

# Climatological Data



MARYLAND AND DELAWARE

## TEMPERATURE AND PRECIPITATION EXTREMES

HIGHEST TEMPERATURE:	DOVER	DEL.	102	DATE 06
LOWEST TEMPERATURE:	OAKLAND 1 SE	MD.	41	DATE 25+
GREATEST TOTAL PRECIPITATION:	NEWARK UNIVERSITY FARM	DEL.	7.85	
LEAST TOTAL PRECIPITATION:	BELTSVILLE	MD.	2.06	
GREATEST 1 DAY PRECIPITATION:	PRINCESS ANNE	MD.	3.32	DATE 15

## SUPPLEMENTAL DATA

	WIND (SPEED - M.P.H.)							RELATIVE HUMIDITY AVERAGES - PERCENT				NUMBER OF DAYS WITH PRECIPITATION							PERCENT OF POSSIBLE SUNSHINE	AVERAGE (TENTHS) SKY COVER	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								EASTERN			
BALTIMORE WSO AP MD	24	2.8	6.5	33	NW	05	84	88	57	67	8	4	1	2	1	0	16	59	6.2		
WILMINGTON WSO AP DEL	24	3.3	7.1	29++	30	17	79	79	57	67	3	3	6	3	1	0	16	-	6.4		

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DIRECTOR  
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**noaa**

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





MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND DELAWARE  
AUGUST 1977

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.						TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	MAX. DEPTH ON GROUND	DATE	-1.0 OR MORE	.50 OR MORE	1.00 OR MORE
										30° OR MORE BELOW	32° OR BELOW	34° OR BELOW	36° OR BELOW													
DELAWARE																										
NORTHERN 01																										
MIDDLETOWN 1 WSW	85.9	64.7	75.3		95	6	49	26	3	10	0	0	0	3.01		.55	9	.0	0		7	2	0			
NEWARK UNIVERSITY FARM	85.6	64.6	75.1	1.6	94	6	50	26	3	10	0	0	0	7.85	3.72	1.92	22	.0	0		10	7	9			
WILMINGTON WSO AP	84.0	66.7	75.4	1.3	94	6	52	25	1	1	0	0	0	4.82	.84	1.39	10	.0	0		10	4	1			
WILMINGTON PORTER RESVR	83.8	65.1	74.6	1.1	93	6	52	26	2	1	0	0	0	6.38	1.87	1.53	22	.0	0		11	4	2			
DIVISION			76.1	1.2										5.52	1.36			.0								
SOUTHERN 02																										
BRIDGEVILLE 1 NW	89.2	66.4	77.8	3.6	99	7	48	26	0	17	0	0	0	3.19	- 1.67	.73	24	.0	0		8	2	0			
DYER	86.4	67.6	78.0	2.8	102	8	51	26	0	16	0	0	0	3.71	- 1.06	1.02	10	.0	0		7	2	0			
GEORGETOWN 5 SW	88.1	65.5	76.8		98	8	47	26	4	14	0	0	0	3.02		1.36	15	.0	0		5	2	0			
LEMES 1 SW	86.7	66.8	76.8		99	12	50	26	2	12	0	0	0	3.71		1.71	14	.0	0		6	2	0			
MILFORD 2 WSW	89.4	66.2	77.8		101	7	48	26	1	17	0	0	0	3.40		1.36	14	.0	0		6	2	1			
DIVISION			77.4	2.8										3.41	- 1.41			.0								

SEE REFERENCE NOTES FOLLOWING STATION INDEX



# DAILY PRECIPITATION

MARYLAND AND DELAWARE  
AUGUST 1977

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																																				
MIDDLETOWN 1 WSW	3.01																																			
NEWARK UNIVERSITY FARM	7.89	.03	.07	.08	.05																															
WILMINGTON HSD AP	4.82	.14	.37																																	
WILMINGTON PORTER RESVR	6.38	.14	.40	.01	T	T																														
* * * * *																																				
SOUTHERN 02																																				
BRIDGEVILLE 1 NW	3.19	.25	.06	.01																																
DOVER	3.71	.13	T																																	
GEORGETOWN 5 SW	3.02	.27	.02	.19																																
LEWES 1 SW	3.71	.07	.17																																	
MILFORD 2 WSW	3.40	T	.09	T																																

SEE REFERENCE NOTES FOLLOWING STATION INDEX



DAILY TEMPERATURES

MARYLAND AND DELAWARE  
AUGUST  
1977

Table with columns: STATION, DAY OF MONTH (1-31), and AVERAGE. Rows include stations like CENTREVILLE, CHESTERTOWN, MILLINGTON, ABERDEEN PHILLIPS FLD, BALTIMORE WSO CI, BENSON POLICE BARRACKS, BOYDS 2 NW, CATOCTIN MOUNTAIN PARK, CLARKSVILLE 3 NNE, CONWINGO DAM, DAMASCUS 2 SW, EMMITSBURG 2 SE, FREDRICK POLICE BRKS, PARKTON 2 SW, ROCKVILLE 3 NE, TOWSON, UNIONVILLE, WESTMINSTER 2 SSE, WHEATON REGIONAL PARK, WOODSTOCK, CUMBERLAND 2, CUMBERLAND POLICE BRKS, FROSTBURG 2, HADERSTOWN, HANCOCK FRUIT LAB, WESTERNPORT UPRC, MCHENRY 2 NW, OAKLAND 1 SE, SAVAGE RIVER DAM.

SEE REFERENCE NOTES FOLLOWING STATION INDEX



# DAILY TEMPERATURES

MARYLAND AND DELAWARE  
AUGUST 1977

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	88 69	85 61	84 67	89 66	93 67	95 69	94 72	91 69	92 71	89 70	90 69	88 70	81 71	81 72	81 68	85 68	87 69	79 60	78 52	79 58	79 52	84 68	85 61	82 63	75 51	78 49	86 58	91 64	91 65	93 69	91 68	85.9 64.7
NEWARK UNIVERSITY FARM	MAX MIN	89 67	85 65	85 65	89 69	93 67	94 71	91 71	92 71	91 70	89 68	90 70	88 70	83 70	82 69	82 69	83 68	86 69	80 60	78 51	78 59	78 50	83 63	82 61	82 62	75 51	80 50	86 58	90 64	90 66	90 69	90 70	85.6 64.6
WILMINGTON WSO AP	MAX MIN	89 68	85 66	82 70	88 71	93 72	94 73	93 73	92 73	87 71	86 72	89 71	82 72	81 72	80 71	81 71	83 70	85 67	76 58	77 54	77 59	76 53	82 67	81 63	80 62	75 52	77 53	82 62	86 67	86 70	91 70	87 73	84.0 66.7
WILMINGTON PORTER RESVR	MAX MIN	85 67	84 61	82 64	89 69	92 70	93 73	91 72	90 72	85 70	86 69	87 70	81 70	91 69	80 69	82 69	83 67	83 67	75 62	80 55	76 58	77 54	82 59	81 62	80 61	74 52	77 52	82 59	87 86	88 69	89 71	86 70	83.8 65.1
SOUTHERN 02																																	
BRIDGEVILLE 1 NW	MAX MIN	91 68	88 64	86 70	90 70	97 70	98 72	99 72	95 71	94 73	95 72	94 72	95 75	94 70	93 72	85 70	87 68	82 74	84 65	82 52	80 57	81 54	85 69	86 66	82 65	79 53	82 48	85 58	90 66	90 67	93 68	92 68	89.2 66.4
DOVER	MAX MIN	91 70	90 64	88 70	92 71	98 70	102 74	99 79	97 75	94 73	91 70	93 72	94 75	87 73	90 74	82 71	84 69	88 69	80 65	79 57	78 58	85 55	83 69	84 66	84 66	78 55	78 51	85 60	91 68	91 69	92 70	91 68	88.4 67.6
GEORGETOWN 5 SW	MAX MIN	90 68	89 62	88 66	85 68	90 67	95 71	97 71	98 71	94 70	93 70	97 73	95 75	97 70	94 76	91 70	85 68	87 73	90 66	77 52	80 55	79 53	81 62	85 65	83 68	80 55	75 47	81 55	85 62	89 68	89 67	92 68	88.1 65.5
LEWES 1 SW	MAX MIN	91 64	85 67	84 70	92 71	97 70	99 73	99 73	96 72	88 73	94 73	90 72	99 74	90 72	93 72	80 65	84 68	92 73	76 65	77 54	76 55	78 56	83 68	78 67	80 67	73 61	76 50	84 55	87 67	89 68	89 68	89 69	86.7 66.8
MILFORD 2 WSW	MAX MIN	90 70	89 65	88 70	93 71	98 70	98 70	101 74	96 70	94 72	94 72	97 71	98 75	91 70	95 72	84 70	87 67	93 74	83 65	80 51	79 56	84 52	83 66	85 66	84 65	75 52	81 48	85 58	91 65	91 68	93 68	92 69	89.4 66.2

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# EVAPORATION AND WIND

MARYLAND AND DELAWARE  
AUGUST 1977

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	.21	.24	.25	.11	.25	.26	■	.45	.31	.20	.07	.32	.34	-	.11	.22	.19	.14	.19	■	■	.49	.14	.06	.19	.09	.30	.17	.23	.29	.22	6.248
	WIND	35	21	19	30	22	24	27	38	31	15	15	16	15	14	15	19	52	39	17	■	■	■	■	■	■	■	■	■	■	■	76.3	
	MAX	95	91	95	90	99	98	99	99	98	99	100	101	93	93	94	98	92	85	86	-	-	-	-	87	88	88	82	90	83	95	97	93.3
	MIN	67	69	70	71	71	75	70	73	74	74	76	75	75	74	73	73	76	67	61	-	-	-	61	69	69	62	60	59	65	62	74	69.6
UPPER MARLBORO 3 NNW	EVAP	.23	.16	.15	.15	.23	.24	.24	.28	.34	.19	.22	.23	.14	.11	.11	.19	.20	.19	.18	.17	.20	.15	.14	.19	.21	.22	.18	.18	.20	.22	.19	6.07
	WIND	35	24	20	30	24	24	24	31	28	19	20	17	21	18	22	23	44	38	19	16	22	52	17	11	28	20	18	24	22	20	9	740
	MAX	93	92	93	93	99	97	97	95	97	94	98	97	90	87	84	95	93	87	85	86	89	83	88	87	82	86	85	89	94	96	96	91.2
	MIN	66	65	65	69	69	71	74	73	72	73	75	74	72	72	71	71	73	65	59	59	59	59	67	66	59	56	58	64	70	71	72	67.4
■ ■ ■																																	
ALLEGHENY PLATEAU 08																																	
SAVADE RIVER DAM	EVAP	.15	.19	.16	.28	.29	.06	.20	.12	.15	.14	.18	.15	.12	.09	■	.06	.17	.26	.20	.04	.09	.32	.05	.10	.08	.16	.11	.10	.17	.15	.11	4.45
	WIND	25	54	29	24	45	42	36	52	52	25	35	36	16	20	21	23	25	67	56	30	30	24	41	18	44	57	■	6	15	33	20	1001
	MAX	91	81	91	86	91	86	86	84	86	85	87	86	75	80	81	82	89	82	80	76	83	80	84	81	71	74	79	86	90	85	79	83.3
	MIN	64	60	61	62	62	55	59	67	67	64	68	67	65	72	63	67	67	57	53	51	52	55	61	59	53	45	48	64	68	64	67	61.5

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# EVAPORATION AND WIND

MARYLAND AND DELAWARE  
AUGUST 1977

STATION	DAY OF MONTH																															TOTAL OF 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	.15	■	.43	.04	-	-	.24	.30	.20	.14	.28	.24	.06	-	.36	.11	.21	.28	.05	.22	.18	.31	.16	.13	.15	.20	.15	.18	.18	.22	.26	.21	6.068
	WIND	13	31	13	18	18	28	35	45	37	16	32	30	11	16	17	15	20	33	15	21	18	30	12	9	34	12	11	11	15	14	13	639	
	MAX	95	92	93	95	97	99	97	93	92	92	94	92	83	83	90	85	87	82	87	88	86	87	87	86	84	88	91	97	97	92	93	90.6	
	MIN	74	62	70	73	74	75	75	73	71	73	72	75	73	72	70	73	75	64	60	65	59	66	68	70	68	59	65	71	73	68	75	69.4	
■ ■ ■																																		
SOUTHERN 02																																		
GEORGETOWN S SH	EVAP	.34	.16	■	■	.71	.29	.38	.43	.39	.32	-	.28	.45	.31	.42	.23	.20	.31	.16	.25	.12	.18	.18	.18	.27	.25	.24	.23	.20	.20	.16	8.108	
	WIND	-	-	-	-	-	-	-	-	-	-	-	54	68	98	94	39	90	86	30	22	22	88	77	40	80	43	37	61	64	55	27	-	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# STATION INDEX

MARYLAND AND DELAWARE  
AUGUST 1977

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	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		8AC	U S DEPT OF AGRICULTURE
BELTSVILLE PLANT STA 5	0705	04	PRN. GEORGES	5	39 01	76 57	100	9A	9A		C	US DEPT OF AGRICULTURE
BENSON POLICE BARRACKS	0732	06	HARFORD	1	39 30	76 23	365	5P	5P		C	MD. 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 4 W	1385	02	DORCHESTER	1	38 34	76 09	5	6P	6P		H	D ARCY MC B. HARDING
CATOCTIN MOUNTAIN PARK	1530	06	FREDERICK	5	39 39	77 29	1610	4P	4P		C	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	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
CUMBERLAND POLICE BRKS	2285	07	ALLEGANY	5	39 38	78 50	970	5P	5P			MD. STATE POLICE
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
EASTON POLICE BARRACKS	2700	02	TALBOT	1	38 45	76 04	40	5P	5P			MARYLAND STATE POLICE
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	FREDRICK	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	PLANT INTRO. GARDEN
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	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	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	JOHN R. FOX
PATUXENT RIVER	6915	03	ST MARY'S	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	ROBERT R WESTFALL
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 FARM
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	FLIGHT SERVICE STATION
SAVAGE RIVER DAM	8065	08	GARRETT	5	39 31	79 08	1495	8A	8A		8AC	U S CORPS OF ENGINEERS
SINES DEEP CREEK	8315	08	GARRETT	7	39 32	79 25	2040				C	PA. ELECTRIC CO.
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	G. P. VON EIFF, JR.
UPPER MARLBORO 3 NNW	9070	04	PRN. GEORGES	4	38 52	76 47	98	8A	8A		8A	TOBACCO EXP. FARM
VIENNA	9140	02	DORCHESTER	1	38 29	75 50	12	6P	6P		H	DELMARVA POWER & LIGHT
WALDORF POLICE BRKS	9195	03	CHARLES	5	38 39	76 53	210	5P	5P		H	MD. STATE POLICE
WESTERNPORT UPRC	9409	07	ALLEGANY	5	39 29	79 09	950	6P	6P		H	UPPER POTOMAC RIVER COM
WESTMINSTER 2 SSE	9435	06	CARROLL	1	39 33	76 59	860	7P	7A		H	LARRY A MYERS
WHEATON REGIONAL PARK	9502	06	MONTGOMERY	5	39 04	77 02	330	5P	5P			PARK & PLANNING COMM.
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  
AUGUST 1977

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			CORPS OF ENGINEERS U.S. NAT. ARBORETUM U.S. SOLDIERS HOME
NATIONAL ARBORETUM D C	6350	04		5	38 54	76 58	50	8A	8A		H	
U. S. SOLDIERS HOME DC	9035	04		5	38 56	77 01	230	6P	6P			
DELAWARE												
BRIDGEVILLE 1 NW	1330	02	SUSSEX	1	38 45	75 37	50	5P	5P		H	WILLIAM M RAY STATE HIGHWAY DEPT. UNIV OF DEL SUBSTATION FREDERICK O. VOGL PIONEER HIBRED CORN CO. MRS BERNARD FRANKEL UNIV. OF DELAWARE NATL WEATHER SERVICE WATER DEPARTMENT
DOVER	2730	02	KENT	2	39 09	75 31	30	5P	5P		H	
GEORGETOWN 5 SW	3570	02	SUSSEX	1	38 38	75 27	45	8A	8A	8AC	H	
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	
MILFORD 2 WSW	5915	02	SUSSEX	2	38 54	75 28	30	5P	5P		H	
NEWARK UNIVERSITY FARM	6410	01	NEW CASTLE	2	39 40	75 44	90	5P	5P	SP	H	
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	

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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.

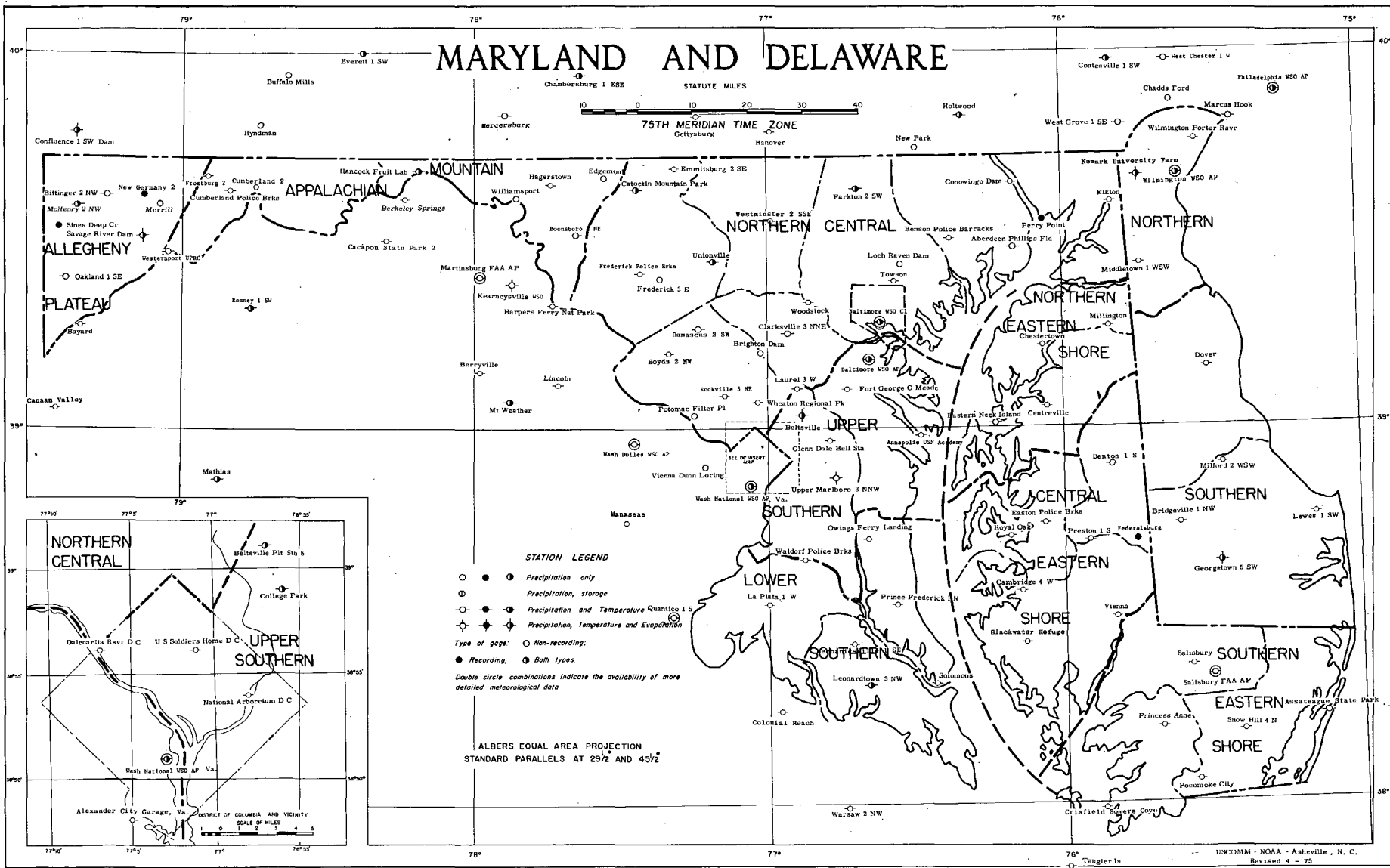
**IN THE STATION INDEX THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING:**

- 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 "Sub-station 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. These publications may be obtained from the National Climatic Center at the address shown above.

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

# MARYLAND AND DELAWARE



### 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 29 1/2 AND 43 1/2

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NATIONAL CLIMATIC CENTER  
FEDERAL BUILDING  
ASHEVILLE, N.C. 28801

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