

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

JUNE 1986

VOLUME 90 NUMBER 6



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28801

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ASHEVILLE NORTH CAROLINA

TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND AND
DELAWARE
JUNE 1986

MARYLAND
HIGHEST TEMPERATURE 100
LOWEST TEMPERATURE 33
GREATEST TOTAL PRECIPITATION 4.59
LEAST TOTAL PRECIPITATION .60
GREATEST 1 DAY PRECIPITATION 3.15

DELAWARE
HIGHEST TEMPERATURE 100
LOWEST TEMPERATURE 39
GREATEST TOTAL PRECIPITATION 4.05
LEAST TOTAL PRECIPITATION 1.78
GREATEST 1 DAY PRECIPITATION 2.38

JUNE 12
JUNE 3

JUNE 7

JUNE 12
JUNE 3

JUNE 11

DENTON 2 E
2 STATIONS
CATOCTIN MOUNTAIN PARK
BOYDS 2 NW
CATOCTIN MOUNTAIN PARK

2 STATIONS
NEWARK UNIVERSITY FARM
WILMINGTON WSO AP R
LEWES
WILMINGTON WSO AP R

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
JUNE 1986

STATION	TEMPERATURE (°F)														PRECIPITATION (IN)							
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST DATE	LOWEST DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY DATE	SNOW SLEET						
									90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW				TOTAL	MAX. DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE	
DAMASCUS 2 SW	84.4	60.4	72.4		91 11	41 3	13	244	6	0	0	0	.90		.48	20	.0	0		2	0	0
EMMITTSBURG 2 SE	85.8	58.4	72.1		91 17+	36 3	17	238	8	0	0	0	2.23		.90	7	.0	0		4	3	0
FREDRICK POLICE BRKS	88.1	62.8	75.9		94 17+	45 3	6	327	14	0	0	0	.85		.30	20	.0	0		3	0	0
PARKTON 2 SW	83.7	54.9	69.3		93 11	33 3	33	167	6	0	0	0	1.22		.74	12	.0	0		3	1	0
ROCKVILLE 1 NE	86.4	63.5	75.0	3.5	94 11	42 3	8	312	10	0	0	0	1.31	-2.68	.68	12	.0	0		3	1	0
TOWSON	M	61.3	M		95 30	42 3			0	0	0	0	1.58	-2.46	.90	12	.0	0		5	1	0
UNIONVILLE	86.9	54.9	70.9	1.6	93 16	33 3	23	205	13	0	0	0	1.21	-2.87	.63	13	.0	0		4	1	0
WESTMINSTER POLICE BRK	86.2	60.2	73.2	3.3	93 12+	40 3	11	263	8	0	0	0	1.22	-2.87	.56	13	.0	0		3	1	0
WOODSTOCK	M	M	M														M	M				
--DIVISIONAL DATA-->			72.9	2.1									1.60	-2.45	.0							
APPALACHIAN MOUNTAIN																						
07																						
CUMBERLAND 2	85.3	56.8	71.1	.7	92 22	42 3+	13	201	6	0	0	0	1.07	-2.71	.30	28	.0	0		6	0	0
FROSTBURG 2	76.4	53.7	65.1		86 7	39 3	74	83	0	0	0	0	2.09		.63	7	.0	0		6	1	0
HAGERSTOWN	86.0	60.3	73.2	2.2	91 23+	41 3	11	262	9	0	0	0	2.73	-1.19	1.92	7	.0	0		4	1	1
HANCOCK FRUIT LAB	85.6	55.2	70.4	1.9	92 29+	34 3	26	195	5	0	0	0	2.72	-1.14	.78	24	.0	0		6	2	0
--DIVISIONAL DATA-->			70.0	.5									2.15	-1.60	.0							
ALLEGHENY PLATEAU																						
08																						
MC HENRY 2 NW	76.2	53.5	64.9		84 16	38 3	71	73	0	0	0	0	3.78		.94	28	.0	0		10	3	0
OAKLAND 1 SE	77.9	52.3	65.1	1.5	83 15	34 3	68	80	0	0	0	0	3.08	-1.28	1.11	28	.0	0		5	3	1
SAVAGE RIVER DAM	79.3	52.6	66.0	.6	87 16	37 3	58	95	0	0	0	0	2.11	-1.39	.58	17	.0	0		7	1	0
--DIVISIONAL DATA-->			65.3	1.3									2.99	-1.15	.0							
DELAWARE																						
NORTHERN																						
01																						
NEWARK UNIVERSITY FARM	86.4	60.0	73.2	1.9	95 11	39 3	12	266	10	0	0	0	2.32	-1.43	2.10	12	.0	0		2	1	1
WILMINGTON WSO AP	82.7	61.4	72.1	.9	92 11	45 3	11	227	5	0	0	0	4.05	.54	2.38	11	.0	0		5	3	1
WILMGTON PORTER RESVR	82.0	62.8	72.4	2.0	90 29+	45 3	9	241	4	0	0	0	3.29	-.71	2.00	11	.0	0		2	2	2
--DIVISIONAL DATA-->			72.6	1.4									3.22	-.47	.0							
SOUTHERN																						
02																						
DOVER	86.9	62.8	74.9	2.3	94 8	47 4+	6	309	10	0	0	0	2.39	-1.22	.97	13	.0	0		6	1	0
GEORGETOWN 5 SW	85.2	61.2	73.2	1.7	96 13	41 4	12	263	8	0	0	0	3.58	-.01	2.02	13	.0	0		6	2	1
GREENWOOD 2 NE	85.6	61.3	73.5		97 12	44 4	11	269	6	0	0	0	2.46		1.22	12	.0	0		4	2	0
LEWES	86.5	64.0	75.3	4.6	100 12	46 4	5	320	13	0	0	0	1.78	-1.92	.91	24	.0	0		2	2	1
MILFORD 4 SE	86.4	62.3	74.4	2.4	100 12	46 4	6	293	9	0	0	0	2.50	-1.22	.68	13	.0	0		5	2	0
--DIVISIONAL DATA-->			74.3	2.5									2.54	-1.11	.0							

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
JUNE 1986

STATION	TOTAL	DAY OF MONTH														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
MARYLAND																
SOUTHERN EASTERN SHORE 01																
ASSATEAGUE ISLAND NATL SE	1.71			.25			.01	.06		.43			.03			
CRISFIELD SOMERS COVE M																
PRINCESS ANNE	1.21		.01					.06								
SALISBURY	2.16		.01													
SALISBURY FAA AP	1.45		.11					T	.18						T	.21
SNOW HILL 4 N	1.49		.45						T	.04				T		.42
CENTRAL EASTERN SHORE 02																
CAMBRIDGE WTR TRMT PL	.87		.13													
DENTON 2 E	2.37		.04						.06			T				.35
ROYAL OAK 2 SSW	1.56		.09										.70			.02
VIENNA	2.30		.08						.09				.32			.04
LOWER SOUTHERN 03																
LA PLATA 1 W	2.56		.07													
MECHANICSVILLE 5 NE	2.12		.21													
OWINGS FERRY LANDING	1.51							T	.15				.50	T		.02
PATUXENT RIVER	1.40		.39						.16				.07	T		.02
UPPER SOUTHERN 04																
ANNAPOLIS POLICE BRKS	2.93		.01													
BALTIMORE WSO AP	1.46	T	.30												1.47	.21
BELTSVILLE	2.18		.01					T					.83			
COLLEGE PARK	1.98		T	.06											1.23	
DALECARLIA RESVR D C	1.59														1.09	
GLENN DALE BELL STN	1.89							.01		.02					.08	.39
LAUREL 3 W	2.42									T					.13	.70
NATIONAL ARBORETUM D C	2.84							.86							.64	
UPPER MARLBORO 3 NNW	1.76									.45						.76
NORTHERN EASTERN SHORE 05																
CHESTERTOWN	2.26		T													
MILLINGTON 1 SE	1.35										.14				1.31	.10
NORTHERN CENTRAL 06																
ABERDEEN PHILLIPS FLD	2.58		T													
BALTIMORE WSO CI	1.39														1.32	.61
BENSON POLICE BARRACKS	1.24														.78	
BOYDS 2 NW	.60		.02												.50	.03
BRIGHTON DAM	.72		T												.07	.01
CATOCTIN MOUNTAIN PARK	4.59														.20	
CLARKSVILLE 3 NNE	1.04		.07					3.15							.01	.09
CONOWINGO DAM	1.99														.05	.19
DAMASCUS 2 SW	.90		.17												1.80	T
EMMITSBURG 2 SE	2.23														.08	.01
FREDRICK POLICE BRKS	.85							.90							T	.64
FREDRICK 3 E	.94							.19								
PARKTON 2 SW	1.22		T												.03	.05
POTOMAC FILTER PLANT	1.07							.02			.08				.03	
ROCKVILLE 1 NE	1.31		.19												.74	
TOWSON	1.58									.09					.50	
UNIONVILLE	1.21														.68	
WESTMINSTER POLICE BRK	1.22								.03						.90	.12
WOODSTOCK M									.09						.03	.63
															.56	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (CONT)

MARYLAND AND
DELAWARE
JUNE 1986

STATION	DAY OF MONTH															
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MARYLAND																
SOUTHERN EASTERN SHORE 01																
ASSATEAGUE ISLAND NATL SE					.02	.36			.34	.01					.20	
CRISFIELD SOMERS COVE																
PRINCESS ANNE					.01				.13				.65	.35		
SALISBURY					.03	.01			.53				1.10	.30		
SALISBURY FAA AP					.02				.52				.23	.32	T	
SNOW HILL 4 N					.02				.19				.09	.32		
CENTRAL EASTERN SHORE 02																
CAMBRIDGE WTR TRMT PL					.03	.02			.13					.15		
DENTON 2 E					.43				.79				.04	.35		
ROYAL OAK 2 SSW					.48				.35				.14	.05		
VIENNA					.01									1.25		
LOWER SOUTHERN 03																
LA PLATA 1 W					.44				.29				.96	.28		
MECHANICSVILLE 5 NE					.31				.26				.69	.34		
OWINGS FERRY LANDING					.21	.19			.43				.45	.05		
PATUXENT RIVER					.09				.19				.48	.21		
UPPER SOUTHERN 04																
ANNAPOLIS POLICE BRKS					.50				.39					.28		
BALTIMORE WSO AP	R	T		T	.16			T	.15			T	T	.47	T	
BELTSVILLE					.09	.15			.11	T			.01	.39		
COLLEGE PARK			T		.03	.26		T	.17	T			.02	.50		
DALECARLIA RESVR D C					.37				.16				.50	.16		
GLENN DALE BELL STN					.10	.55		T	.18				.04	.31		
LAUREL 3 W					.58				.03					.50		
NATIONAL ARBORETUM D C					.60	.35			.10	.13			.10	.50		
UPPER MARLBORO 3 NNW		T			.07	.64			.25	.12			.13	.08		
NORTHERN EASTERN SHORE 05																
CHESTERTOWN					.25				.57					.01		
MILLINGTON 1 SE				T	.09			T	.49							
NORTHERN CENTRAL 06																
ABERDEEN PHILLIPS FLD					T	T		T	.05							
BALTIMORE WSO CI					.50				.10							
BENSON POLICE BARRACKS					T				.06							
BOYDS 2 NW					.39				.03					.05	.01	T
BRIGHTON DAM					.07	.30			.15							
CATOCTIN MOUNTAIN PARK					.35	.17			.73					.09		
CLARKSVILLE 3 NNE					.08	.57			.08				T			
CONOWINGO DAM					.13	T			.06				T		T	
DAMASCUS 2 SW		T			.06	.48		T	.05				.05			
EMMITSBURG 2 SE					.10	.05			.54							
FREDRICK POLICE BRKS					.08	.30			.21					.04		
FREDERICK 3 E					.17	.25			.31					.05		T
PARKTON 2 SW					.15	.05		T	.14					.03		T
POTOMAC FILTER PLANT		.09			T			T	.10				.03		.30	
ROCKVILLE 1 NE					.19			T	.04				.03		.03	
TOWSON					.12				.32					.01		
UNIONVILLE		.14			.20											
WESTMINSTER POLICE BRK					.06			.12						.02		
WOODSTOCK																

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
JUNE 1986

STATION	TOTAL	DAY OF MONTH														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
APPALACHIAN MOUNTAIN CUMBERLAND 2 EDGEMONT FROSTBURG 2 HAGERSTOWN HANCOCK FRUIT LAB 07	1.07 M 2.09 2.73 2.72		T	.02		.06 .03	.19 .11 1.92 .07	.17 .63 .39	.04		T T	.04 .23 .73	.16 .22 .02		T	
ALLEGHENY PLATEAU 08 MC HENRY 2 NW MERRILL OAKLAND 1 SE SAVAGE RIVER DAM	3.78 2.02 2.08 2.11		.12 .10 .08 .07	.05		.15 .07 .03	.04 .28 .10 .18 .15 T	T .05 .05 .02		T	.07 .10 .08 .18 .11	.10 .08 .06 .11	.20 .17 .06 .07		.08 T	
DELAWARE																
NORTHERN NEWARK UNIVERSITY FARM WILMINGTON WSO AP WILMGTN PORTER RESVR 01 R	2.32 4.05 3.29							.66 .07		T	2.38 2.00	2.10 .71 1.20	.11			
SOUTHERN DOVER GEORGETOWN 5 SW GREENWOOD 2 NE LEWES MILFORD 4 SE 02	2.39 3.58 2.46 1.78 2.50		.02					.07 T .37		.35 .40 .02		1.22	.97 2.02 .41 .84 .68			

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (CONT)

MARYLAND AND
DELAWARE
JUNE 1986

STATION	DAY OF MONTH															
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
APPALACHIAN MOUNTAIN 07	T	.15			.12								.30			
CUMBERLAND 2																
EDGE MONT	-	.27	-	-	.08	.02	-	.02	.03	T	-	-	.30	-	-	
FROSTBURG 2		.17			.13				.48						T	
HAGERSTOWN		.20			.38				.78				.15			
HANCOCK FRUIT LAB																
ALLEGHENY PLATEAU 08																
MC HENRY 2 NW		.82			.62			.21					.94	.10		
MERRILL		.60			.17			.18					.50			
OAKLAND 1 SE	.03	.50			.68			.07	T				1.11		.05	
SAVAGE RIVER DAM	.05	.58			.40			.12					.36	.02		
DELAWARE																
NORTHERN NEWARK UNIVERSITY FARM 01																
WILMINGTON WSO AP	R	.08		T	.14			T	.03				T		T	
WILMGTON PORTER RESVR		.04		T					.12							
SOUTHERN DOVER 02																
GEORGETOWN 5 SW					.13	.47			.27						.13	
GREENWOOD 2 NE					.05	.16			.11						.23	
LEWES					.03			T	.57	.61			.03		.18	
MILFORD 4 SE					.02				.91						.01	
					.67				.41				T		.35	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
JUNE 1986

STATION	DAY OF MONTH																															AVERAGE		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
MARYLAND																																		
SOUTHERN EASTERN SHORE 01																																		
ASSATEAGUE ISLAND NATL SE	MAX	85	87	77	64	73	84	77	84	82	82	78	89	70	78	78	86	85	84	75	84	80	73	76	90	84	71	80	80	83	96			
	OBS																																	
	MIN	64	63	52	55	59	61	64	67	65	58	64	61	62	64	62	65	67	57	57	66	57	58	54	60	60	55	64	68	70	60			
CRISFIELD SOMERS COVE	MAX																																	
	MIN																																	
PRINCESS ANNE	MAX	92	91	73	81	86	87	88	93	87	86	90	96	95	88	90	90	88	79	84	85	84	85	90	89	87	82	90	94	90	89			
	MIN	62	65	45	41	56	55	69	71	70	48	64	75	65	62	60	70	74	47	47	71	49	45	64	70	54	45	60	68	70	68			
SALISBURY	MAX	90	89	80	79	85	87	85	92	87	85	89	95	92	83	88	86	87	80	82	82	84	85	91	87	84	81	88	94	90	87			
	MIN	68	67	46	48	60	65	68	72	71	55	63	76	63	63	64	68	73	56	54	68	55	52	65	69	60	54	63	71	74	67			
SALISBURY FAA AP	MAX	92	87	69	80	85	88	87	94	86	86	89	96	85	86	89	87	81	77	83	82	82	85	90	85	75	82	88	93	88	85			
	MIN	66	58	46	44	61	66	70	42	57	52	66	67	65	63	63	69	57	52	63	55	50	65	68	57	51	63	73	72	67				
SNOW HILL 4 N	MAX	93	90	70	78	85	87	86	94	88	88	90	96	94	85	87	87	86	80	84	83	81	82	91	90	85	81	86	95	89	88			
	MIN	66	62	44	43	58	67	70	72	69	48	65	65	64	63	59	71	73	47	48	71	52	45	66	70	52	46	64	73	70	64			
CENTRAL EASTERN SHORE 02																																		
CAMBRIDGE WTR TRMT PL	MAX	92	93	73	80	86	89	88	95	93	86	94	98	95	84	91	91	90	79	87	86	85	82	92	93	86	84	94	92	93	92			
	MIN	65	64	49	50	65	69	69	69	66	56	70	74	64	61	69	70	70	60	53	68	51	53	67	69	66	53	66	74	71	69			
	OBS																																	
DENTON 2 E	MAX	96	89	75	83	88	94	92	97	98	90	94	100	87	89	92	91	88	86	87	84	84	88	94	90	85	85	90	91	91	87			
	MIN	64	64	40	43	61	65	67	70	72	48	69	72	62	58	60	71	69	49	50	65	56	50	65	66	58	49	63	72	72	67			
ROYAL OAK 2 SSW	MAX	89	86	71	79	84	86	87	90	83	83	88	94	85	84	88	88	84	76	82	80	81	83	90	85	82	81	89	90	89	87			
	MIN	67	66	47	56	67	70	71	72	69	55	72	75	60	60	69	72	70	54	55	67	57	55	70	67	63	53	70	72	73	65			
VIENNA	MAX	94	90	76	83	87	88	91	96	89	86	93	96	88	90	92	90	87	82	88	83	86	88	94	94	88	82	88	94	92	91			
	OBS																																	
	MIN	68	65	46	46	64	67	70	72	69	53	68	71	63	61	61	61	73	53	54	53	56	52	66	65	67	52	65	73	70	67			
	OBS																																	
LOWER SOUTHERN 03																																		
LA PLATA 1 W	MAX	86	85	70	79	84	86	84	87	81	82	87	90	85	81	86	87	87	76	82	81	77	83	86	86	81	79	89	86	84	83			
	MIN	65	67	46	54	65	69	72	70	64	54	71	73	67	60	68	70	67	54	52	65	57	60	65	68	60	53	67	68	71	66			
MECHANICSVILLE 5 NE	MAX	90	83	70	80	86	88	84	91	82	85	90	94	88	86	89	89	82	77	85	82	80	87	91	85	76	82	92	88	83				
	MIN	64	66	43	46	61	66	71	67	63	51	69	72	67	58	65	68	71	52	48	63	55	53	65	67	54	50	62	70	70	66			
OWINGS FERRY LANDING	MAX	90	89	74	80	87	89	87	92	83	86	91	95	88	87	88	92	88	81	85	85	82	87	93	92	88	83	93	91	90	89			
	MIN	64	65	42	48	64	68	69	68	63	52	70	73	64	58	66	70	69	52	51	64	56	55	67	66	57	51	65	69	71	65			
PATUXENT RIVER	MAX	91	85	70	79	83	82	85	92	83	81	91	98	85	84	86	91	79	76	85	83	81	81	91	86	79	81	94	96	91	86			
	MIN	69	62	52	56	65	69	71	72	66	59	71	61	65	67	72	72	66	62	59	66	63	58	70	69	60	59	70	70	71	72			
UPPER SOUTHERN 04																																		
ANNAPOLIS POLICE BRKS	MAX	92	92	84	82	86	87	88	94	92	92	95	95	88	87	88	92	91	82	84	84	82	84	93	93	90	87	92	93	93	90			
	MIN	67	60	50	50	64	68	72	74	67	58	70	72	62	62	68	70	67	58	56	52	60	58	64	65	59	54	68	72	71	68			
	OBS																																	
BALTIMORE WSO AP	MAX	93	82	71	83	90	90	87	93	86	87	94	96	85	87	88	92	80	77	85	84	84	88	93	89	78	84	94	87	94	88			
	MIN	67	56	47	50	61	67	72	69	59	53	71	65	63	60	66	68	61	52	54	65	61	55	62	65	56	52	63	73	72	67			
BELTSVILLE	MAX	91	91	82	72	83	89	91	86	91	85	87	94	95	83	87	90	90	78	77	85	83	82	89	92	87	77	83	92	89	90			
	MIN	62	64	44	47	63	69	72	66	60	49	68	71	62	52	66	70	65	50	50	65	54	53	61	64	57	47	60	71	71	65			
COLLEGE PARK	MAX	92	93	83	75	83	91	92	89	93	85	88	95	98	87	89	92	93	80	79	88	86	85	91	92	90	79	85	95	89	93			
	MIN	66	67	46	52	65	70	72	68	63	53	73	74	64	61	72	72	67	53	54	67	57	56	64	66	59	51	63	74	74	69			
DALECARLIA RESVR D C	MAX	92	90	73	83	88	91	89	93	89	88	94	97	87	88	91	92	88	79	87	85	84	89	94	93	88	84	95	92	94	93			
	MIN	62	64	44	52	62	68	67	69	61	51	73	62	64	59	66	73	63	49	54	59	57	75	64	57	54	65	69	71	67				
	OBS																																	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
JUNE 1986

STATION	DAY OF MONTH																															AVERAGE	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
APPALACHIAN MOUNTAIN 07																																	
CUMBERLAND 2	MAX	88	83	71	86	87	88	87	86	83	79	91	90	76	87	91	90	86	77	86	84	84	92	90	85	80	87	87	86	89	84		
	MIN	64	42	42	47	67	68	69	56	52	56	69	64	54	59	64	58	48	48	50	54	54	55	65	53	48	53	57	67	62	59		
FROSTBURG 2	MAX	80	80	64	63	78	79	86	79	77	74	74	83	82	69	78	83	81	66	67	79	75	76	84	80	74	68	79	80	74	79		
	MIN	61	60	39	41	49	64	64	64	54	50	54	66	60	54	55	59	52	42	44	46	51	52	53	61	46	45	47	54	65	58		
HAGERSTOWN	MAX	89	87	71	83	88	90	84	85	84	82	91	91	89	86	90	91	89	77	85	83	81	90	91	88	81	85	90	87	90	81		
	MIN	63	63	41	51	66	68	68	68	58	52	66	70	62	58	63	70	58	49	50	63	56	58	67	63	53	50	60	68	66	62		
HANCOCK FRUIT LAB	MAX	87	85	75	83	85	85	85	84	84	84	92	91	87	84	89	90	90	75	84	83	83	88	89	86	80	83	88	87	92	89		
	MIN	58	40	34	39	60	65	69	67	51	45	64	68	59	53	59	64	58	43	44	62	50	50	62	60	46	45	51	68	63	58		
ALLEGHENY PLATEAU 08																																	
MC HENRY 2 NW	MAX	79	80	65	65	76	80	80	82	78	76	76	80	81	66	80	84	80	66	70	79	78	78	82	79	72	67	78	79	71	78		
	MIN	56	58	38	40	55	62	62	63	51	52	59	65	57	52	54	61	48	40	42	51	49	54	58	60	43	45	52	59	62	57		
OAKLAND 1 SE	MAX	79	76	65	76	78	81	81	82	79	77	80	81	81	80	83	81	80	68	79	76	74	82	81	80	72	77	78	76	78	77		
	MIN	53	52	34	41	59	60	59	62	46	45	65	65	59	52	52	57	51	36	40	59	46	47	60	58	43	38	45	63	66	56		
SAVAGE RIVER DAM	MAX	81	84	65	66	81	83	82	83	81	81	77	86	85	71	82	87	84	70	72	82	79	80	86	84	77	71	82	83	72	82		
	MIN	59	57	37	39	47	62	64	63	50	48	51	65	58	53	55	59	53	41	41	48	49	49	51	61	50	43	47	53	65	60		
DELAWARE																																	
NORTHERN 01																																	
NEWARK UNIVERSITY FARM	MAX	93	91	72	82	89	91	86	91	85	85	95	94	78	84	90	88	88	75	81	84	82	85	91	89	84	82	90	88	91	89		
	MIN	66	63	39	50	60	69	71	71	64	50	67	62	57	60	62	68	61	48	53	64	59	51	62	61	53	48	60	73	69	60		
WILMINGTON WSO, AP	MAX	91	77	70	77	88	88	82	90	81	81	92	74	78	83	87	87	81	73	80	84	80	80	90	86	74	80	89	85	91	81		
	MIN	69	53	45	51	64	70	71	70	60	55	69	60	58	60	65	71	58	50	54	61	59	58	65	64	56	52	65	74	73	61		
WILMGTON PORTER RESVR	MAX	90	77	70	78	86	80	87	89	80	84	90	73	78	82	85	86	79	73	80	81	80	82	90	85	74	80	89	84	90	79		
	MIN	69	54	45	53	64	70	69	70	74	59	69	59	58	64	66	71	60	52	57	66	61	55	66	68	57	54	65	75	74	60		
SOUTHERN 02																																	
DOVER	MAX	92	88	73	80	88	88	88	94	90	84	92	93	84	85	87	89	89	78	84	84	83	82	91	92	86	83	90	89	90	90		
	MIN	69	67	47	47	63	68	68	69	67	54	68	72	61	59	67	70	67	52	55	66	57	53	67	67	59	51	64	74	72	65		
	OBS																																
GEORGETOWN 5 SW	MAX	92	93	85	71	81	88	90	87	94	84	88	91	96	85	82	88	87	78	76	83	80	79	84	90	84	74	80	90	86	89		
	MIN	64	70	45	41	61	67	68	67	67	51	66	73	62	61	59	64	74	53	51	67	54	50	58	70	54	51	60	71	71	65		
GREENWOOD 2 NE	MAX	91	87	73	80	86	90	86	94	87	88	92	97	83	84	88	87	79	75	83	80	81	85	90	88	80	82	89	87	89	86		
	MIN	65	67	46	44	61	64	69	71	67	50	67	67	62	60	65	69	69	49	51	65	55	51	63	66	55	50	61	73	72	64		
LEWES	MAX	94	91	72	78	80	87	85	94	89	80	93	100	90	84	87	90	90	72	87	83	78	79	92	92	86	84	90	91	90	88		
	MIN	68	68	53	46	62	68	66	71	70	52	66	72	63	64	66	70	70	58	54	67	57	54	72	66	60	54	65	75	73	69		
MILFORD 4 SE	MAX	94	91	68	82	89	92	85	94	83	82	92	100	92	85	88	88	87	78	85	83	77	81	90	89	75	83	89	89	91	89		
	OBS																																
	MIN	67	68	52	46	61	66	67	67	67	55	66	72	62	62	65	69	69	56	53	62	56	52	66	63	56	51	62	74	71	66		
	OBS																																

SEE REFERENCE NOTES FOLLOWING STATION INDEX.

EVAPORATION AND WIND

MARYLAND AND
DELAWARE
JUNE 1986

STATION	DAY OF MONTH																															TOTAL OR AVG			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
MARYLAND																																			
UPPER SOUTHERN 04																																			
BELTSVILLE	WIND	45	50	92	43	47	48	50	23	74	49	43	42	44	42	12	36	44	58	33	36	27	29	32	41	66	39	30	55	48	40			1318	
	EVAP	44	31	33	27	25	34	30	18	32	39	33	29	31	30	16	37	27	43	32	32	18	36	27	27	26	31	27	35	34	21			9.05	
	MAX	94	94	80	85	90	95	95	91	92	91	92	97	95	90	93	96	97	87	86	91	89	91	94	91	86	87	90	95	90	94			91.3	
	MIN	68	70	48	48	57	70	73	74	65	59	60	70	68	66	65	66	68	56	56	60	64	64	64	68	59	57	59	69	73	69			63.8	
UPPER MARLBORO 3 NNW	WIND	2	3	30	4	12	12	5	0	2	19	17	18	33	15	9	24	38	35	16	15	5	14	12	11	18	19	12	16	3	12			431	
	EVAP	17	28	31	22	22	30	24	20	25	31	28	22	40	25	23	29	25	37	27	30	20	25	26	22	26	26	23	26	14	28			7.72	
	MAX	92	95	82	85	89	93	96	95	91	93	92	96	98	92	93	98	96	90	88	89	84	92	94	93	89	88	91	95	91			91.7		
	MIN	69	69	48	51	60	64	68	72	65	60	62	67	67	64	63	69	69	57	57	60	62	62	65	67	58	58	62	67	71			63.2		
ALLEGHENY PLATEAU 08																																			
SAVAGE RIVER DAM	WIND	26	22	41	41	13	8	9	16	40	13	17	16	12	21	11	8	37	51	27	22	36	15	16	24	61	36	16	26	15	31			727	
	EVAP	32	9	17	22	12	9	*	24	8	27	10	17	14	15	16	11	34	27	20	14	26	12	21	11	45	20	22	28	2	24			5.49	
	MAX	88	88	67	79	78	80	82	88	80	87	74	87	68	70	82	88	90	85	83	87	81	83	94	87	75	72	82	83	75	88			81.7	
	MIN	60	63	46	45	50	61	66	68	57	56	56	65	65	59	55	63	60	50	49	53	56	55	59	66	54	52	52	57	56	54			56.9	
DELAWARE																																			
NORTHERN 01																																			
NEWARK UNIVERSITY FARM	WIND	26	30	25	21	24	27	26	40	26	20	35	56	53	37	22	27	70	37	28	37	33	21	38	40	65	19	21	47	48	40			1039	
	EVAP	35	17	20	25	11	35	15	9	35	30	28	19	12	21	17	26	36	29	34	12	35	30	27	24	24	10	27	19	33	44			7.39	
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
SOUTHERN 02																																			
GEORGETOWN 5 SW	WIND	44	84	115	52	123	25	65	85	85	62	107	38	115	61	42	00	68	97	54	24	*	10	11	90	76	73	58	82	120	90	66			2602
	EVAP	34	35	37	26	33	32	27	17	44	42	41	35	86	35	25	20	37	40	32	42	15	31	33	26	36	29	31	36	8	38			10.03	
	MAX	95	93	88	84	85	90	92	89	97	90	91	94	98	95	94	93	93	86	86	89	84	88	90	91	87	85	89	97	91	96			90.7	
	MIN	69	71	48	50	54	65	70	70	68	58	63	68	67	73	71	68	73	58	59	60	61	60	60	68	64	60	62	68	76	70			64.4	

EVAPORATION: IS MEASURED IN HUNDRETHS OF INCHES
 WIND: IS MEASURED IN MILES
 MAX AND MIN: THE MAXIMUM AND MINIMUM TEMPERATURES (FAHRENHEIT) OF THE WATER IN THE EVAPORATION PAN
 SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
JUNE 1986

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER
							LOCAL STD TIME				
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)	
MARYLAND											
ABERDEEN PHILLIPS FLD	001506		HARFORD	39 28	76 10W	57	16	16	C H	ROSS AVIATION INC	
ANNAPOLIS POLICE BRKS	019304		ANNE ARUNDEL	38 59	76 30W	25	17	17	C H	ANNAPOLIS POLICE BRKS	
ASSATEAGUE ISLAND NATL	003350	SE	WORCESTER	38 14	75 8W	7	7	7	C H	NATIONAL PARK SERVICE	
BALTIMORE WSO AP	004650	RR	ANNE ARUNDEL	39 11	76 40W	196	MID	MID	C H J	NATL WEATHER SERVICE	
BALTIMORE WSO CI	004700		BALTO CITY	39 17	76 37W	91	MID	MID	C H	OCMI COMMANDING OFFICER	
BELTSVILLE	070004		PRN GEORGES	39 2	76 53W	120	8	8	B C H	U S DEPT OF AGRICULTURE	
BENSON POLICE BARRACKS	073206		HARFORD	39 30	76 23W	365	17	17		MARYLAND STATE POLICE	
BOYDS 2 NW	103206		MONTGOMERY	39 13	77 20W	580	18	18		HUNTER F STALEY	
BRIGHTON DAM	112506		MONTGOMERY	39 12	77 1W	330		MID		WASH SUB SANY COMM	
CAMBRIDGE WTR TRMT PL	138502		DORCHESTER	38 34	76 4W	5	16	16	C H	WASTEWATER TRTMT PLANT	
CATOCTIN MOUNTAIN PARK	153006		FREDERICK	39 39	77 29W	1610	17	17	C H H	CATOCTIN MOUNTAIN PARK	
CENTREVILLE	162705		QUEEN ANNES	39 3	76 4W	60	17	17	C H	INACTIVE 02/01/86	
CHESTERTOWN	175005		KENT	39 13	76 4W	40	23	23	H	THOMAS W ELIASON JR	
CLARKSVILLE 3 NNE	186206		HOWARD	39 15	76 56W	365	17	17		UNIVERSITY OF MARYLAND	
COLLEGE PARK	199504		PRN GEORGES	38 59	76 57W	90	9	9	C H	UNIVERSITY OF MARYLAND	
CONOWINGO DAM	206006		HARFORD	39 39	76 10W	40	MID	MID	C H	SUSQUEHANNA ELECTRIC CO	
CRISFIELD SOMERS COVE	221501		SOMERSET	37 59	75 52W	8	17	17		SOMERS COVE MARINA	
CUMBERLAND 2	228207		ALLEGANY	39 38	78 45W	730	18	7	H	TIMOTHY B THOMAS	
DALECARLIA RESVR D C	232504			38 56	77 7W	146	17	17		U S CORPS OF ENGINEERS	
DAMASCUS 2 SW	233506		MONTGOMERY	39 16	77 14W	720	19	19	H	RICHARD W SCHWERDT	
DENTON 2 E	252302		CAROLINE	38 53	75 48W	50	17	17	H	ARTHUR REINHOLD	
EDGE MONT	277007		WASHINGTON	39 40	77 33W	905	7	7		JOHN W HARNE	
EMMITSBURG 2 SE	290606		FREDERICK	39 41	77 18W	416	17	17	H	MRS LUCILLE K BEALE	
FREDRICK POLICE BRKS	334806		FREDERICK	39 25	77 26W	380	17	17	H	MARYLAND STATE POLICE	
FREDERICK 3 E	335506		FREDERICK	39 24	77 22W	385	7	7		MISS I MARY STALEY	
FROSTBURG 2	341507		ALLEGANY	39 40	78 56W	2170	7	7	H	LEE K CLOSE	
GLENN DALE BELL STN	367504		PRN GEORGES	38 58	76 48W	150	16	16	H	USDA PLT INTRODUCT STN	
HAGERSTOWN	397507		WASHINGTON	39 39	77 44W	660	18	18		HAGERSTOWN RESERVOIR	
HANCOCK FRUIT LAB	403007		WASHINGTON	39 42	78 11W	428	16	16	C H	SHARPSBURG RESEARCH C	
LA PLATA 1 W	508003		CHARLES	38 32	77 0W	140	18	18	C H	C RUSSELL LEVERING	
LAUREL 3 W	511104		PRN GEORGES	39 6	76 54W	400	MID	MID	C H	WASH SUB SANY COMM	
MC HENRY 2 NW	583208		GARRETT	39 35	79 22W	2680	18	8	C H	JOSEPH F JOHENNING	
MECHANICSVILLE 5 NE	586503		ST MARYS	38 26	76 43W	100	19	19		SANDRA J HASTING	
MERRILL	589408		GARRETT	39 36	79 5W	1790				DELWOOD E MERRILL	
MILLINGTON 1 SE	598505		KENT	39 16	75 52W	30	18	18	H	HOWARD L HARVEY	
NATIONAL ARBORETUM D C	635004			38 54	76 59W	50	8	8	H	U S NATL ARBORETUM	
OAKLAND 1 SE	662008		GARRETT	39 24	79 24W	2420	17	17	H	BEA J CROSCO	
OWINGS FERRY LANDING	677003		CALVERT	38 41	76 40W	160	17	17	H	JAMES C RASMUSSEN	
PARKTON 2 SW	684406		BALTIMORE	39 38	76 42W	600	23	23	C H	JOHN R FOX	
PATUXENT RIVER	691503		ST MARY'S	38 20	76 25W	38	MID	MID	C	NAVAL WEATHER SERVICE	
POTOMAC FILTER PLANT	727206		MONTGOMERY	39 2	77 15W	270		8		POTOMAC WATER FILT PLT	
PRINCESS ANNE	733001		SOMERSET	38 13	75 41W	20	17	17	H	UNIVERSITY MARYLAND EAST	
ROCKVILLE 1 NE	770506		MONTGOMERY	39 6	77 6W	440	17	17	H	WASH GAS & LIGHT CO	
ROYAL OAK 2 SW	780602		TALBOT	38 43	76 11W	10	18	18	H	JOHN L SWAINE JR	
SALISBURY	800001		WICOMICO	38 22	75 35W	10	17	17		CITY OF SALISBURY	
SALISBURY FAA AP	800501		WICOMICO	38 20	75 31W	48	MID	MID	H	FAA	
SAVAGE RIVER DAM	806508		GARRETT	39 31	79 8W	1495	8	8	B C H	U S CORPS OF ENGINEERS	
SNOW HILL 4 N	838001		WORCESTER	38 14	75 23W	28	18	18	C H	CURTIS E SHOCKLEY	
TOWSON	887706		BALTIMORE	39 23	76 34W	390	18	18		BENDIX FRIEZ	
UNIONVILLE	903006		FREDERICK	39 27	77 11W	430	18	18	C H	CAROLINE R VON EIFF	
UPPER MARLBORO 3 NNW	907004		PRN GEORGES	38 52	76 47W	98	8	8	B H	TOBACCO EXP FARM	
VIENNA	914002		DORCHESTER	38 29	75 50W	12	18	18	H	DELMARVA POWER & LIGHT	
WESTMINSTER POLICE BRK	944006		CARROLL	39 33	76 58W	765	17	17		MARYLAND STATE POLICE	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
JUNE 1986

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER
							LOCAL STD TIME				
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)	
WOODSTOCK	9750	06	BALTIMORE	39 20	76 52W	460	18	18		H	JOHN A HILTZ
DELAWARE											
DOVER	2730	00	KENT	39 39	75 31W	30	17	17		H	STATE DIV OF HIGHWAYS UNIV OF DEL SUBSTATION DANIEL M SWARTZENTRUBER BOARD OF PUBLIC WORKS INACTIVE 08/01/85 DAVID S SCHLOTT UNIV OF DELAWARE NATL WEATHER SERVICE
GEORGETOWN 5 SW	35700	00	SUSSEX	38 58	75 27W	45	8	8	8	C	
GREENWOOD 2 NE	35950	00	SUSSEX	38 50	75 35W	45	18	18			
LEWES	53200	00	SUSSEX	38 46	75 8W	15	17	17		H	
MIDDLETOWN 1 WSW	58520	00	NEW CASTLE	39 26	75 45W	60	16	16		H	
MILFORD 4 SE	59150	00	SUSSEX	38 54	75 28W	30	17	17		H	
NEWARK UNIVERSITY FARM	64100	01	NEW CASTLE	39 40	75 44W	90	17	17	17	C	
WILMINGTON WSO AP	95950	01	NEW CASTLE	39 40	75 36W	79	MID	MID		C	
WILMGTN PORTER RESVR	96050	01	NEW CASTLE	39 46	75 32W	274	MID	MID		H	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

REFERENCE NOTES

MARYLAND AND
DELAWARE
JUNE 1986

DEFINITIONS

STATION NAMES: Name of the city, town or locality. Figures and letters following the station names indicate the distance in miles and direction from the post office or town community center.

DIVISIONS: Areas within a state of similar climatological characteristics. Division averages are calculated using data from stations that record both temperature and precipitation (ie: not precipitation alone).

NORMALS: The average value of the meteorological element over a time period. Effective 1 January 1983, the averaging period is 1951 to 1980. The normals for National Weather Service localities have been adjusted so as to be representative for the current observation site.

MONTHLY DEGREE DAY TOTALS: One heating (cooling) degree day is accumulated for each whole degree that the daily mean temperature is BELOW (ABOVE) 65 degrees Fahrenheit.

PRECIPITATION: Values shown in hundredths of inches are water equivalent totals, i.e. total of liquid and melted frozen precipitation. In the "MONTHLY SUMMARIZED DATA" table the total snow and sleet values shown in tenths of inches are unmelted amounts. The max. depth on ground values of snow and sleet shown in whole inches are cumulative unmelted amounts. The no. of days with .10, .50, 1.00 or more refers to water equivalents.

TEMPERATURE: Original and edited temperature values are given in the Daily Temperature Table. Edited values are produced when an original value is missing or when surrounding stations indicate a suspect original value. When a line labeled OBS is present and contains either a daily temperature (suspect) or *** (missing), the temperature appearing directly above, on the line labeled MAX or MIN, is an edited value. Summary temperature information (averages, departures, extremes, monthly degree day totals) is based on the values labeled MAX/MIN.

WIND: (As shown in "Evaporation and Wind" table) The total wind movement in miles over the evaporation pan as determined by an anemometer recorder located 6-8 inches above the pan.

SYMBOLS AND LETTERS USED IN THE STATION INDEX TABLE

- # Thermometers located in a rooftop shelter.
- // Rain Gage equipped with a windshield.
- AR Observation made "after rain" has occurred.
- C Station is equipped with recording rain gage (R) but values in this bulletin are from a non-recording rain gage unless indicated by an R.
- G Observations appear in "Soil Temperatures" table.
- H Observations appear in "Snowfall and Snow on Ground" table.
- J Station also published as a Local Climatological Data publication.
- MID Observation time is midnight.
- MO Rain gage read once monthly, usually the last day.
- OC Rain gage readings vary from a few weeks to several months.
- R Amounts from recording rain gage.
- SR Observation time near sunrise.
- SS Observation time near sunset.
- VAR Observation time varies.
- WI Rain gage read weekly or irregularly.
- WM Rain gage read weekly and last day of month.

SYMBOLS AND LETTERS USED IN THE DATA TABLES

(DAILY DATA ARE FOR THE 24 HOURS IMMEDIATELY PRECEDING OBSERVATION TIME.)

BLANK entries in the "Monthly Summarized Data" table indicate no record. BLANK entries in the "Daily Precipitation" and "Snowfall and Snow on Ground" tables indicate zero.

BLANK entries in the "Daily Temperature" table indicate a missing record where an edited value could not be determined. (See *** below)

- No record. Data not recorded, determined unreliable by quality control checks, or not received in time for publication.

+ Precipitation or temperature extremes occurred on one or more previous dates during the month.

*** Missing original temperature which has been estimated during edit.

* Rain gage not read. Precipitation is included in the amount following the asterisks. Time distribution not known. A * preceding the monthly total indicates precipitation amount is being carried forward to next months total, and may include amounts from the previous month(s).

// Rain gage equipped with a windshield.

A Amount of precipitation is the total of observer's entries for the current month. It may include precipitation that occurred during the previous month. Refer to earlier bulletin to determine date of last reading. (HAWAII stations)

B Adjusted monthly value (estimated), (1-7 missing values for wind and evaporation).

M Insufficient or partial data. M is appended to average and/or total values computed with 1-9 daily values missing. M appears alone if 10 or more daily values are missing, (8 or more for wind and evaporation).

R Amounts from recording rain gage.

T Trace. An amount too small to measure.

V Includes total for previous month(s). (See * above)

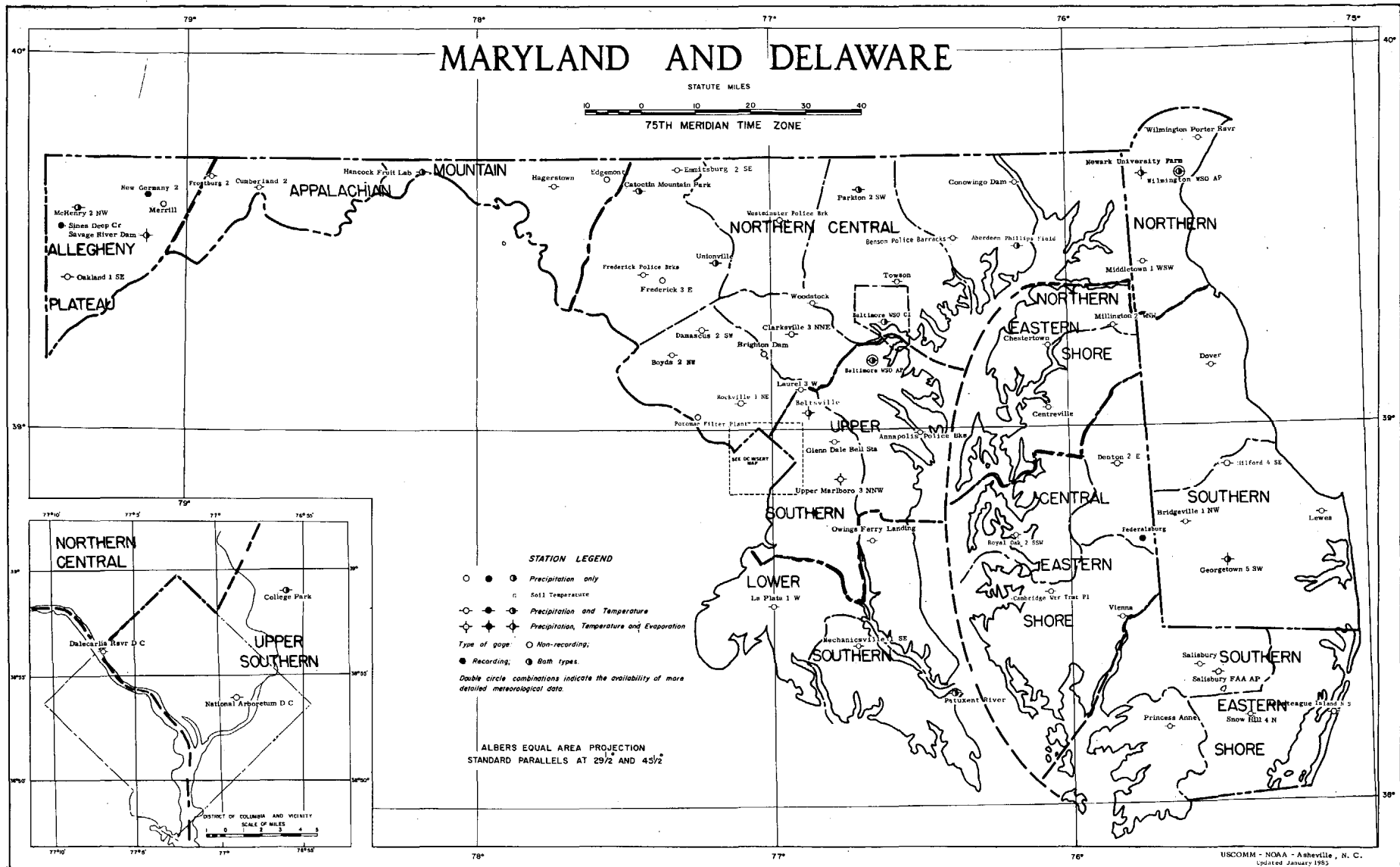
Additional Information regarding the climate of this state may be obtained by writing to the National Climatic Data Center, Federal Building, Asheville, N. C. 28801-2696, or to any Weather Service Office near you. Additional precipitation data are contained in the "Hourly Precipitation Data" bulletin for each state, except Alaska.

Seasonal Tables: Monthly and seasonal snowfall and heating degree days for the 12 months ending with the June data are published in the July issue of this bulletin. Cooling degree days for the calendar year are published in the "Climatological Data Annual Summary".

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 Data Center. Similar historical information for regular National Weather Service Offices may be obtained from the "Local Climatological Data" annual publication.

SUBSCRIPTION, PRICE AND ORDERING INFORMATION AVAILABLE FROM:
NATIONAL CLIMATIC DATA CENTER
FEDERAL BUILDING
ASHEVILLE, NC 28801-2696

USCOMM-NOAA-ASHEVILLE, N.C. JUNE 1986-0680



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