

# Climatological Data

MARYLAND AND DELAWARE

## TEMPERATURE AND PRECIPITATION EXTREMES

HIGHEST TEMPERATURE:	2 STATIONS		93	DATE 19+
LOWEST TEMPERATURE:	OAKLAND 1 SE	MD.	28	DATE 29
GREATEST TOTAL PRECIPITATION:	FREDERICK 3 E	MD.	3.79	
LEAST TOTAL PRECIPITATION:	PATUXENT RIVER	MD.	.09	
GREATEST 1 DAY PRECIPITATION:	FREDERICK 3 E	MD.	2.57	DATE 13

## 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 EASTERN				TRACE	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 AND OVER	TOTAL				
							01	07	13	19											
BALTIMORE WSO AP MD	29	0.9	7.0	19	E	19+	81	84	58	67	2	2	2	1	0	0	7	63	4.6		
WILMINGTON WSO AP DEL	35	0.7	7.6	21++	32	12	81	81	55	67	2	3	3	2	0	0	10	-	4.7		

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NATIONAL CLIMATIC CENTER



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  
SEPTEMBER 1978

Table with columns: STATION, TEMPERATURE (Average Max/Min/Avg, Departure from Normal, Highest, Date, Lowest, Date, Degree Days), and PRECIPITATION (Total, Departure from Normal, Greatest Dry, Date, Snow/Sleet, No. of Days). Includes station names like SOUTHERN EASTERN SHORE, CENTRAL EASTERN SHORE, LOWER SOUTHERN, UPPER SOUTHERN, and NORTHERN CENTRAL.

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND DELAWARE  
SEPTEMBER 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	GREATEST DAY DATE	SNOW, SLEET		NO. OF DAYS			
								50° OR ABOVE	32° OR ABOVE	50° OR BELOW	32° OR BELOW				TOTAL	MAX. DEPTH ON GROUND	DATE	-1.0 OR MORE	-0.50 OR MORE	1.00 OR MORE
■ ■ ■ ■ ■ APPALACHIAN MOUNTAIN 07 CUMBERLAND 2 FROSTBURG 2 HAGERSTOWN HANCOCK FRUIT LAB DIVISION	82.3 72.7 79.1 77.1	57.3 52.7 58.1 56.6	69.8 62.7 68.6 66.9	1.5	92 18+ 83 22+ 89 18 88 19	37 29+ 34 30 40 29 33 29	46 127 42 75	5 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	1.84 2.24 1.59 1.78	-1.28	.98 13 1.06 13 .50 1 .63 13	-0 0 0 0	0 0 0 0	2 2 4 7	0 1 2 1	0 0 0 0	
■ ■ ■ ■ ■ ALLEGHENY PLATEAU 08 MCHENRY 2 NW OAKLAND 1 SE SAVAGE RIVER DAM DIVISION	72.2 73.8 74.9	53.7 52.0 52.9	63.0 62.9 63.9	3.3	82 11 84 20 85 22+	37 29 28 29 32 30+	117 119 106	0 0 0	0 0 0	0 1 2	0 0 0	2.55 1.51 2.05	-1.58	.78 13 .73 13 1.01 13	-0 0 0	0 0 0	5 3 4	2 1 2	0 0 1	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND DELAWARE  
SEPTEMBER 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	GREATEST DAY DATE	SNOW, SLEET			NO. OF DAYS				
								MAX.	MIN.	1/4" OR BELOW	1/2" OR BELOW				3/4" OR BELOW	1.00" OR BELOW	TOTAL	MAX. DEPTH ON GROUND	DATE	1.00 OR MORE	.50 OR MORE	1.00 OR MORE
DELAWARE																						
NORTHERN                      01																						
MIDDLETOWN 1 WSW	79.4M	54.8M	67.1M		88 19	36 29	60	0	0	0	0	0	-.56		.47 13		0		1	0	0	
NEWARK UNIVERSITY FARM	79.6	55.7	67.7	-.3	88 18+	38 30+	56	0	0	0	0	0	1.73	- 1.61	1.00 13	.0	0	0	3	1	0	
WILMINGTON WSO AP	76.9	56.4	66.7	- 1.2	89 7	41 30+	60	0	0	0	0	0	2.18	- 1.24	.59 1	.0	0	0	5	2	0	
WILMGTN PORTER RESVR	76.0	55.1	65.6	- 1.6	85 18+	40 29	69	0	0	0	0	0	2.14	- 1.20	.83 1	.0	0	0	3	2	0	
DIVISION																						
66.8    - .9																						
SOUTHERN                      02																						
BRIDGEVILLE 1 NW DOVER	80.4	55.1	67.8	-.4	90 18	37 29	52	1	0	0	0	0	-.90	- 2.56	.42 1	.0	0	0	2	0	0	
GEORGETOWN S SW	79.5	54.9	67.2		91 19	36 27	70	1	0	0	0	0	-.60		.50 1	.0	0	0	1	1	0	
LEMES 1 SW	77.6	58.3	68.0		88 18+	41 30	40	0	0	0	0	0	-.53		.47 13	.0	0	0	1	1	0	
MILFORD 2 WSW	81.2	56.3	68.8		91 18	37 30	44	1	0	0	0	0	1.70		1.58 1	.0	0	0	1	1	1	
DIVISION																						
68.0    - .6																						

SEE REFERENCE NOTES FOLLOWING STATION INDEX



# DAILY PRECIPITATION

MARYLAND AND DELAWARE  
SEPTEMBER 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			
<b>DELAWARE</b>																																			
* * *																																			
NORTHERN 01																																			
MIDDLETOWN 1 MSW	.56												.47	T																					
NEWARK UNIVERSITY FARM	1.73	.47											1.00	.02	T																				
WILMINGTON HSB RP	2.18	.58						.12	T				.57	.01	.02																				
WILMINGTON PORTER RESVR	2.14	.83							.07				.48		.03																			T	
* * *																																			
SOUTHERN 02																																			
BRIDGEVILLE 1 NW	.80	.42												.41	T																				
DOVER	-	-																																	
DEBONETOWN 8 SW	.60	.50	.01																																
LEWES 1 SW	.53	.02																																	
MILFORD 2 MSW	1.70	1.58	T											.47	.06	.03	T	T																	

SEE REFERENCE NOTES FOLLOWING STATION INDEX







# DAILY TEMPERATURES

MARYLAND AND DELAWARE  
SEPTEMBER 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 83			82	86	87	86	76	74	83	87	86	72	76	85	83	86	88	78	82	82	74	71	77	74	72	73	71	71				79.4	
	MIN 63			52	57	68	64	59	51	51	68	57	50	55	58	60	63	63	59	56	65	58	43	52	44	40	49	36	38				54.8	
NEWARK UNIVERSITY FARM	MAX 83	82	82	82	83	87	88	85	78	77	85	86	85	70	76	85	84	88	87	77	82	81	71	71	75	74	71	71	69	72			79.6	
	MIN 62	59	58	62	54	59	68	60	58	50	61	69	56	50	56	60	60	62	62	59	57	65	57	45	52	45	41	47	38	38			55.7	
WILMINGTON WSO RP	MAX 78	81	83	79	83	86	89	75	78	74	84	85	70	70	76	84	78	86	75	76	81	79	70	70	76	65	68	72	66	71			76.9	
	MIN 64	61	60	60	54	62	71	59	57	55	65	62	57	52	59	60	63	66	58	58	59	61	52	46	53	45	44	47	41	41			56.4	
WILMINGTON PORTER RESVR	MAX 76	80	81	83	82	85	85	77	75	77	81	85	68	70	75	83	76	85	74	77	80	78	69	68	74	64	68	70	65	70			76.0	
	MIN 62	59	59	62	57	62	61	54	54	51	66	60	54	52	60	60	64	64	57	56	57	59	50	46	53	44	43	50	40	41			55.1	
. . .																																		
SOUTHERN 02																																		
BRIDGEVILLE 1 NW	MAX 73	80	82	82	83	87	88	84	81	79	83	87	84	70	77	85	83	90	86	80	85	83	78	73	79	77	75	77	68	73			80.4	
	MIN 65	56	56	61	52	56	67	64	66	51	62	69	59	50	50	58	62	64	65	54	52	63	59	43	48	41	39	47	37	38			55.1	
DOVER	MAX MIN																																	
GEORGETOWN 5 SW	MAX 87	74	79	82	80	83	88	88	77	81	79	83	86	69	70	78	87	83	91	88	79	85	86	65	72	78	69	74	77	68			79.5	
	MIN 70	55	54	61	51	55	65	66	67	51	62	67	61	49	51	59	61	64	70	53	50	62	59	42	48	44	36	39	37	37			54.9	
LEMES 1 SW	MAX 72	77	82	73	83	86	87	76	75	74	84	88	75	68	79	87	78	88	84	72	84	84	70	68	74	68	68	75	74	75			77.6	
	MIN 67	67	56	56	55	59	65	68	66	65	64	69	60	57	53	62	65	66	61	60	54	65	60	52	49	50	42	49	47	41			58.3	
MILFORD 2 WSW	MAX 77	80	84	82	84	88	88	85	80	77	85	88	84	71	78	88	84	91	87	82	86	86	80	71	80	75	72	78	71	73			81.2	
	MIN 65	57	55	61	52	57	68	68	63	50	63	69	56	56	53	60	64	65	64	55	58	65	60	43	49	45	38	47	45	37			56.3	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# EVAPORATION AND WIND

MARYLAND AND DELAWARE  
SEPTEMBER 1978

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	EVAP	.07	-	-.22	-.20	-.17	-.18	-.21	-.12	-.18	-.06	-.11	-.23	-.13	-.05	-.13	-.25	-.16	-.13	-.26	-.12	-.07	-	-	-.12	-.10	-.15	-.12	-.14	-		4.458
	WIND	11	5	10	8	4	7	7	16	12	11	15	26	20	25	34	27	35	20	10	41	8	21	12	20	12	10	15	20	16	-	4948
	MAX	86	82	90	92	91	93	95	92	96	90	91	90	94	77	71	85	89	89	95	97	85	87	83	95	77	86	80	79	81	-	87.5
	MIN	73	63	64	64	63	63	66	70	70	66	63	67	66	59	59	63	61	62	70	63	62	65	62	58	58	53	51	52	50	-	62.3
UPPER MARLBORO 3 NNW																																
	EVAP	.07	.05	-.16	-.15	-.16	-.19	-.17	-.20	-.13	-.15	-.10	-.16	-.20	-.10	-.10	-.10	-.20	-.13	-.11	-.23	-.14	-.10	-.13	-.06	-.09	-.18	-.15	-.11	-.16	-.14	4.16
	WIND	12	19	10	10	15	7	8	17	10	12	14	26	24	21	11	13	13	9	7	31	5	13	55	20	6	23	8	21	29	16	485
	MAX	86	79	89	90	91	93	94	93	91	88	78	91	95	78	76	88	93	91	97	94	86	87	83	70	75	80	78	78	78	75	85.5
	MIN	70	61	61	64	61	61	64	67	70	62	61	65	63	57	57	61	63	64	67	62	62	63	60	54	54	51	49	49	45	45	59.8
■ ■ ■																																
ALLEGHENY PLATEAU 08																																
SAVAGE RIVER DAM	EVAP	.08	-.22	-.15	-.07	-.25	-.20	-.10	-.28	-.06	-.18	-.15	-.14	-.28	-	-.10	-.15	-.10	-.12	-.15	-.10	-.11	-.03	-.10	-.15	-	-.10	-.10	-.10	-.17	-.08	4.158
	WIND	40	28	26	40	46	24	34	60	68	39	22	18	30	42	41	35	24	13	39	55	31	25	41	20	32	39	28	30	58	22	1050
	MAX	81	88	84	83	80	87	88	84	86	84	83	85	85	78	60	80	71	79	88	84	84	87	72	63	72	76	73	75	67	71	79.3
	MIN	61	58	58	61	51	55	60	65	67	63	62	64	63	54	54	56	60	55	64	64	67	67	52	52	56	40	45	45	40	38	56.6

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# EVAPORATION AND WIND

MARYLAND AND DELAWARE  
SEPTEMBER 1978

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	
DELAWARE																																
■ ■ ■																																
NORTHERN           01																																
NEWARK UNIVERSITY FARM	EVAP	.04	.18	.09	.28	.16	.25	.20	.02	.26	.16	.01	.22	.14	.16	.13	.10	.04	.10	.23	.10	.12	.07	.15	.10	.09	.18	.10	.13	.03	.25	4.09
	WIND	10	7	14	30	19	11	31	26	21	17	10	5	35	19	7	11	1	0	3	13	10	8	27	4	21	14	7	20	11	13	426
	MAX	86	89	87	86	87	90	90	87	83	83	88	90	90	75	75	87	86	89	90	86	86	85	75	72	76	77	74	75	71	70	82.8
	MIN	72	63	64	66	64	71	73	64	67	59	68	74	63	58	63	70	69	71	69	64	66	72	66	59	60	54	52	56	48	54	64.0
■ ■ ■																																
SOUTHERN           02																																
GEORGETOWN 5 SW	EVAP	.26	.08	.20	.18	.18	.22	.17	.25	.10	.18	.19	.18	.25	.04	.21	.17	.24	.10	.20	.19	.17	.24	.19	.11	.10	.23	.11	.18	.18	.20	5.30
	WIND	79	50	25	40	39	32	41	68	71	40	55	120	86	72	43	58	54	31	57	71	28	58	131	50	26	60	36	28	71	38	1658

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# STATION INDEX

MARYLAND AND DELAWARE  
SEPTEMBER 1978

STATION	INDEX NO.	DIVISION	COUNTY	DRAINAGE	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 H J	NATL WEATHER SERVICE
BALTIMORE WSO CI	0470	06	BALTO CITY	3	39 17	76 37	91	MID	MID			C C	OCMI COMMANDING OFFICER
BELTSVILLE	0700	04	PRN GEORGES	5	39 02	76 53	120	8A	8A			BAC H	U S DEPT OF AGRICULTURE
BELTSVILLE PLANT STA 5	0705	04	PRN GEORGES	5	39 01	76 57	100	9A	9A			C	U S DEPT OF ARGICULTURE
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	6P	6P			H	WASTEWATER TRMT 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 SHAIN 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	4P	4P				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			BAC	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  
SEPTEMBER 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	5P	5P				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	5P	5P			H	WILLIAM M RAY
DOVER	2730	02	KENT		2 39 09	75 31	30	5P	5P			H	STATE DIV OF HIGHWAYS
GEORGETOWN 5 SW	3570	02	SUSSEX		1 38 38	75 27	45	8A	8A	8AC		H	UNIV OF DEL SUBSTATION
LEWES 1 SW	5320	02	SUSSEX		2 38 46	75 09	20	6P	MID			H	FREDERICK O VOGL
MIDDLETOWN 1 WSW	5852	01	NEW CASTLE		2 39 26	75 45	60	4P	4P			H	PIONEER HIBRED CORN CO
MILFORD 2 WSW	5915	02	SUSSEX		2 38 54	75 28	30	5P	5P			H	MRS BERNARD FRANKEL
NEWARK UNIVERSITY FARM	6410	01	NEW CASTLE		2 39 40	75 44	90	5P	5P		SPC	H	UNIV OF DELAWARE
WILMINGTON WSO AP	9595	01	NEW CASTLE		2 39 40	75 36	79	MID	MID		C	HJ	NATL WEATHER SERVICE
WILMGTON PORTER RESVR	9605	01	NEW CASTLE		2 39 46	75 32	274	MID	MID			H	WATER DEPARTMENT

SEE REFERENCE NOTES FOLLOWING STATION INDEX

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 the ground in the "Snowfall and Snow on Ground" table is at observation time for all except 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 direction 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; and the Station Index.
- 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 observation 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-YOUGHIOGHENY

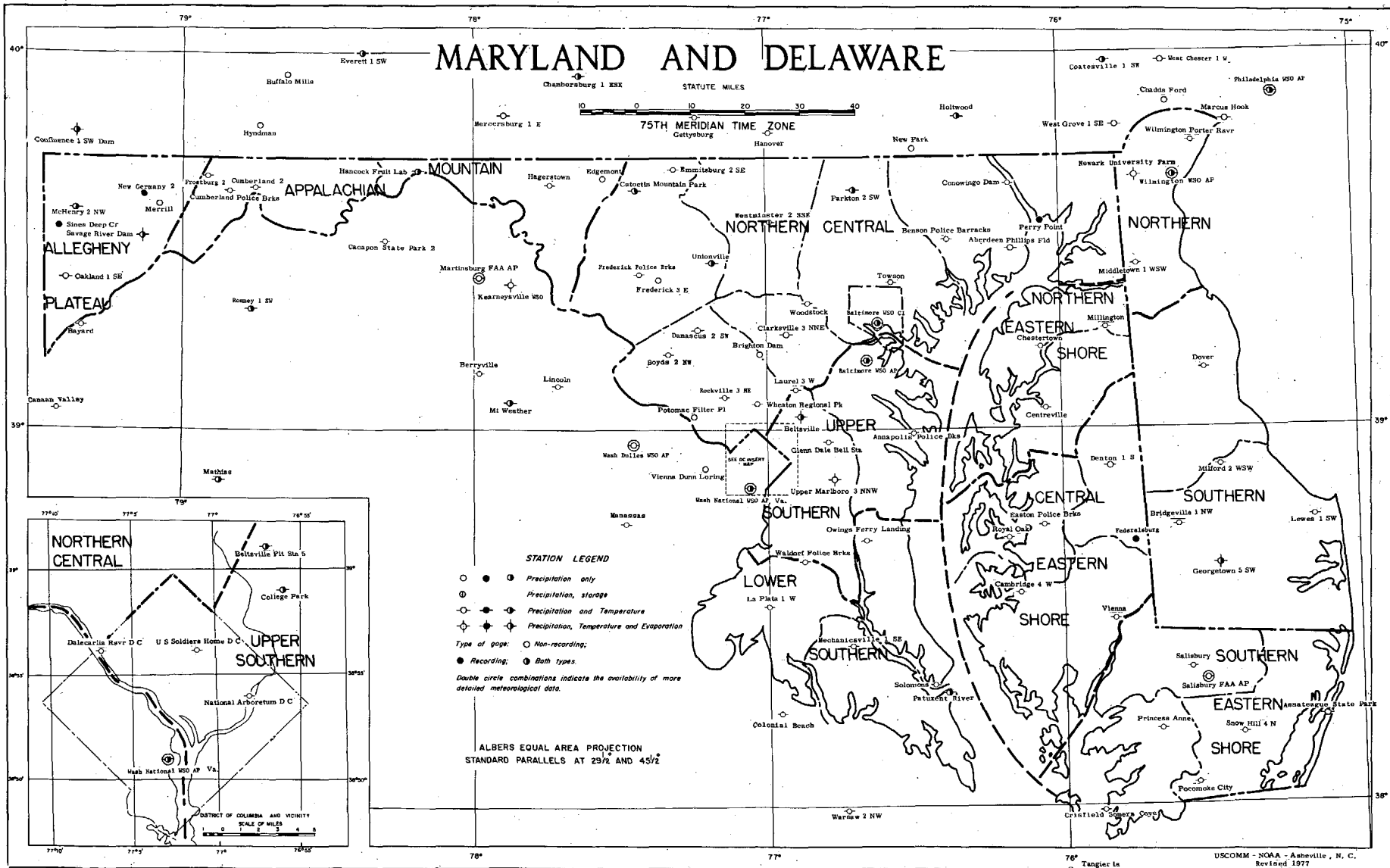
Stations appearing in the tables with no data were either missing or received too late to be included in this issue.

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 this State, price 25 cents. Similar information for regular National Weather Service Offices may be found in the latest annual issue of Local Climatological Data, price 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, NC 28801. Attn: Publications.

USCOMM-NOAA-ASHEVILLE, N.C. 1978-940



# MARYLAND AND DELAWARE

STATUTE MILES  
0 10 20 30 40

75TH MERIDIAN TIME ZONE  
Gettysburg

**STATION LEGEND**

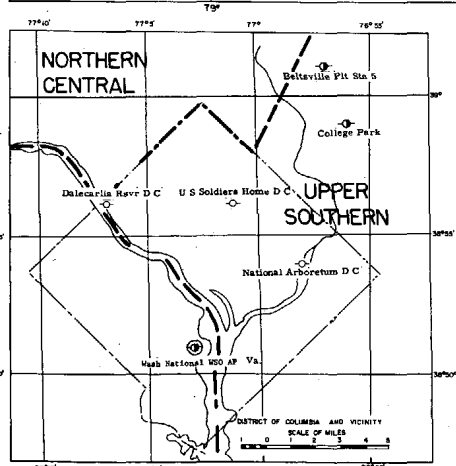
- ● ● Precipitation only
- ● ● Precipitation, storage
- ● ● Precipitation and Temperature
- ● ● Precipitation, Temperature and Evaporation

Type of gage: ○ Non-recording;  
● Recording; ● Both types.

Double circle combinations indicate the availability of more detailed meteorological data.

**ALBERS EQUAL AREA PROJECTION**  
STANDARD PARALLELS AT 29½ AND 45½

USCOMM - NOAA - Asheville, N. C.  
Revised 1977



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