

Climatological Data



MARYLAND AND DELAWARE

TEMPERATURE AND PRECIPITATION EXTREMES

HIGHEST TEMPERATURE: 6 STATIONS 74 DATE 09+
 LOWEST TEMPERATURE: OAKLAND 1 SE MD. 3 DATE 28
 GREATEST TOTAL PRECIPITATION: MCHENRY 2 NW MD. 8.42
 LEAST TOTAL PRECIPITATION: CRISFIELD SOMERS COVE MD. 2.81
 GREATEST 1 DAY PRECIPITATION: MCHENRY 2 NW MD. 2.20 DATE 04
 GREATEST TOTAL SNOWFALL: FROSTBURG 2 MD. 10.7
 GREATEST DEPTH OF SNOW OR ICE: MCHENRY 2 NW MD. 6 DATE 27

SUPPLEMENTAL DATA

	WIND (SPEED - M.P.H.)						RELATIVE HUMIDITY AVERAGES- PERCENT				NUMBER OF DAYS WITH PRECIPITATION							PERCENT OF POSSIBLE SUNSHINE AVERAGE (TENTHS)	SKY COVER AVERAGE (TENTHS) SUNRISE TO SUNSET
	RESULTANT DIRECTION	RESULTANT SPEED	AVERAGE	FASTEST MILE	DIRECTION OF FASTEST MILE	DATE OF FASTEST MILE	STANDARD OF TIME				TRACE	-01--09	-10--49	-50--99	1-00-1-99	2-00 AND OVER	TOTAL		
							01	07	13	19									
BALTIMORE WSO AP MD.	28	5.2	9.7	42	NW	17	64	68	52	53	3	2	5	2	1	0	13	57	5.5
WILMINGTON WSO AP DEL	28	5.4	10.0	35++	28	25+	70	70	49	61	2	1	7	1	2	0	13	-	6.0

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC CENTER, ASHEVILLE, NORTH CAROLINA 28801.

Daniel B. Mitchell DIRECTOR
 NATIONAL CLIMATIC CENTER

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

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND DELAWARE
DECEMBER 1978

STATION	TEMPERATURE											PRECIPITATION											
	AVERAGE MAX/MIN	AVERAGE MIN/MAX	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST DATE	LOWEST DATE	DEGREE DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY DATE	SNOW, SLEET			NO. OF DAYS					
								MAX.		MIN.					TOTAL	MAX. DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE			
								0° OR ABOVE	32° OR ABOVE	32° OR BELOW	0° OR BELOW												
HAGERSTOWN	47.0	28.1	37.6		68	4	12	29	845	0	1	23	0	3.68		1.11	9	7	0	8	2	1	
HANCOCK FRUIT LAB	44.8	24.8	34.8		64	5	7	29	929	0	3	25	0	3.37	.82	1.12	25	1.0	T	25	7	3	1
DIVISION			35.5	2.4										3.73	.95			3.2					
ALLEGHENY PLATEAU DB																							
MCHENRY 2 NW	38.0	22.2	30.1		60	9	7	28	1073	0	13	27	0	8.42		2.20	4	10.5	6	27	8	5	4
OAKLAND 1 SE	42.7	20.8	31.8	2.6	63	8	3	28	1021	0	5	28	0	6.77	2.96	1.23	8	6.5	2	25	9	7	3
SAYAGE RIVER DAM	40.4	22.5	31.5		65	5	6	30	1033	0	4	29	0	5.13		1.47	25	1	31	5	5	4	3
DIVISION			31.1	2.4										6.77	3.23			8.5					

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND DELAWARE
DECEMBER 1978

STATION	TEMPERATURE											PRECIPITATION																											
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST DATE	LOWEST DATE	DEGREE DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	WETTEST DAY DATE	SNOW, SLEET			NO. OF DAYS																					
								MAX.	MIN.	100° OR BELOW	32° OR BELOW				32° OR BELOW	32° OR BELOW	TOTAL	TOTAL	MAX. DEPTH ON GROUND	DATE	1.0 OR MORE	.50 OR MORE	1.00 OR MORE																
																								100° OR BELOW	32° OR BELOW	32° OR BELOW	32° OR BELOW												
DELAWARE																																							
NORTHERN 01																																							
MIDDLETOWN 1 WSW	49.9M	29.8M	39.9M		71	4	16	29	770	0	0	0	0	5.19		1.44	9	.0	0																				
NEWARK UNIVERSITY FARM	48.3	28.8	38.6	4.1	69	4	16	29	811	0	0	23	0	5.41		1.52	9	T	0																				
WILMINGTON WSD AP	46.9	27.5	37.2	2.5	70	4	13	29	854	0	1	24	0	5.56		2.24	9	T	0	20																			
WILMINGTON PORTER RESVR	46.2	27.8	37.0	2.5	69	4	15	29	861	0	1	24	0	5.69		2.26	9	.0	0																				
DIVISION			38.2	3.3										5.46		2.11		T																					
SOUTHERN 02																																							
BRIDGEVILLE 1 NW	50.9	29.9	40.4	3.5	71	8	16	11	755	0	0	21	0	4.11		1.05	5	.0	0																				
DOVER	51.7	31.3	41.5	4.2	74	8	17	11	718	0	0	22	0	4.76		1.34	5	T	0																				
GEORGETOWN 5 SW	50.2	28.6	39.4		71	9	14	11	786	0	0	22	0	4.47		1.18	10	.0	0																				
LEMES 1 SW	51.3	29.8	40.6		73	8	18	11	749	0	1	22	0	4.77		1.85	24	.0	0																				
MILFORD 2 WSW	51.9	30.1	41.0		74	8	14	11	737	0	0	20	0	4.17		.96	5	.0	0																				
DIVISION			40.6	3.3										4.46		.90		T																					

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION

MARYLAND AND DELAWARE
DECEMBER 1978

STATION	TOTAL	DAY OF MONTH																																			
		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					
DELAWARE																																					
* * * * *																																					
NORTHERN 01																																					
MIDDLETON 1 MSW	5.18				.05	.78			.08	1.44	.15																										
NEWARK UNIVERSITY FARM	5.41				.88	.57			.08	1.52	.12																										
WILMINGTON WSO AP	5.58				.85	.47			.17	1.55																											
WILMINGTON PORTER RESVR	5.68				.63	.20			.20	1.85																											
* * * * *																																					
SOUTHERN 02																																					
BRIDGEVILLE 1 NW	4.11				.44	1.05			.02	.77	.15																										
DOVER	4.76				1.02	1.10			T	.40	.37																										
GEORGETOWN 5 SW	4.47				.18	1.11			.30	.98	1.18																										
LENES 1 SW	4.73				.80	.70			.03	T	.98																										
MILFORD 2 MSW	4.17				.63	.98			.02	.78	.18																										

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES

MARYLAND AND DELAWARE
DECEMBER 1978

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																																	
NORTHERN CENTRAL 06																																	
ABERDEEN PHILLIPS FLD	MAX MIN	51 33	52 30	47 37	68 45	67 42	59 28	56 30	61 46	66 40	36 26	44 18	53 22	53 29	52 31	55 27	53 40	49 34	47 27	36 27	50 32	44 36	48 24	46 29	45 24	45 21	43 22	34 18	36 14	36 21	39 21	39 33	48.7 29.9
BALTIMORE WSO CI	MAX MIN	49 36	56 34	49 36	70 46	53 43	64 39	56 40	72 50	66 30	38 24	46 22	58 32	40 30	55 30	58 38	48 38	51 37	44 32	46 34	53 39	48 36	53 36	48 35	49 38	49 29	41 28	36 27	39 25	41 32	45 39	50.2 34.4	
BENSON POLICE BARRACKS	MAX MIN	51 28	55 20	51 30	70 42	68 39	63 27	55 29	64 43	68 35	38 21	37 15	41 18	55 20	53 23	53 22	59 24	51 36	49 29	47 23	37 26	51 29	46 24	51 21	48 22	47 34	47 22	42 18	36 14	39 17	39 30	50.0 25.9	
BOYDS 2 NW	MAX MIN	48 33	54 30	50 35	69 41	60 40	59 34	56 36	66 46	68 34	35 22	37 14	43 22	56 24	52 27	55 24	57 29	52 36	50 29	46 28	35 28	50 31	45 24	47 27	42 29	43 31	45 26	32 19	35 16	39 22	48.9 28.6		
CATOCTIN MOUNTAIN PARK	MAX MIN	43 28	47 31	40 32	62 36	50 35	52 36	50 37	58 45	57 30	40 17	28 13	35 22	50 27	46 26	50 26	48 37	48 31	41 26	37 26	32 23	47 30	37 23	40 30	39 26	34 26	40 25	26 15	31 14	33 21	37 29	42.4 27.1	
CLARKSVILLE 3 NNE	MAX MIN	49 24	56 22	45 32	70 45	64 41	61 26	57 27	67 43	70 34	39 23	36 13	43 18	57 17	52 29	55 18	57 20	51 38	49 28	48 20	35 28	49 35	46 23	49 17	43 20	44 34	49 21	32 8	36 12	39 16	39 33	49.3 25.5	
CONOHINGO DAM	MAX MIN	43 27	51 33	49 30	68 43	51 40	57 24	54 25	57 45	57 36	32 16	33 12	43 15	46 17	46 18	55 21	47 34	48 29	40 25	40 30	49 21	44 15	47 25	46 30	43 21	43 17	39 20	41 18	34 13	37 17	40 22	46.0 22.7	
DAMASCUS 2 SW	MAX MIN	47 30	54 30	46 34	67 43	54 40	57 36	55 41	62 47	62 33	33 21	33 15	41 22	55 27	43 27	53 25	56 33	49 29	47 33	44 29	38 27	47 33	43 24	46 28	41 28	45 30	38 26	31 17	33 16	37 22	43 32	46.6 29.0	
EMMITSBURG 2 SE	MAX MIN	47 25	53 25	45 35	67 38	58 40	59 24	55 25	55 45	59 36	48 23	42 16	54 21	51 28	53 25	55 32	50 35	49 31	45 26	35 27	49 29	45 23	35 20	52 20	43 32	42 22	43 22	33 18	33 13	38 17	37 22	47.4 26.3	
FREDRICK POLICE BRKS	MAX MIN	51 28	53 30	51 37	69 40	67 40	58 32	57 32	66 42	64 32	39 23	35 18	44 22	56 24	55 30	55 22	58 35	54 36	52 34	48 32	37 28	51 30	48 28	46 25	46 28	41 28	45 27	33 21	36 18	40 17	40 32	49.7 28.9	
PARKTON 2 SW	MAX MIN	45 25	54 28	46 33	66 43	49 32	59 28	54 32	60 47	59 26	31 17	33 14	41 17	53 21	37 20	52 20	55 26	44 31	48 29	37 25	33 26	48 32	43 24	47 22	42 23	44 28	43 22	32 16	35 14	36 18	43 32	45.4 25.5	
ROCKVILLE 3 NE	MAX MIN	50 24	56 22	59 33	70 35	68 33	61 24	57 26	68 44	70 35	39 18	42 15	44 10	58 16	55 25	57 19	60 32	54 22	49 33	50 27	38 30	50 34	45 28	48 18	47 20	47 30	48 27	34 22	37 14	35 10	45 32	51.1 23.6	
TOWSON	MAX MIN	49 33	54 32	52 37	69 41	62 31	61 30	56 40	65 48	70 37	47 24	55 18	54 25	53 29	57 30	58 32	50 38	49 33	47 30	40 30	49 34	45 28	49 27	45 30	45 27	42 30	45 26	35 22	37 18	38 26	39 33	50.3 30.5	
UNIONVILLE	MAX MIN	47 22	53 23	47 30	67 44	57 39	58 25	56 25	62 47	61 35	36 23	33 14	42 18	55 17	50 25	53 17	56 21	49 34	48 25	44 22	35 32	48 32	43 23	46 18	40 21	42 35	45 21	32 13	33 11	39 15	41 33	47.1 25.2	
WESTMINSTER 2 SSE	MAX MIN	49 28	54 25	46 34	70 45	58 40	60 28	55 28	68 47	69 36	36 24	35 14	42 18	55 21	49 29	54 22	58 26	49 36	48 30	45 26	35 28	49 29	45 24	48 20	41 25	44 29	47 24	32 17	36 16	40 17	40 33	48.3 27.2	
APPALACHIAN MOUNTAIN 07																																	
CUMBERLAND 2	MAX MIN	54 25	58 28	52 42	70 38	62 28	62 28	56 29	55 43	55 21	31 19	42 20	41 20	55 20	46 28	58 34	60 35	53 32	48 33	43 28	52 29	52 28	49 27	51 23	40 23	40 25	44 21	34 12	38 16	35 25	38 33	48.8 26.8	
FROSTBURG 2	MAX MIN	40 26	44 26	50 36	53 35	63 31	47 30	51 34	58 39	62 38	39 14	20 11	33 12	37 27	44 19	35 11	47 31	52 28	30 23	38 23	33 22	53 23	37 22	39 21	39 26	34 24	31 22	21 9	23 10	28 11	30 20	40.2 23.1	
HAGERSTOWN	MAX MIN	47 31	52 33	46 37	68 39	57 40	60 32	59 35	57 43	58 31	35 20	42 15	42 24	55 27	48 28	57 25	56 32	49 33	49 30	42 30	42 27	46 27	44 26	48 23	40 31	45 25	40 31	31 13	33 12	38 20	39 33	47.0 28.1	
HANCOCK FRUIT LAB	MAX MIN	52 21	48 21	55 39	45 39	64 38	55 22	59 24	47 43	54 42	42 22	29 13	36 20	42 15	53 28	35 17	55 27	57 35	40 30	48 28	36 27	50 28	40 21	46 15	47 18	37 30	38 19	30 13	31 7	35 15	37 30	44.8 24.8	
ALLEGHENY PLATEAU 08																																	
MCHENRY 2 NW	MAX MIN	38 21	47 24	47 34	57 34	58 26	45 26	48 35	56 39	60 30	32 10	16 7	28 11	32 25	40 15	32 17	43 29	48 26	27 21	33 22	30 23	55 29	30 19	35 20	35 25	32 19	28 12	18 7	20 8	33 16	42 32	38.0 22.2	
OAKLAND 1 SE	MAX MIN	49 15	50 23	45 33	62 38	48 28	51 21	53 22	63 45	58 24	26 11	31 8	33 13	43 20	39 12	47 20	52 21	49 26	37 22	34 25	40 25	57 22	38 19	39 25	35 24	35 22	32 19	26 3	32 4	39 12	46 32	42.7 20.8	
SAVAGE RIVER DAM	MAX MIN	43 23	41 22	51 25	44 38	65 32	50 25	51 25	46 27	60 37	38 17	22 12	33 15	36 22	45 12	38 20	48 26	52 29	34 27	40 27	48 25	34 26	38 24	40 23	37 25	34 22	24 11	25 6	27 6	33 19	40.4 22.5		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES

MARYLAND AND DELAWARE
DECEMBER 1978

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		
DELAWARE																																	
NORTHERN 01																																	
MIDDLETOWN 1 WSW	MAX MIN	49 32	53 28	50 33	71 48	69 43	58 31	57 30	69 45	69 40	40 26	33 19	43 21	52 24	51 32	50 24	56 29	47 39	47 42	44 27	52 25	43 29	49 27	47 26	42 28	34 22	35 16	38 19	49.9 29.8				
NEWARK UNIVERSITY FARM	MAX MIN	49 30	53 27	49 32	69 44	67 42	59 29	57 30	65 46	65 38	39 24	33 16	43 30	52 22	48 31	50 24	56 25	51 37	47 34	45 25	33 27	49 30	42 27	47 25	45 23	46 36	46 22	43 27	33 22	36 16	38 20	43 33	48.3 28.8
WILMINGTON WSO AP	MAX MIN	47 30	54 31	50 34	70 44	49 37	59 30	57 32	67 47	65 30	32 19	34 14	44 20	51 22	39 24	50 25	55 28	45 35	47 33	35 23	42 28	50 32	42 26	48 24	47 25	45 31	44 23	36 23	34 18	36 13	37 19	44 34	46.9 27.5
WILMINGTON PORTER RESVR	MAX MIN	48 30	52 31	54 32	69 43	50 38	58 34	55 35	65 45	62 30	33 20	33 16	42 20	50 26	40 24	50 24	50 29	43 32	46 33	34 22	40 26	47 36	41 25	47 27	46 25	45 28	43 23	37 22	32 19	36 15	39 20	45 32	46.2 27.8
SOUTHERN 02																																	
BRIDGEVILLE 1 NW	MAX MIN	47 34	57 26	58 36	70 49	69 45	60 30	61 31	71 46	69 43	43 26	36 16	40 20	53 22	47 31	50 21	57 26	50 39	46 32	44 29	40 28	55 39	44 27	51 24	48 26	59 38	48 24	44 29	33 20	35 17	43 17	51 35	50.9 29.9
DOVER	MAX MIN	53 32	56 33	52 45	71 48	70 43	59 32	58 32	74 47	72 49	52 25	36 17	45 21	55 24	53 31	53 23	58 31	50 38	47 32	47 28	39 29	55 37	44 29	49 28	56 29	50 40	47 30	44 28	35 22	35 18	42 18	46 32	51.7 31.3
GEORGETOWN 5 SW	MAX MIN	52 35	45 25	57 33	67 49	70 45	50 29	62 29	61 36	71 49	66 26	33 14	35 18	46 20	52 33	39 20	51 26	57 40	46 27	46 28	39 27	56 31	57 25	43 24	51 25	60 38	49 25	48 30	35 19	33 17	34 15	45 30	50.2 28.6
LEWES 1 SW	MAX MIN	44 30	59 29	56 34	71 54	66 38	63 32	58 31	73 52	71 34	35 25	37 18	47 22	55 24	40 26	53 24	58 29	51 36	47 33	44 29	49 29	56 32	45 26	50 27	60 27	49 38	49 25	43 26	34 20	32 19	43 19	51 36	51.3 29.8
MILFORD 2 WSW	MAX MIN	48 32	58 25	57 35	71 50	68 43	62 33	61 30	74 50	71 46	46 26	36 14	46 19	55 22	49 32	52 23	59 29	50 40	47 33	45 29	40 28	56 38	45 27	51 26	47 26	57 39	48 24	44 29	35 19	35 16	44 15	51 34	51.9 30.1

SEE REFERENCE NOTES FOLLOWING STATION INDEX

SNOWFALL AND SNOW ON GROUND

MARYLAND AND DELAWARE
DECEMBER 1978

STATION	DAY OF MONTH																																
	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																																	
CENTRAL EASTERN SHORE 02																																	
DENTON 1 S																																	
ROYAL OAK																																	
LOWER SOUTHERN 03																																	
LA PLATA 1 W																																	
UPPER SOUTHERN 04																																	
UPPER MARLBORO 3 NNW																																	
NORTHERN EASTERN SHORE 05																																	
CHESTERTOWN																																	
HILLINGTON																																	
NORTHERN CENTRAL 06																																	
CATOCTIN MOUNTAIN PARK																																	
DAMASCUS 2 SW																																	
PARKTON 2 SW																																	
UNIONVILLE																																	
APPALACHIAN MOUNTAIN 07																																	
CUMBERLAND 2																																	
FROSTBURG 2																																	
HANCOCK FRUIT LAB																																	
ALLEGHENY PLATEAU 08																																	
MCHENRY 2 NW																																	
OAKLAND 1 SE																																	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

SNOWFALL AND SNOW ON GROUND

MARYLAND AND DELAWARE
DECEMBER 1978

STATION		DAY OF MONTH																															
		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	
DELAWARE																																	
NORTHERN 01																																	
NEWARK UNIVERSITY FARM	SNOWFALL SN ON GND																																
WILMINGTON HSD AP	SNOWFALL SN ON GND WTR EQUIV																																
SOUTHERN 02																																	
DOVER	SNOWFALL SN ON GND																																

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND DELAWARE
DECEMBER 1978

STATION	INDEX NO.	DIVISION	COUNTY	DRAINAGE I	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER		
								TEMP.	PRECIP.	EVAP.	SPECIAL (SEE NOTES)			
MARYLAND														
ABERDEEN PHILLIPS FLD	0015	06	HARFORD	1	39 28	76 10	57	5P	5P			H	ROSS AVIATION INC	
ANNAPOLIS POLICE BRKS	0193	04	ANNE ARUNDEL	1	38 59	76 30	25	5P	5P			H	ANNAPOLIS POLICE BRKS	
ASSATEAGUE STATE PARK	0335	01	WORCESTER	2	38 14	75 08	7	5P	5P			H	ASSATEAGUE STATE PARK	
BALTIMORE WSO AP	0465	04	ANNE ARUNDEL	3	39 11	76 40	196	MID	MID			C	NATL WEATHER SERVICE	
BALTIMORE WSO CI	0470	06	BALTO CITY	3	39 17	76 37	91	MID	MID			C	OCMI COMMANDING OFFICER	
BELTSVILLE	0700	04	PRN GEORGES	5	39 02	76 53	120	8A	8A		BAC	H	U S DEPT OF AGRICULTURE	
BENSON POLICE BARRACKS	0732	06	HARFORD	1	39 30	76 23	365	5P	5P				MARYLAND STATE POLICE	
BOYDS 2 NW	1032	06	MONTGOMERY	5	39 13	77 20	580	6P	6P				HUNTER F STALEY	
BRIGHTON DAM	1125	06	MONTGOMERY	4	39 12	77 01	330		MID				WASH SUB SANY COMM	
CAMBRIDGE WTR TRMT PL	1385	02	DORCHESTER	1	38 34	76 04	5	4P	4P			H	WASTEWATER TRTMT PLANT	
CATOCTIN MOUNTAIN PARK	1530	06	FREDERICK	5	39 39	77 29	1610	5P	5P			C	H	CATOCTIN MOUNTAIN PARK
CENTREVILLE	1627	05	QUEEN ANNES	1	39 03	76 03	46	6P	6P			H	MARION G LEIBY	
CHESTERTOWN	1750	05	KENT	1	39 13	76 04	40	11P	11P			H	T W ELIASON JR	
CLARKSVILLE 3 NNE	1862	06	HOWARD	4	39 15	76 56	365	5P	5P				UNIVERSITY OF MARYLAND	
COLLEGE PARK	1995	04	PRN GEORGES	5	38 59	76 57	90	9A	9A			C	H	UNIVERSITY OF MARYLAND
CONOWINGO DAM	2060	06	HARFORD	6	39 39	76 10	40	MID	MID			H	SUSQUEHANNA ELECTRIC CO	
CRISFIELD SOMERS COVE	2215	01	SOMERSET	1	37 59	75 52	8	5P	5P				SOMERS COVE MARINA	
CUMBERLAND 2	2282	07	ALLEGANY	5	39 38	78 45	700	6P	7A			H	TIMOTHY B THOMAS	
DAMASCUS 2 SW	2335	06	MONTGOMERY	5	39 16	77 14	720	7P	7P			H	RICHARD W SCHWERDT	
DENTON 1 S	2523	02	CAROLINE	1	38 53	75 50	20	6P	6P			H	EMORY DOBSON	
EDGEMONT	2770	07	WASHINGTON	5	39 40	77 33	905		7A				JOHN W HARNE	
EMMITSBURG 2 SE	2906	06	FREDERICK	5	39 41	77 18	416	5P	5P			H	MRS LUCILLE K BEALE	
FEDERALSBURG	3090	02	CAROLINE	1	38 41	75 46	20					C	SEWAGE TREATMENT PLANT	
FREDRICK POLICE BRKS	3348	06	FREDERICK	5	39 25	77 26	380	5P	5P			H	MARYLAND STATE POLICE	
FREDERICK 3 E	3355	06	FREDERICK	5	39 24	77 22	385		7A				MISS I MARY STALEY	
FROSTBURG 2	3415	07	ALLEGANY	5	39 40	78 56	2170	7A	7A			H	LEE K CLOSE	
GLENN DALE BELL STA	3675	04	PRN GEORGES	4	38 58	76 48	150	4P	4P			H	USDA PLT INTRODUCT STA	
HAGERSTOWN	3975	07	WASHINGTON	5	39 39	77 44	660	6P	6P				HAGERSTOWN RESERVOIR	
HANCOCK FRUIT LAB	4030	07	WASHINGTON	5	39 42	78 11	428	8A	8A			C	H	U OF MD FRUIT LAB
LA PLATA 1 W	5080	03	CHARLES	5	38 32	77 00	140	6P	6P			H	C RUSSELL LEVERING	
LAUREL 3 W	5111	04	PRN GEORGES	4	39 06	76 54	400	MID	MID				WASH SUB SANY COMM	
MCHENRY 2 NW	5832	08	GARRETT	7	39 35	79 22	2680	8A	8A			C	H	JOSEPH F JOHENNING
MECHANICSVILLE 1 SE	5865	03	ST MARYS	4	38 26	76 43	160	5P	5P				MRS EDITH R BENNETT	
MERRILL	5894	08	GARRETT	5	39 36	79 05	1790		9A				DELWOOD E MERRILL	
MILLINGTON	5985	05	KENT	1	39 16	75 51	30	6P	6P			H	LOUIS H HOLLETT	
NEW GERMANY 2	6410	08	GARRETT	5	39 37	79 08	2480					C	LESTER BITTINGER	
OAKLAND 1 SE	6620	08	GARRETT	7	39 24	79 24	2420	5P	5P			H	LOGAN WEBER	
OWINGS FERRY LANDING	6770	03	CALVERT	4	38 41	76 40	160	5P	5P			H	JAMES E BOURNE JR	
PARKTON 2 SW	6844	06	BALTIMORE	1	39 38	76 42	600	11P	11P			C	H	JOHN R FOX
PATUXENT RIVER	6915	03	ST MARYS	4	38 20	76 25	38	MID	MID			C	NAVAL WEATHER SERVICE	
PERRY POINT	6980	06	CECIL	1	39 33	76 04	40					C	VETERANS ADMINISTRATION	
POCOMOKE CITY	7140	01	WORCESTER	1	38 04	75 33	20	5P	5P			H	FORREST M MOONEY	
POTOMAC FILTER PLANT	7272	06	MONTGOMERY	5	39 02	77 15	270		MID				WASH SANITARY COMM	
PRINCESS ANNE	7330	01	SOMERSET	1	38 13	75 41	20	5P	5P			H	MARYLAND ST COLLEGE FRM	
ROCKVILLE 3 NE	7705	06	MONTGOMERY	5	39 07	77 06	400	4P	4P			H	MD NATL CAPITAL PARK	
ROYAL OAK	7806	02	TALBOT	1	38 43	76 11	10	6P	6P			H	J L SWAINE JR	
SALISBURY	8000	01	WICOMICO	1	38 22	75 35	10	5P	5P				CITY OF SALISBURY	
SALISBURY FAA AP	8005	01	WICOMICO	1	38 20	75 31	48	MID	MID			H	FAA	
SAVAGE RIVER DAM	8065	08	GARRETT	5	39 31	79 08	1495	8A	8A		BAC	H	U S CORPS OF ENGINEERS	
SINES DEEP CREEK	8315	08	GARRETT	7	39 32	79 25	2040					C	PA ELECTRIC COMPANY	
SNOW HILL 4 N	8380	01	WORCESTER	1	38 14	75 23	28	6P	6P			H	CURTIS E SHOCKLEY	
SOLOMONS	8405	03	CALVERT	1	38 19	76 27	12	8A	8A				CHESAPEAKE BIOL LAB	
TOWSON	8877	06	BALTIMORE	3	39 23	76 34	390	6P	6P				BENDIX FRIEZ	
UNIONVILLE	9030	06	FREDERICK	5	39 27	77 11	430	6P	6P			C	H	GEORGE P VON EIFF JR
UPPER MARLBORO 3 NNW	9070	04	PRN GEORGES	4	38 52	76 47	98	8A	8A		BA	H	TOBACCO EXP FARM	
VIENNA	9140	02	DORCHESTER	1	38 29	75 50	12	6P	6P			H	DELMARVA POWER & LIGHT	
WESTMINSTER 2 SSE	9435	06	CARROLL	1	39 33	76 59	860	7P	7A			H	LARRY A MYERS	
WOODSTOCK	9750	06	BALTIMORE	3	39 20	76 52	460	6P	6P			H	JOHN A HILTZ	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND DELAWARE
DECEMBER 1978

STATION	INDEX NO.	DIVISION	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER		
								TEMP.	PRECIP.	EVAP.	SPECIAL (SEE NOTES)			
DISTRICT OF COLUMBIA														
DALECARLIA RESVR D C	2325	04		5	38 56	77 07	146	SP	SP				U S CORPS OF ENGINEERS U S NATL ARBORETUM	
NATIONAL ARBORETUM D C	6350	04		5	38 54	76 59	50	8A	8A			H		
DELAWARE														
BRIDGEVILLE 1 NW	1330	02	SUSSEX	1	38 45	75 37	50	SP	SP				H	WILLIAM M RAY STATE DIV OF HIGHWAYS
DOVER	2730	02	KENT	2	39 09	75 31	30	SP	SP				H	
GEORGETOWN 5 SW	3570	02	SUSSEX	1	38 38	75 27	45	8A	8A			8AC	H	UNIV OF DEL SUBSTATION FREDERICK O VOUL
LEWES 1 SW	5320	02	SUSSEX	2	38 46	75 09	20	6P	MID				H	
MIDDLETOWN 1 WSW	5852	01	NEW CASTLE	2	39 26	75 45	60	4P	4P				H	PIONEER HIBRED CORN CO MRS BERNARD FRANKEL
MILFORD 2 WSW	5915	02	SUSSEX	2	38 54	75 28	30	SP	SP				H	
NEWARK UNIVERSITY FARM	6410	01	NEW CASTLE	2	39 40	75 44	90	SP	SP			SPC	H	UNIV OF DELAWARE NATL WEATHER SERVICE
WILMINGTON WSO AP	9595	01	NEW CASTLE	2	39 40	75 36	79	MID	MID			C	HJ	
WILMGTON PORTER RESVR	9605	01	NEW CASTLE	2	39 46	75 32	274	MID	MID				H	WATER DEPARTMENT

SEE REFERENCE NOTES FOLLOWING STATION INDEX

LATE REPORTS MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND DELAWARE

Station	Temperature											Precipitation											
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days		
										31° or Above	31° or Below	31° or Below	0° or Below					Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
MARYLAND * * * MAY 1978 CRISFIELD SOMERS COVE	71.5M	55.8M	63.7M	- 3.0	86	22	42	2	100	0	0	0	0	3.63	.28	.97	6	.0	0	7	3	0	
* * * AUGUST 1978 CUMBERLAND 2	88.4	65.4	76.9		93	19	54	20	0	14	0	0	0	8.05		4.12	5	.0	0	9	4	2	

See Reference Notes Following Station Index

LATE REPORTS DAILY PRECIPITATION

MARYLAND AND DELAWARE

Station	Total	Day of Month																														
		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																																
* * *																																
MAY 1978																																
CRISFIELD SOMERS COVE	3.63				.40																											
EDGEHONT	7.33					.73	.97	.01	.14	.93				.11	2.17	1.05	1.71	.43	.31	T					.13	.09						
* * *																																
AUGUST 1978																																
CUMBERLAND 2	8.05				.12	4.12	.14	.28	.55		.19	T	.11	.05																.82	T	1.67
* * *																																
OCTOBER 1978																																
MERRILL	1.20				.15		T		.12				.01	.20	T		.27								.02			.40				

See Reference Notes Following Station Index

LATE REPORTS DAILY TEMPERATURES

MARYLAND AND DELAWARE

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	MAX																																
	MIN																																
* * *	MAX																																
	MIN																																
MAY 1978	MAX																																
	MIN																																
CRISFIELD SOMERS COVE	MAX	66	59	61	60	61	57	63	60	78	74	71	72																				
	MIN	44	42	51	48	48	46	48	50	56	57	54	56																				
* * *	MAX																																
	MIN																																
AUGUST 1978	MAX																																
	MIN																																
CUMBERLAND 2	MAX	87	86	93	90	82	87	86	89	89	86	85	85	85	89	91	93	90	91	93	91	85	87	89	91	92	92	90	90	90	88	80	
	MIN	68	68	68	68	68	70	69	63	64	67	68	68	68	68	70	69	70	62	64	66	54	55	58	59	60	64	64	66	70	70	68	62

CORRECTIONS

DATE	TABLE	DIVISION	STATION	CORRECTION
January 1978	Monthly Summarized Station and Divisional Data	Lower Southern 03	Patuxent River	Total precipitation, 6.17. Number of days with precipitation .10 or more, 9.
January 1978	Daily Precipitation	Lower Southern 03	Patuxent River	Total, 6.17. Amount on 6th, .28.
January 1978	Monthly Summarized Station and Divisional Data	Lower Southern 03	Division	Average precipitation, 7.90. Departure from normal, 4.89.
January 1978	Monthly Summarized Station and Divisional Data	Upper Southern 04	Upper Marlboro 3 NNW	Total precipitation, 8.38. Number of days with precipitation .10 or more, 8.
January 1978	Daily Precipitation	Upper Southern 04	Upper Marlboro 3 NNW	Total, 8.38. Amount on 13th, .00.
January 1978	Snowfall and Snow on Ground	Upper Southern 04	Upper Marlboro 3 NNW	Snowfall on 13th, 0; 14th, 2.5. Snow on the ground on 13th, 0; 14th, 3.
January 1978	Monthly Summarized Station and Divisional Data	Upper Southern 04	Division	Average precipitation, 7.75. Departure from normal, 4.96.
February 1978	Monthly Summarized Station and Divisional Data	Central Eastern Shore 02	Vienna	Total precipitation, 1.29. Greatest days of precipitation, .60; date, 6th. Number of days with precipitation .10 or more, 4; .50 or more, 1.
February 1978	Daily Precipitation	Central Eastern Shore 02	Vienna	Total, 1.29. Amount on 6th, .60; 7th, .20.
February 1978	Monthly Summarized Station and Divisional Data	Central Eastern Shore 02	Division	Average precipitation, 1.10. Departure from normal, -1.72.
March 1978	Monthly Summarized Station and Divisional Data	Central Eastern Shore 02	Vienna	Total precipitation, 6.48. Number of days of precipitation .10 or more, .10; .50 or more, 5; 1.00 or more, 3.
March 1978	Daily Precipitation	Central Eastern Shore 02	Vienna	Total, 6.48. Amount on 3d, .20; 4th, .05; 8th, .22; 10th, .50; 11th, .00.
March 1978	Monthly Summarized Station and Divisional Data	Central Eastern Shore 02	Division	Average precipitation, 6.88. Departure from normal, 3.05.
March 1978	Monthly Summarized Station and Divisional Data	Allegheny Plateau 08	Oakland 1 SE	Total precipitation, 2.33. Departure from normal, -2.35. Greatest day of precipitation, .75; date, 26th. Number of days with precipitation .50 or more, 1.
March 1978	Daily Precipitation	Allegheny Plateau 08	Oakland 1 SE	Total, 2.33. Amount on 25th, .18.
March 1978	Monthly Summarized Station and Divisional Data	Allegheny Plateau 08	Division	Average precipitation, 2.61. Departure from normal, -1.72.
April 1978	Monthly Summarized Station and Divisional Data	Northern Central 06	Damascus 2 SW	Total snowfall, T. Maximum depth of snow on ground, T; date, 2d.
April 1978	Snowfall and Snow on Ground	Northern Central 06	Damascus 2 SW	Snowfall on 2d, T. Snow on the ground on the 2d, T.
DELAWARE				
DATE	TABLE	DIVISION	STATION	CORRECTION
May 1978	Monthly Summarized Station and Divisional Data	Southern 02	Lewes 1 SW	Average maximum temperature, 67.7. Average temperature, 59.3. Total degree days, 199.
May 1978	Daily Temperatures	Southern 02	Lewes 1 SW	Maximum on 22d, 70; 27th, 62; 28th, 64; 29th, 64. Average maximum, 67.7.
May 1978	Monthly Summarized Station and Divisional Data	Southern 02	Division	Average temperature, 61.4. Departure from normal, -2.2.
July 1978	Monthly Summarized Station and Divisional Data	Southern 02	Lewes 1 SW	Average maximum temperature, 81.5. Average minimum temperature, 64.7. Average temperature, 73.1. Total precipitation, 4.64.
July 1978	Daily Precipitation	Southern 02	Lewes 1 SW	Total, 4.64. Amount on 31st, .21.
July 1978	Daily Temperatures	Southern 02	Lewes 1 SW	Maximum on 31st, 86. Minimum on 31st, 66. Average maximum, 81.5. Average minimum, 64.7.
July 1978	Monthly Summarized Station and Divisional Data	Southern 02	Division	Average precipitation, 5.08. Departure from normal, .51.

REFERENCE NOTES

MARYLAND AND DELAWARE

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

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. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F. In "Supplemental Data" table directions entered in figures are tens of degrees. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations.

OBSERVATION TIME: The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time. Snow on ground in the "Snowfall and Snow on Ground" table is at observation time for all except National Weather Service Offices and FAA stations. For these stations snow on ground values are at 7:00 a.m., e.s.t. Data in the "Extremes" table, "Daily Precipitation" table, "Daily Temperature" table, "Evaporation and Wind" table, and snowfall in the "Snowfall and Snow on Ground" table, when published, are for the 24 hours ending at time of observation.

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 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.

WATER EQUIVALENT values published in the "Snowfall and Snow on Ground" table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record. Time of observation: 1:00 p.m., e.s.t.

SNOWFALL: Entries of snowfall in the "Monthly Summarized Data" table, the "Snowfall and Snow on Ground" table, and in the "Seasonal Snowfall" table, include snow and sleet. Entries of snow on ground include snow, sleet, and ice.

NORMALS for all stations are climatological standard normals based on the period 1941-1970.

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 directions from the post office.

SEASONAL TABLES: Monthly and seasonal snowfall and heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

LATE REPORTS AND CORRECTIONS will be carried only in the June and December issues of this bulletin.

INTERPOLATED VALUES for monthly precipitation totals may be found in the annual issue of this publication.

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

- No record in the "Supplemental Data" table, "Daily Precipitation" table, "Evaporation and Wind" table, "Snowfall and Snow on Ground" table, "Daily Soil Temperatures" table.
- No record in the "Monthly Summarized Data" table and the "Daily Temperature" table is indicated by no entry.
- + And also on an earlier date or dates.
- ++ Highest observed one minute windspeed. This station is not equipped with an instrument to measure fastest mile data.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windshield.
- ‡ Extreme occurred at station with incomplete data which may have been exceeded.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- T Trace, an amount too small to measure.
- V Includes total for previous month.

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

- AR This entry in time of observation column in Station Index means after rain.
- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in the "Hourly Precipitation Data" bulletin. If daily amounts are published in "Climatological Data" bulletin they are from a separate non-recording gage, except where indicated by reference 'R'. Such amounts may differ from amounts published from the recording gage in the "Hourly Precipitation Data" bulletin.
- G "Soil Temperature" table.
- H "Snowfall and Snow on Ground" table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" table.
- SS This entry in time of observation column in Station Index means observations made near sunset.
- VAR This entry in time of observation column in Station Index means variable.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, this 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-YOUGHIOGHEVY

Stations appearing in the tables with no data were either missing or received too late to be included in this issue.

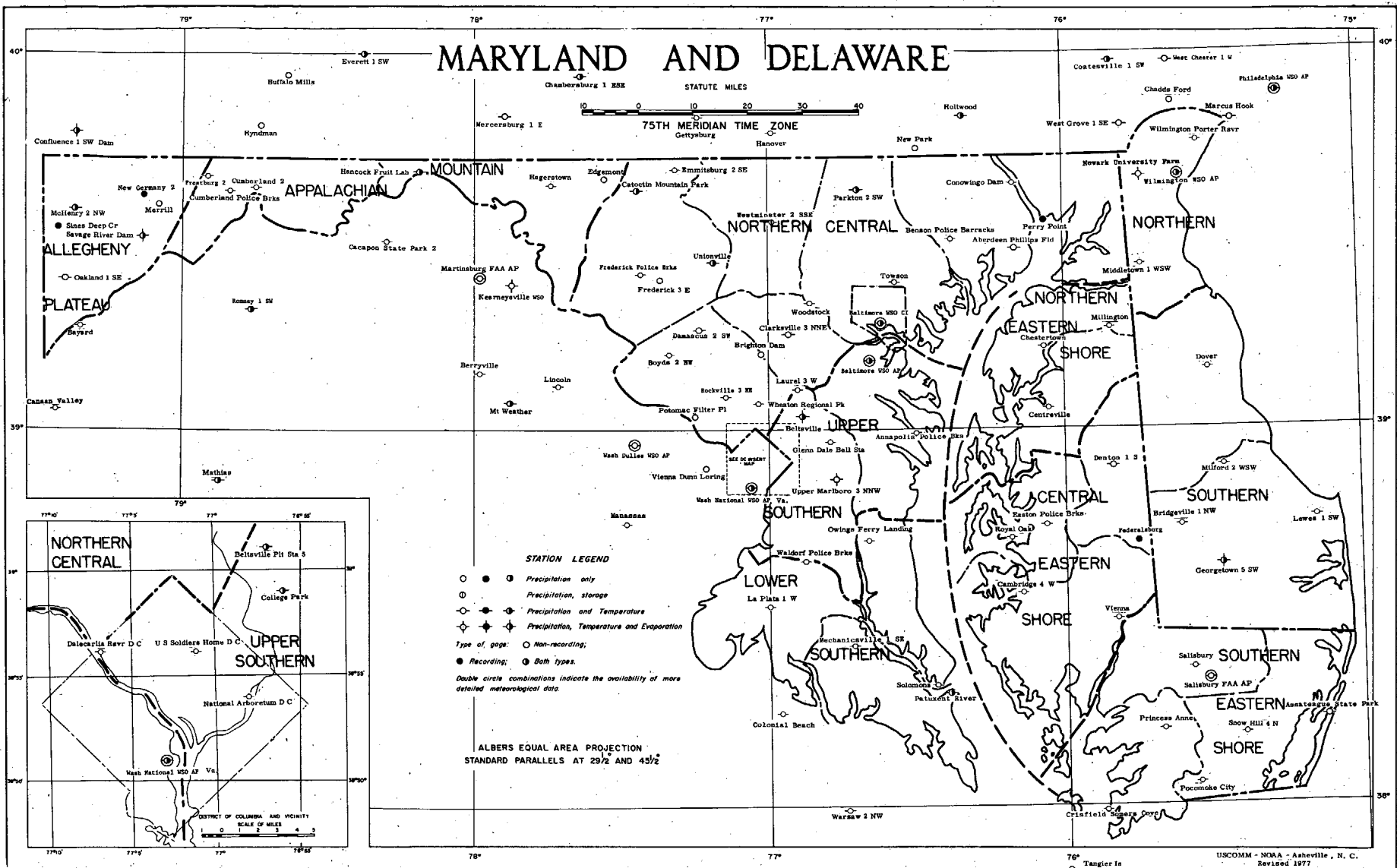
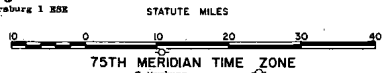
General weather conditions in the U.S. for each month are described in the CLIMATOLOGICAL DATA NATIONAL SUMMARY and STORM DATA.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for these States, price 25 cents. Similar information for regular National Weather Service Offices may be found in the latest annual issue of Local Climatological Data, price 15 cents. Note minimum charge and ordering instructions below.

Subscription Price: \$5.10 per year for each section including annual summary; \$8.00 additional for foreign mailing; 40¢ single copy; 30¢ annual summary. There is a minimum charge of \$2.00 for each order of shelf-stocked issues of publications. 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. 1979-940

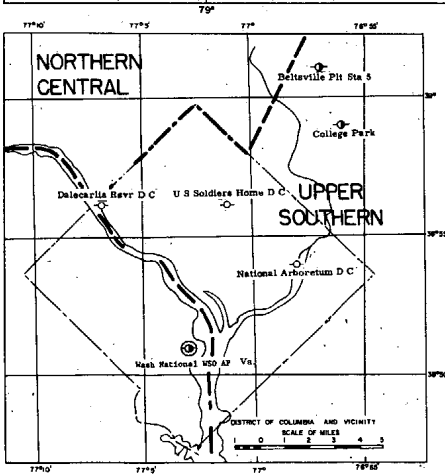
MARYLAND AND DELAWARE



STATION LEGEND

- ● ○ Precipitation only
- ○ ○ Precipitation, storage
- ● ○ Precipitation and Temperature
- ● ○ Precipitation, Temperature and Evaporation
- Type of page: ○ Non-recording; ● Recording; ○ Both types.
- Double circle combinations indicate the availability of more detailed meteorological data.

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