	06	FREDERICK		539 41	77 18	416	26	26				1 2 3
FEDERALSBURG	3090	02	CAROLINE		138 41	75 46	20						C
FREDRICK POLICE BRKS	3348	06	FREDERICK		539 25	77 26	380	9	9				1 2 3
FREDERICK 3 E	3355	06	FREDERICK		539 24	77 22	385		33				2
FROSTBURG 2	3415	07	ALLEGANY		539 40	78 56	2170	10	10				1 2 3
GLENN DALE BELL STN	3675	04	PRN GEORGES		438 58	76 48	150	61	61				1 2 3
HAGERSTOWN	3975	07	WASHINGTON		539 39	77 44	660	40	40				1 2 3
HANCOCK FRUIT LAB	4030	07	WASHINGTON		539 42	78 11	428	48	48				1 2 3 C
LA PLATA 1 W	5080	03	CHARLES		538 32	77 00	140	67	67				1 2 3
LAUREL 3 W	5111	04	PRN GEORGES		439 06	76 54	400	91	91				1 2 3
MC HENRY 2 NW	5832	08	GARRETT		739 35	79 22	2680	11	11				1 2 3 C
MECHANICSVILLE 1 SE	5865	03	ST MARYS		438 26	76 43	160	20	20				1 2 3
MERRILL	5894	08	GAPRETT		539 36	79 05	1790		30				2
MILLINGTON 2 WNW	5985	05	KENT		139 16	75 52	30	84	84				1 2 3
NEW GERMANY 2	6410	08	GARRETT		539 37	79 08	2480						C
OAKLAND 1 SE	6620	08	GARRETT		739 24	79 24	2420	84	84				1 2 3
OWINGS FERRY LANDING	6770	03	CALVERT		438 41	76 40	160	65	65				1 2 3
PARKTON 2 SW	6844	06	BALTIMORE		139 38	76 42	600	29	29				1 2 3 C
PATUXENT RIVER	6915	03	ST MARY'S		438 20	76 25	38	6	6				1 2 3 C
POTOMAC FILTER PLANT	7272	06	MONTGOMERY		539 02	77 15	270		20				2
PRINCESS ANNE	7330	01	SOMERSET		138 13	75 41	20	33	33				1 2 3
ROCKVILLE 3 NE	7705	06	MONTGOMERY		539 07	77 06	400	34	34				1 2 3
ROYAL OAK 2 SSW	7806	02	TALBOT		138 43	76 11	10	34	34				1 2 3
SALISBURY	8000	01	WICOMICO		138 22	75 35	10	75	75				1 2 3
SALISBURY FAA AP	8005	01	WICOMICO		138 20	75 31	48	34	34				1 2 3
SAVAGE RIVER DAM	8065	08	GARRETT		539 31	79 08	1495	31	34	31			1 2 3 4 C
SINES DEEP CREEK	8315	08	GARRETT		739 32	79 25	2040						C
SNOW HILL 4 N	8380	01	WORCESTER		138 14	75 23	28	66	66				1 2 3
SOLOMONS	8405	03	CALVERT		138 19	76 27	12	90	90				1 2 3
TOWSON	8877	06	BALTIMORE		339 23	76 34	390	44	69				1 2 3
UNIONVILLE	9030	06	FREDERICK		539 27	77 11	430	42	40				1 2 3 C
UPPER MARLBORO 3 NNW	9070	04	PRN GEORGES		438 52	76 47	98	26	26	26			1 2 3 4
VIENNA	9140	02	DORCHESTER		138 29	75 50	12	33	33				1 2 3
WESTMINSTER POLICE BRK	9440	06	CARROLL		139 33	76 58	765	3	3				1 2 3
WOODSTOCK	9750	06	BALTIMORE		339 20	76 52	460	112	112				1 2 3
DELAWARE													
DISTRICT OF COLUMBIA													
DALECARLIA RESVR D C	2325	04			538 56	77 07	146	36	36				1 2 3
NATIONAL ARBORETUM D C	6350	04			538 54	76 59	50	35	35				1 2 3
DELAWARE													
BRIDGEVILLE 1 NW	1330	02	SUSSEX		138 45	75 37	50	91	91				1 2 3
DOVER	2730	02	KENT		239 09	75 31	30	94	93				1 2 3
GEORGETOWN 5 SW	3570	02	SUSSEX		138 38	75 27	45	36	36	28			1 2 3 4 C
LEWES	5320	02	SUSSEX		238 46	75 08	15	37	37				1 2 3
MIDDLETOWN 1 WSW	5852	01	NEW CASTLE		239 26	75 45	60	30	30				1 2 3
MILFORD 2 WSW	5915	02	SUSSEX		238 54	75 28	30	86	86				1 2 3
NEWARK UNIVERSITY FARM	6410	01	NEW CASTLE		239 40	75 44	90	69	69	25			1 2 3 4 C
WILMINGTON WSO AP	9595	01	NEW CASTLE		239 40	75 36	79	34	34				1 2 3 C
WILMGTN PORTER RESVR	9605	01	NEW CASTLE		239 46	75 32	274	70	70				1 2 3

See Reference Notes Following Station Index

MONTHLY AND SEASONAL COOLING DEGREE DAYS

SEASON OF 1981

MARYLAND AND DELAWARE

STATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL	NORMALS JAN-DEC
MARYLAND														
* * *														
SOUTHERN EASTERN SHORE 01														
ASSATEAGUE STATE PARK	0	0	0	10	31	302	413	306	190	7	0	0	1259	
CRISFIELD SOMERS COVE	0	0	0	16	80	355	419	329	129	13	0	0	1341	1541
PRINCESS ANNE	0	0	0	20	49	329	369	228	105	8	0	0	1108	
SALISBURY	0	0	0	17	68	301	383	261	115	11	0	0	1156	1220
SALISBURY FAA AP	0	0	0	16	52	280	340	212	121	11	0	0	1032	
SNOW HILL 4 N	0	0	0	8	60	298	339	229	107	7	0	0	1048	1081
* * *														
CENTRAL EASTERN SHORE 02														
CAMBRIDGE WTR TRMT PL	0	0	0	31	84	372	422	289	147	17	0	0	1362	
DENTON 1 S	0	0	0	19	69	281	346	257	111	5	0	0	1088	1193
ROYAL OAK 2 SSW	0	0	0	15	67	332	395	275	146	10	0	0	1240	
VIENNA	0	0	0	20	92	342	395	283	136	3	0	0	1271	
* * *														
LOWER SOUTHERN 03														
LA PLATA 1 W	0	0	0	30	48	295	326	232	114	6	0	0	1051	1138
MECHANICSVILLE 1 SE	0	0	0	33	69	309	332	208	85	0	0	0	1036	
OWINGS FERRY LANDING	0	0	1	17	58	247	206	136	3	3	0	0		1153
PATUXENT RIVER	0	0	0	27	69	341	417	330	158	19	0	0	1361	
SOLOMONS	0	0	0	20			444				0	0		1455
* * *														
UPPER SOUTHERN 04														
ANNAPOLIS POLICE BRKS	0	0	0	20	82	352	416	327	164	12	0	0	1373	1155
BALTIMORE WSO AP	0	0	0	19	69	287	389	296	141	5	0	0	1206	1108
BELTSVILLE	0	0	2	9	60	247	338	231	91	2	0	0	980	
COLLEGE PARK	0	0	2	37	78	310	393	285	144	7	0	0	1256	1161
DALECARLIA RESVR D C	0	0	1	28	82	311	371	256	130	5	0	0	1184	
GLENN DALE BELL STA	0	0	0	21	62	269	318	236	106	1	0	0	1013	1022
LAUREL 3 W	0	0	3	32	81	316	405	335	143	9	1	0	1325	
NATIONAL ARBORETUM D C	0	0	0	23	71	292	376	267	133	7	0	0	1169	
UPPER MARLBORO 3 NNW	0	0	1	25	60	252		162	104	3	0	0		
* * *														
NORTHERN EASTERN SHORE 05														
CENTREVILLE				19	76	308	381	271	139	3	0	0		
CHESTERTOWN	0	0	0	10	65	264	368	268	124	2	0	0	1101	1188
MILLINGTON	0	0	0	16	60	243	343	227	105	0	0	0	994	1067
* * *														
NORTHERN CENTRAL 06														
ABERDEEN PHILLIPS FLD	0	0	1	12	72	280	373	277	132	3	0	0	1150	
BALTIMORE WSO C1	0	0	4	34	123	384	481	389	181	15	0	0	1611	1491
BENSON POLICE BARRACKS	0	0	0	12	67	278	362	245	91	4	0	0	1059	
BOYDS 2 NW	0	0	2	12	67	248	316	226	112	4	0	0	987	
CATOCTIN MOUNTAIN PARK	0	0	0	4	43	154	190	135	47	0	0	0	573	
CLARKSVILLE 3 NNE	0	0	1	9	55	243	304	214	98	1	0	0	925	
CONOWINGO DAM	0	0	0	0	33	160	271	238	86	0	0	0	788	908
DAMASCUS 2 SW	0	0	1	9	50	216	273	199	85	2	0	0	835	
EMMITSBURG 2 SE	0	0	1	10	42	203	282	181	72	0	0	0	791	
FREDRICK POLICE BRKS	0	0	3	20	90	299	368	282	133	5	0	0	1200	
PARKTON 2 SW	0	0	0	3	31	153	233	161	60	0	0	0	641	
ROCKVILLE 3 NE	0	0	1	19	45	243	281	156		0	0	0		
TOWSON	0	0	0	13			371	318	139	5	0	0		
UNIONVILLE	0	0	0	7	42	196	253	170	86	0	0	0	754	784
WESTMINSTER POLICE BRK	0	0	0	11	73	236	331	245	83	2	0	0	981	
WOODSTOCK	0	0	0	13	55	250	326	232	95	5	0	0	976	885

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY AND SEASONAL COOLING DEGREE DAYS

SEASON OF 1981

MARYLAND AND DELAWARE

STATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL	NORMALS JAN-DEC
MARYLAND														
* * *														
APPALACHIAN MOUNTAIN 07														
CUMBERLAND 2	0	0	2	20	58	235	328	266	117	3	0	0	1029	
FROSTBURG 2	0	0	0	5	6	63	117	65	38	0	0	0	294	
HAGERSTOWN	0	0	0	12	67	243	308	224	108	0	0	0	962	
HANCOCK FRUIT LAB	0	0	1	7	44	175	232	166	76	0	0	0	701	
* * *														
ALLEGHENY PLATEAU 08														
MC HENRY 2 NW	0	0	0	3	14	63	105	54	33	0	0	0	272	
OAKLAND 1 SE	0	0	0	3	5	98	138	70	36	0	0	0	350	
SAVAGE RIVER DAM	0	0	0	3	15	94	146	77	40	0	0	0	375	279

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY AND SEASONAL COOLING DEGREE DAYS

SEASON OF 1981

MARYLAND AND DELAWARE

STATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL	NORMALS JAN-DEC
DELAWARE														
* * *														
NORTHERN 01														
MIDDLETOWN 1 WSW	0	0	0	11	77	261	339	261	133	2	0	0	1084	
NEWARK UNIVERSITY FARM	0	0	0	13	72	257	373	269	117	0	0	0	1101	954
WILMINGTON WSO AP	0	0	0	9	62	228	381	270	120	3	0	0	1073	992
WILMGTON PORTER RESVR	0	0	0	7	56	236	350	244	100	0	0	0	993	914
* * *														
SOUTHERN 02														
BRIDGEVILLE 1 NW	0	0	0	15	66	294	374	222	98	4	0	0	1073	1053
DOVER	0	0	0	15	83	287	415	281	140	3	0	0	1224	1166
GEORGETOWN 5 SW	0	0	0	11	54	256	351	228	111	7	0	0	1018	
LEWES 1 SW	0	0	0		82	300	381	238	139	4	0	0		
MILFORD 2 WSW	0	0	0	23	72	295	391	241	121	6	0	0	1149	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

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.

DAILY SOIL TEMPERATURE TABLES: Included are all soil temperature stations with any data published for the calendar year, whether or not opened or closed during the year. See the reference notes of the monthly issues for information on individual stations as to soil type, ground cover, and degree of slope.

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:

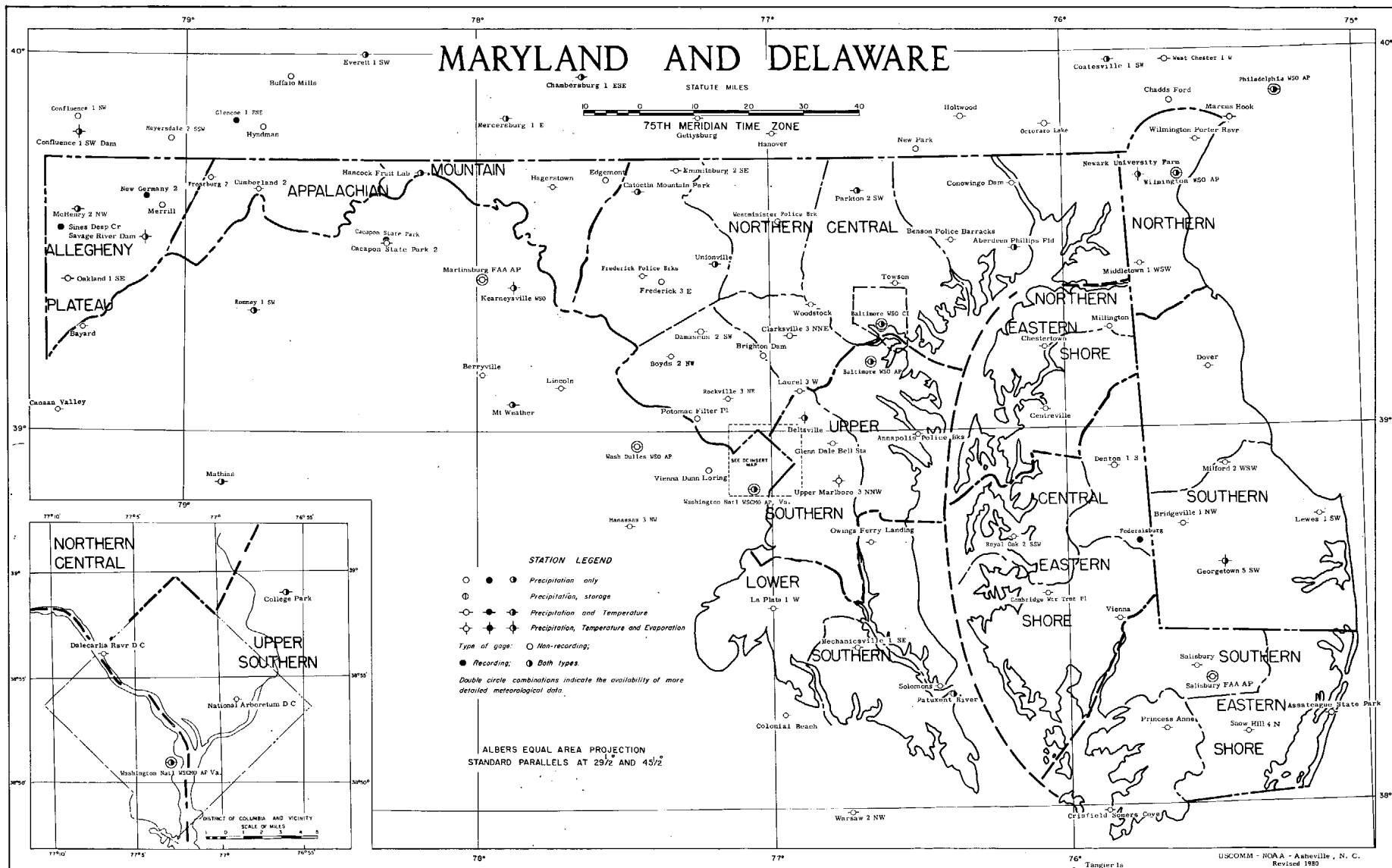
- # Thermometers are generally exposed in a shelter located a few feet above sod covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- C Data for recording rain gage stations processed for special purposes and published in 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 locations, exposure, etc., of substations through 1955 is available in the "Substation History" publication. Subsequent historical information is kept on file at the National Climatic Center. Similar information for regular National Weather Service Offices may be obtained from the "Local Climatological Data" annual publication.

SUBSCRIPTION, PRICE AND ORDERING INFORMATION AVAILABLE THRU: THE NATIONAL CLIMATIC CENTER, FEDERAL BUILDING, ASHEVILLE, N.C. 28801, ATTN: PUBLICATIONS.

USCOM-NOAA-ASHEVILLE, N.C. - 1982-995



DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA AND INFORMATION SERVICE
NATIONAL CLIMATIC CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE

COM 210
THIRD CLASS
BULK RATE

