

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

AUGUST 1981

VOLUME 85 NUMBER 8



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NATIONAL CLIMATIC CENTER, ASHEVILLE NORTH CAROLINA"
28801

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TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND AND
DELAWARE
AUGUST 1981

HIGHEST TEMPERATURE:	4 STATIONS	MD.	95	DATE	11+
LOWEST TEMPERATURE:	OAKLAND 1 SE	MD.	38	DATE	18
GREATEST TOTAL PRECIPITATION:	SALISBURY FAA AP	MD.	5.90		
LEAST TOTAL PRECIPITATION:	SOLOMONS	MD.	.82		
GREATEST 1 DAY PRECIPITATION:	SALISBURY	MD.	3.78	DATE	12

SUPPLEMENTAL DATA

STATION	WIND DATA (SPEED IN MPH)						RELATIVE HUMIDITY AVERAGE (%)				NUMBER OF DAYS WITH PRECIPITATION (INCHES)						PERCENTAGE OF POSSIBLE SUNSHINE	AVERAGE SKY COVER (TENTHS) SUNRISE-SUNSET	
	RESULTANT DIRECTION	RESULTANT SPEED	AVERAGE SPEED	FASTEST MILE			TIME ZONE EASTERN				TRACE	.01-.09	.10-.49	.50-.99	1.00-1.99	OVER 1.99			TOTAL
				SPEED	DIRECTION	DATE	01	07	13	19									
BALTIMORE WSO AP MD	25	1.0	6.5	23	W	05	79	80	54	63	3	3	6	0	0	0	12	70	5.5
WILMINGTON WSO AP DEL	26	1.1	6.0	23+	4	20+	79	79	55	64	3	4	1	1	0	1	10	1	5.7

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
AUGUST 1981

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			NO. OF DAYS					
									90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW				TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY DATE	TOTAL	MAX. DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
MARYLAND																								
SOUTHERN EASTERN SHORE 01																								
ASSATEAGUE STATE PARK	83.4	65.8	74.6	-2.5	95 5	55 18	0	33 32	0	0	0	0	4.18	-.48	1 18	.0	.0	.0	8	3	1			
CRISFIELD SOMERS COVE	83.1	67.5	75.3	-2.5	95 6+	57 18	0	33 32	0	0	0	0	4.95	-.48	1 18	.0	.0	.0	3	3	3			
PRINCESS ANNE	83.5	60.6	72.1	-2.5	92 10+	52 18	0	33 32	0	0	0	0	5.18	-.33	3 18	.0	.0	.0	3	3	3			
SALISBURY	80.2	63.2	73.7	-2.5	92 10+	52 18	0	33 32	0	0	0	0	5.18	-.33	3 18	.0	.0	.0	3	3	3			
SALISBURY FAA AP	80.9	62.1	71.5	-2.5	92 10+	52 18	0	33 32	0	0	0	0	5.90	-.33	3 18	.0	.0	.0	3	3	3			
SNOW HILL 4 N	83.1	60.9	72.0	-2.8	92 10+	47 18	5	22 9	4	0	0	0	5.49	-.48	2 8	.0	.0	.0	6	2	2			
DIVISION																								
CENTRAL EASTERN SHORE 02																								
CAMBRIDGE WTR TRMT PL	84.0	64.1	74.1	-2.5	94 4	56 26+	0	23 2	3	0	0	0	1.89	-3.01	.42 12	.0	.0	.0	7	0	0			
DENTON 2 E	85.0	60.8	72.9	-2.5	92 10+	45 18	4	23 2	1	0	0	0	2.04	-2.60	.36 16	.0	.0	.0	5	2	1			
ROYAL OAK 2 SSW	83.1	64.3	73.7	-2.5	91 5	52 18	0	23 2	1	0	0	0	2.38	-2.60	.42 12	.0	.0	.0	4	2	1			
VIENNA	85.6	62.2	73.9	-2.5	95 5	49 18	1	23 2	3	0	0	0	1.09	-2.60	.42 12	.0	.0	.0	4	0	0			
DIVISION																								
LOWER SOUTHERN 03																								
LA PLATA 1 W	81.3	62.9	72.1	-2.7	88 5	49 18	5	23 2	0	0	0	0	2.42	-2.11	1.60 3	.0	.0	.0	4	1	1			
MECHANICSVILLE 1 SE	82.6	59.7	71.2	-2.7	92 10+	43 18	10	20 8	2	0	0	0	1.01	-2.11	.20 30+	.0	.0	.0	6	0	0			
OWINGS FERRY LANDING	83.5	67.3	75.4	-2.7	94 5	60 26+	1	33 0	5	0	0	0	1.31	-3.49	.41 22	.0	.0	.0	4	0	0			
PATUXENT RIVER	M	M	M	-2.3	93 6	60 24	1	33 0	3	0	0	0	.82	-3.49	.41 22	.0	.0	.0	4	0	0			
SOLOMONS	M	M	M	-2.3	93 6	60 24	1	33 0	3	0	0	0	.82	-3.49	.41 22	.0	.0	.0	4	0	0			
DIVISION																								
UPPER SOUTHERN 04																								
ANNAPOLIS POLICE BRKS	85.4	65.2	75.3	-2.5	92 6+	53 18	0	32 7	4	0	0	0	1.62	-2.43	.87 16	.0	.0	.0	3	1	0			
BALTIMORE WSO AP	R 84.5	64.3	74.4	-2.5	93 11	51 18	0	29 7	4	0	0	0	1.93	-2.28	.44 31	.0	.0	.0	6	0	0			
BELTSVILLE	83.3	60.7	72.0	-2.5	93 12	46 18	0	33 1	3	0	0	0	3.20	-2.28	1.17 31	.0	.0	.0	7	2	1			
COLLEGE PARK	84.5	63.2	73.9	-1.3	94 12	49 18	4	33 1	3	0	0	0	3.79	-1.22	1.52 31	.0	.0	.0	7	2	1			
DALECARLIA RESVR D C	85.3	60.8	73.1	-1.3	92 11	49 22	1	33 1	3	0	0	0	4.11	-1.22	1.17 31	.0	.0	.0	5	4	2			
GLENN DALE BELL STA	85.3	58.9	72.1	-2.0	92 11+	43 18	6	23 3	3	0	0	0	5.35	-.49	3.40 31	.0	.0	.0	7	2	1			
LAUREL 3 W	84.8	66.3	75.6	-2.0	92 11+	57 22	6	33 5	3	0	0	0	2.76	-.49	.78 31	.0	.0	.0	6	2	0			
NATIONAL ARBORETUM D C	84.1	62.5	73.3	-2.0	93 12+	49 18	5	26 7	3	0	0	0	3.63	-.49	1.16 31	.0	.0	.0	6	3	2			
UPPER MARLBORO 3 NNW	83.1	55.6	69.4	-1.5	90 12+	40 18	19	16 2	3	0	0	0	1.80	-1.59	.55 16	.0	.0	.0	6	1	0			
DIVISION																								
NORTHERN EASTERN SHORE 05																								
CENTREVILLE	84.5	62.4	73.5	-2.2	92 5	52 21	0	27 1	2	0	0	0	2.96	-2.90	1.80 8	.0	.0	.0	4	1	1			
CHESTERTOWN	83.3	63.4	73.4	-2.2	90 10	51 18	1	26 8	1	0	0	0	1.27	-2.90	.58 8	.0	.0	.0	3	1	0			
MILLINGTON 2 WNW				-1.7												.0	.0	.0						
DIVISION																								
NORTHERN CENTRAL 06																								
ABERDEEN PHILLIPS FLD	R 84.3	63.0	73.7	-.3	90 5	52 21+	0	27 7	1	0	0	0	2.81	-1.55	.90 11	.0	.0	.0	7	1	0			
BALTIMORE WSO CI	85.6	69.0	77.3	-.3	95 11	60 23+	0	38 9	9	0	0	0	2.46	-1.55	.70 8	.0	.0	.0	5	2	0			
BENSON POLICE BARRACKS	86.6	58.6	72.6	-.3	93 12+	46 18	1	24 5	7	0	0	0	1.94	-1.55	.70 8	.0	.0	.0	5	2	0			
BOYDS 2 NW	83.4	60.7	72.1	-.3	90 11	51 18+	0	22 5	1	0	0	0	3.26	-1.55	1.51 22	.0	.0	.0	5	1	1			
CATOCTIN MOUNTAIN PARK	76.6	60.8	68.7	-.3	81 29+	50 17	11	13 5	0	0	0	0	3.79	-1.55	1.20 30	.0	.0	.0	6	3	1			

SEE REFERENCE NOTES FOLLOWING STATION INDEX
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MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
AUGUST 1981

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						
									MAX	MIN	90 OR ABOVE	32 OR BELOW				TOTAL	DEPTH ON GROUND	NO. OF DAYS				
									0	1	2	3	0	1	1.00 OR MORE	0	0	0				
													0	0	0	0	0	0				
CLARKSVILLE 3 NNE	84.5	58.4	71.5		9311	4218	7	2	0	0	0	0	2	2.20			0	0	0	6	2	0
CONOWINGO DAM	80.1	60.7	72.1	- 1.4		4818	11	2	1	1	1	1	3	3.57	1	6	0	0	0	1	1	1
DAMASCUS 2 SW	83.5	57.8	71.0		8911	4918	1	2	1	1	1	1	3	3.95	3	4	0	0	0	5	1	1
EMMITTSBURG 2 SE	83.5	57.0	70.3		9111	4918	1	2	1	1	1	1	3	3.95	3	4	0	0	0	5	1	1
FREDRICK POLICE BRKS	84.7	63.0	73.9														0	0	0	5	1	1
PARKTON 2 SW	81.2	58.1	69.7		8911	4518	10	1	1	1	1	1	2	2.63	1	3	0	0	0	5	1	1
ROCKVILLE 3 NE	81.1	57.3	69.9		9011	4518	10	1	1	1	1	1	2	2.33	1	3	0	0	0	5	1	1
TOWSON	84.9	64.8	74.9		9211	5521	1	3	1	1	1	1	2	2.04	1	3	0	0	0	4	1	1
UNIONVILLE	82.7	56.6	69.7	- 2.3	9011	4018	1	3	1	1	1	1	2	2.77	1	3	0	0	0	4	1	1
WESTMINSTER POLICE BRK	83.7	61.5	72.6		9012	5118	2	2	2	1	1	1	1	4.47	1	4	0	0	0	4	0	0
WOODSTOCK	83.7	60.7	72.2	- .9	9111	4718	2	2	2	1	0	0	2	2.42	1	2	0	0	0	6	2	1
DIVISION			72.0	- 1.5									2.62	- 1.50			0	0	0			
APPALACHIAN MOUNTAIN 07																	0	0	0			
CUMBERLAND 2	87.2	59.4	73.3		9428	4817	5	2	0	9	0	0	2	2.42	1	3	0	0	0	5	1	1
FROSTBURG 2	77.0	53.4	65.2		8429	4319	5	2	0	9	0	0	3	3.30	1	3	0	0	0	6	3	0
HAGERSTOWN	83.4	60.6	72.0		9011	4823	2	2	1	0	0	0	2	2.26	2	6	0	0	0	5	1	0
HANCOCK FRUIT LAB.	82.1	56.8	69.5		8729+	4221+	2	1	6	0	0	0	2	2.98	2	6	0	0	0	4	1	1
DIVISION			70.0	- 2.2									2.74	- .75			0	0	0			
ALLEGHENY PLATEAU 08																	0	0	0			
MC HENRY 2 NW	74.4	55.5	65.0		8129	4417	4	5	4	0	0	0	2	2.66	1	5	0	0	0	7	1	1
OAKLAND 1 SE	77.5	52.9	65.2	- 1.3	8328	3818	5	6	7	0	0	0	3	3.45	1	5	0	0	0	7	3	0
SAVAGE RIVER DAM	77.8	53.9	65.9		8429+	4219+	4	4	7	0	0	0	2	2.23	1	4	0	0	0	6	2	0
DIVISION			65.4	- 1.0									2.78	- 1.21			0	0	0			
DELAWARE																	0	0	0			
NORTHERN 01																	0	0	0			
MIDDLETOWN 1 WSW	84.4	61.9	73.2		8911+	4518	2	2	1	0	0	0	2	2.07	1	7	0	0	0	1	1	1
NEWARK UNIVERSITY FARM	84.7	62.3	73.5		9011+	5219+	0	2	0	0	0	0	4	4.26	1	6	0	0	0	6	3	1
WILMINGTON WSO AP	83.0	64.0	73.5		9115	5318	0	2	0	0	0	0	3	3.38	2	6	0	0	0	3	2	1
WILMGTN PORTER RESVR	81.1	64.0	72.6	- .8	9211	5418	0	2	0	0	0	0	4	4.57	3	6	0	0	0	3	2	1
DIVISION			73.2	- .7									3.57	- .59			0	0	0			
SOUTHERN 02																	0	0	0			
BRIDGEVILLE 1 NW	83.4	60.4	71.9	- 2.3	9210	4618	0	3	0	0	0	0	4	4.59	1	8	0	0	0	9	3	0
DOVER	84.5	63.3	73.9	- 1.3	9215	5518	0	2	0	0	0	0	2	2.52	1	8	0	0	0	6	1	1
GEORGETOWN 5 SW	83.0	60.7	71.9		9311+	4918	0	2	0	0	0	0	3	3.64	2	8	0	0	0	6	2	2
LEWES	83.5	61.4	72.1		9211+	5427+	0	2	0	0	0	0	5	5.39	2	9	0	0	0	6	2	2
MILFORD 2 WSW	82.7	62.2	72.5		9215	4918	1	2	0	0	0	0	4	4.25	1	4	0	0	0	6	7	2
DIVISION			72.5	- 2.1									4.28	- .54			0	0	0			

SEE REFERENCE NOTES FOLLOWING STATION INDEX
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DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
AUGUST 1981

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 STATE PARK	4.11				.71			.23	1.13			.20	.68			
CRISFIELD SOMERS COVE	4.11						.04	1.71			.02	2.93				
PRINCESS ANNE	5.11				.22		.03	2.82			.04	3.39				
SALISBURY	5.11				.01		.05	1.05	.01		.04	3.78				
SALISBURY FAA AP	5.11			T			.09	1.96			.03	3.55				
SNOW HILL 4 N	5.49				.21		.02	2.43			.05	2.13				
CENTRAL EASTERN SHORE 02																
CAMBRIDGE WTR TRMT PL	1.89			.16		.09	.17		.20			.35	.42			
OENTON 2 E	2.04			.49	.20		.07	.06					.28			
ROYAL OAK 2 SSW	2.04				.15		.14	.16					.56			
VIENNA	1.09							.22			.24	.15				
LOWER SOUTHERN 03																
LA PLATA 1 W	2.42			1.60	.03		.19	.02	.07				.32			
MECHANICSVILLE 1 SE	1.01				.14		.20	.12	.20				.15			
OWINGS FERRY LANDING																
PATUXENT RIVER	1.31			.37			.14	T	.31				.07			
SOLOMONS	.82				.17		T	.15	*	*	.21			.02		
UPPER SOUTHERN 04																
ANNAPOLIS POLICE BRKS	1.62			.01	.01		.09		.05				.08			
BALTIMORE WSO AP	1.99			.07	T		.07	T	.20	.08	.20	.39				.27
BELTSVILLE	3.20				.20		.01	.19	.30		.02	.28				
COLLEGE PARK	3.79				.17	T	T	.22	.34		.02	.79	.21			
DALECARLIA RESVR D C	4.11			.05			.25	.06	.07	.02	.04	1.11				
GLENN DALE BELL STA	5.35			T	T		.16	.06	.21		.30	.54				
LAUREL 3 W	2.22			T			.20	T	T		.49	.48				.31
NATIONAL ARBORETUM D C	3.63				.02		T	.19	.10		.01	1.06	.68			
UPPER MARLBORO 3 NNW	1.80				.31			.23	.17	T		.10	.04			
NORTHERN EASTERN SHORE 05																
CENTREVILLE	2.96			T			T		1.80				.46			
CHESTERTOWN	1.27			.45	T		.04		.58				.02			.14
MILLINGTON 2 WNW																
NORTHERN CENTRAL 06																
ABERDEEN PHILLIPS FLD	2.81			.03	T		T		*	*.14	1.51	.22	.39			*.23
BALTIMORE WSO CI	1.46			.07					.29			.90	.27			
BENSON POLICE BARRACKS	1.99			.24	T			.70	.35				.60			
BOYDS 2 NW	2.22						.25	.03	.15				1.35			
BRIGHTON DAM	2.22			T			.12		.35			.40	.20			.56
CATOCTIN MOUNTAIN PARK	3.22			.94	.05		.22		.05	.01			.20			
CLARKSVILLE 3 NNE	2.22			T	T		.18		.18				.69			.01
CONOWINGO DAM	3.33			.86	T			1.22	.18			.15	.28			.96
DAMASCUS 2 SW	3.33			.04	.01		.21	T	.41		T	.84	.64			T
EMMITSBURG 2 SE	4.44			.40	.04		.12		T		T		.39			
FREDRICK POLICE BRKS	1.94			.04			.16		.18		.51		.28			
FREDERICK 3 E	2.22				.17	.02		.32	.32		.51		.07	.27		
PARKTON 2 SW	4.44			.35			.04	.32	.38				.21			
POTOMAC FILTER PLANT	4.44			.02			.26	.07	.15			.49	.25			
ROCKVILLE 3 NE	2.22			.01		.01	.33	.03	.08	.01	.09	.18	.08	.07	.01	.38
TOWSON	2.22								.10				1.18			
UNIONVILLE	1.11			.03	T		.14		.16			.02	.19			
WESTMINSTER POLICE BRK	1.44			.16			.07		.23				.41			
WOODSTOCK	2.42				.02		.15		.54				1.02			

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (CONT)

MARYLAND AND
DELAWARE
AUGUST 1981

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 STATE PARK	.05			.19	.02	*	.48	.47		.02						
CRISFIELD SOMERS COVE				.15	*	*	.11	.10								
PRINCESS ANNE				.20			.11	.06								
SALISBURY				.06			.10	.08								
SALISBURY FAA AP				.08			.19									
SNOW HILL 4 N	.08			.21	.01		.13	.20		.02	T					
CENTRAL EASTERN SHORE 02																
CAMBRIDGE WTR TRMT PL	.19						.22	.05						.03		.01
DENTON 2 E	.68						.03								.13	.01
ROYAL OAK 2 SSW	1.32						.02			.09						.02
VIENNA							.40	.08		.01						
LOWER SOUTHERN 03																
LA PLATA 1 W	.12						T			T					.07	T
MECHANICSVILLE 1 SE															.20	
OWINGS FERRY LANDING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PATUXENT RIVER				T			.41								.01	
SOLOMONS							*	*	.27							T
UPPER SOUTHERN 04																
ANNAPOLIS POLICE BRKS	.87													.12		.39
BALTIMORE WSO AP							T								.21	.44
BELTSVILLE	.37														.01	1.17
COLLEGE PARK	.45														.07	1.52
DALECARLIA RESVR D C	.50														.84	1.17
GLENN DALE BELL STA	.38														.30	3.40
LAUREL 3 W															.50	.78
NATIONAL ARBORETUM D C	.41															1.16
UPPER MARLBORO 3 NNW	.55															.40
NORTHERN EASTERN SHORE 05																
CENTREVILLE	.35									.02				.27	T	.06
CHESTERTOWN									T						T	.04
MILLINGTON 2 WNW	-	-	-	-	-	-	-	-	-	-	-	-	-	T	-	-
NORTHERN CENTRAL 06																
ABERDEEN PHILLIPS FLD	.43													*	*	.23
BALTIMORE WSO CI															.18	.38
BENSON POLICE BARRACKS	.16									.07					.05	.12
BOYDS 2 NW	.28														.35	.45
BRIGHTON DAM															.43	.50
CATOCTIN MOUNTAIN PARK	.13									.05					.20	.94
CLARKSVILLE 3 NNE	.50														.40	.24
CONOWINGO DAM	.06														T	.07
DAMASCUS 2 SW	.18													.03	.20	.52
EMMITTSBURG 2 SE	.18														.18	.64
FREDRICK POLICE BRKS	T														.02	.58
FREDERICK 3 E	.03														.02	.39
PARKTON 2 SW	.18								.03						.08	.36
POTOMAC FILTER PLANT	//														.75	.16
ROCKVILLE 3 NE	.18														.40	.75
TOWSON	.10														.12	.54
UNIONVILLE																.36
WESTMINSTER POLICE BRK	.05														.06	.45
WOODSTOCK	.18														.28	.23

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
AUGUST 1981

STATION	TOTAL	DAY OF MONTH														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
APPALACHIAN MOUNTAIN 07																
CUMBERLAND 2	2.42			.07	.28	T	.13	.39	T							
EDGEMONT	2.24			.09	.64	.03	.01	.25	.05				.18			
FROSTBURG 2	3.30			.50	.43	.08	.01	.62	.40				T			
HAGERSTOWN	2.26			.35	.45		.35		.07			.17	T			.05
HANCOCK FRUIT LAB	2.98			.33	.06		.38	.02								.16
ALLEGHENY PLATEAU 08																
MC HENRY 2 NW	2.66			1.55	.12		.14	.27	.02				.10	.02		
MERRILL	2.62			.86	.07		.20	.28	.01							
OAKLAND 1 SE	3.45			.58	.18	T	.57	T	.05			.12	.04			.42
SAVAGE RIVER DAM	2.23			.20	.19	T	.23	.57	.02				T	.01		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (CONT)

MARYLAND AND
DELAWARE
AUGUST 1981

STATION	DAY OF MONTH															
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
APPALACHIAN MOUNTAIN 07																
CUMBERLAND 2	.22															
EDGEMONT	.20	T								T						
FROSTBURG 2	.29									† .02						
HAGERSTOWN	.08													T		
HANCOCK FRUIT LAB															.05	
ALLEGHENY PLATEAU 08																
MC HENRY 2 NW	.24															T
MERRILL	.35							T								
OAKLAND 1 SE	.35															
SAVAGE RIVER DAM	.27									T				† .04	.05	1.05
																.74

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
AUGUST 1981

STATION	TOTAL	DAY OF MONTH														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
DELAWARE																
NORTHERN 01																
MIDDLETOWN 1 WSW	2.07				.07						1.74		T	.05	.08	
NEWARK UNIVERSITY FARM	4.26			.28							1.98		T	.68		
WILMINGTON WSO AP	3.38			.33						T	2.05		T	.02	.06	
WILMINGTON PORTER RESVR	4.57			.65	T					T	3.60			T		.90
SOUTHERN 02																
BRIDGEVILLE 1 NW	4.59				.44	T					.24			.56	.65	
DOVER	2.52			.33	.10			T	.08		.49				.30	
GEORGETOWN 5 SW	4.64				.18					.07				T		1.15
LEWES	5.39			.24					.04		.22	.26		.33	1.70	
MILFORD 2 WSW	4.25			T	.12				.06		1.31			.30	1.40	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (CONT)

MARYLAND AND
DELAWARE
AUGUST 1981

STATION	DAY OF MONTH															
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
DELAWARE																
NORTHERN 01																
MIDDLETOWN 1 WSW	.08															
NEWARK UNIVERSITY FARM	.78													.34	.05	.01
WILMINGTON WSO AP													.01		T	
WILMGTN PORTER RESVR									.01				.02		T	
SOUTHERN 02																
BRIDGEVILLE 1 NW	1.80						.28	.11		.21					.22	
DOVER	.45									.03						.82
GEORGETOWN 5 SW	2.25							.31		.41						
LEWES	2.63						.12	.05		.06						
MILFORD 2 WSW	.63						.23	.05		.12					.03	T

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
AUGUST 1981

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	
ALLEGHENY PLATEAU 08																																
MC HENRY 2 NW	MAX	73	76	80	77	78	77	68	74	77	76	78	77	73	73	78	76	70	67	69	70	73	70	71	74	73	72	75	78	81	76	75
	MIN	55	55	60	62	63	61	58	58	59	59	57	58	55	56	58	61	44	45	48	50	50	55	50	54	51	53	54	57	59	59	58
OAKLAND 1 SE	MAX	77	80	79	81	81	79	79	79	77	81	80	76	76	80	78	76	69	71	71	74	73	75	77	77	76	79	81	83	80	80	78
	MIN	49	50	65	62	66	62	60	60	59	55	54	61	54	54	57	63	42	38	42	48	41	55	41	47	47	45	48	54	52	54	55
SAVAGE RIVER DAM	MAX	77	77	79	79	82	83	70	71	80	78	83	81	77	76	84	80	76	72	73	73	76	75	76	77	79	71	80	83	84	80	81
	MIN	51	53	55	56	63	63	62	61	59	58	57	59	58	58	59	62	45	42	42	45	45	46	45	52	49	49	50	53	56	57	60
DELAWARE NORTHERN 01																																
MIDDLETOWN 1 WSW	MAX		86	86	86	89	87	86	86	87	88	89	87		87	87	86	83	80	79	79	81	73	82	86	82	80	85	87	86	82	85
	MIN		56	62	68	72	63	59	69	69	68	69	68	61		67	70	54	45	53	60	62	58	61	56	55	57	57	60	61	66	68
NEWARK UNIVERSITY FARM	MAX	88	88	86	88	89	85	85	86	88	90	90	89	81	88	89	87	84	80	80	79	81	80	80	86	79	80	83	87	87	82	80
	MIN	58	58	64	65	72	63	60	68	67	67	68	69	62	64	68	69	55	52	52	60	55	59	61	58	59	60	59	61	64	66	68
WILMINGTON WSO AP	MAX	85	86	83	88	91	80	85	77	89	90	90	77	83	87	88	86	78	80	80	79	81	71	81	86	80	78	84	86	82	81	80
	MIN	62	62	66	69	67	65	61	69	69	70	73	69	64	65	71	64	55	53	55	60	55	61	63	61	59	63	60	66	67	69	70
WILMINGTON PORTER RESVR	MAX	85	85	79	86	86	80	85	75	85	87	92	77	83	87	84	83	76	78	78	76	79	70	79	83	77	77	81	84	79	81	78
	MIN	66	68	68	67	72	66	64	64	67	71	71	68	65	65	70	66	57	54	55	61	58	60	60	60	59	61	61	63	65	66	67
SOUTHERN 02																																
BRIDGEVILLE 1 NW	MAX	85	88	90	88	91	85	86	84	90	92	90	80	83	87	86	84	82	82	76	78	76	72	79	83	80	76	82	87	80	81	81
	MIN	54	55	62	69	72	64	57	70	68	68	68	68	60	63	66	64	54	46	55	63	52	55	56	59	56	54	55	57	56	63	62
DOVER	MAX	82	83	85	87	93	90	85	85	88	92	92	83	83	89	89	86	85	79	79	79	77	81	86	85	80	85	85	84	79	83	84
	MIN	59	59	66	68	73	68	61	70	70	70	72	70	64	67	57	59	59	55	56	63	56	50	59	62	60	61	59	63	62	67	68
GEORGETOWN 5 SW	MAX	85	85	87	89	89	93	75	89	90	90	93	92	85	83	84	87	83	74	79	72	76	79	69	79	83	76	76	82	81	86	83
	MIN	54	53	63	70	72	65	58	62	69	61	71	72	60	62	66	61	58	49	54	60	52	63	57	59	58	55	59	56	66	62	60
LEWES	MAX	81	84	90	89	92	88	87	87	89	89	92	77	86	87	88	85	83	81	78	75	75	74	78	85	83	75	84	84	81	82	81
	MIN	56	54	62	68	67	65	59	69	67	67	71	64	62	63	66	61	57	58	54	64	61	59	58	57	62	56	54	58	59	65	60
MILFORD 2 WSW	MAX	82	85	88	86	92	89	85	82	88	91	90	85	81	86	85	85	82	78	75	76	76	73	78	83	81	74	81	84	82	82	80
	MIN	56	55	63	70	73	64	60	71	68	70	71	70	65	65	69	68	54	49	54	66	53	57	58	59	56	56	60	60	67	65	65

SEE REFERENCE NOTES FOLLOWING STATION INDEX

EVAPORATION AND WIND

MARYLAND AND
DELAWARE
AUGUST 1981

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 BELTSVILLE 04	EVAP	2.3	2.1	2.2	0.5	1.4	3.3	1.0	0.3	2.2	2.4	2.2	1.2	1.8	2.1	*	4.1	2.2	2.0	1.9	2.5	2.2	0.7	2.0	2.1	2.2	1.9	2.4	1.7	0.6	5.81			
	WIND	9.0	7.7	7.9	8.8	7.3	9.9	7.7	8.0	9.3	9.9	9.9	8.4	8.8	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	8.69		
	MAX MIN	6.7 6.6	11.7 6.8	12.9 7.1	2.9 2.2	9.9 7.3	3.3 3.3	9.9 6.6	0.3 6.6	1.0 6.6	2.2 6.6	2.4 6.6	2.2 6.6	1.2 6.6	1.8 6.6	2.1 6.6	9.9 7.0	4.1 5.5	2.2 5.5	2.0 5.5	1.9 5.5	2.5 5.5	2.2 5.5	0.7 5.5	2.0 5.5	2.1 5.5	2.2 5.5	1.9 5.5	2.4 5.5	1.7 5.5	0.6 5.5	6.66		
UPPER MARLBORO 3 NNW	EVAP	2.4	2.4	2.5	1.0	1.6	2.2	0.0	2.0	1.1	1.7	2.0	0.8	1.5	1.6	2.1	2.3	2.0	1.8	1.5	2.8	1.9	0.0	2.4	1.7	1.6	2.0	2.4	1.4	0.4	5.34			
	WIND	10.1	11.1	13.3	8.8	9.9	10.1	9.9	10.1	9.9	9.9	9.9	8.8	8.8	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	8.77		
	MAX MIN	6.5 6.5	9.9 6.5	9.9 6.5	8.8 7.0	9.9 7.2	10.1 6.6	2.2 6.6	0.0 6.6	2.0 6.6	1.1 6.6	1.7 6.6	2.0 6.6	0.8 6.6	1.5 6.6	1.6 6.6	2.1 6.6	2.3 6.6	2.0 6.6	1.8 6.6	1.5 6.6	2.8 6.6	1.9 6.6	0.0 6.6	2.4 6.6	1.7 6.6	1.6 6.6	2.0 6.6	2.4 6.6	1.4 6.6	0.4 6.6	6.48		
ALLEGHENY PLATEAU SAVAGE RIVER DAM 08	EVAP	1.8	0.5	0.8	1.8	0.1	2.2	0.7	1.2	2.7	0.5	2.1	1.1	1.1	1.2	0.3	2.2	2.2	4.4	1.0	3.4	*	2.6	2.4	1.4	2.6	0.5	1.7	1.2	1.1	1.7	2.0	2.2	4.63
	WIND	2.9	2.5	1.3	1.9	3.2	5.5	2.0	2.0	2.4	3.9	2.8	2.8	3.0	3.0	1.9	2.2	2.2	4.4	4.4	3.4	3.1	2.6	2.4	3.1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.25	
	MAX MIN	5.5 5.5	8.8 5.5	8.8 5.5	8.8 6.6	8.8 6.6	8.8 6.6	8.8 6.6	8.8 6.4	8.8 6.6	8.8 6.6	8.8 6.6	8.8 6.6	8.8 6.6	8.8 6.6	8.8 6.6	8.8 6.6	8.8 6.6	8.8 6.6	8.8 6.6	8.8 6.6	8.8 6.6	8.8 6.6	8.8 6.6	8.8 6.6	8.8 6.6	8.8 6.6	8.8 6.6	8.8 6.6	8.8 6.6	8.8 6.6	8.8 6.6	8.8 6.6	6.48
DELAWARE NORTHERN NEWARK UNIVERSITY FARM 01	EVAP	2.2	2.5	0.1	1.2	2.6	2.1	1.7	-	0.7	2.4	1.9	2.2	1.1	1.3	1.8	2.9	3.5	2.0	2.3	2.6	2.4	1.6	1.1	2.4	1.5	1.2	1.7	1.5	1.8	1.0	0.8	5.59B	
	WIND	15.1	17.1	13.1	15.1	3.9	3.6	1.8	1.3	1.3	1.5	1.4	2.2	1.1	1.7	1.6	3.0	5.1	2.0	1.8	2.0	2.4	1.8	1.1	2.8	2.9	1.3	1.9	1.3	2.2	2.3	2.3	8.06	
	MAX MIN	9.4 7.7	9.4 7.6	8.5 7.5	9.1 8.1	9.0 8.5	8.7 7.3	8.6 7.7	8.7 7.3	8.0 8.0	9.0 8.0	9.5 8.4	9.4 8.4	9.2 7.4	8.2 7.4	9.0 7.6	9.0 8.6	8.9 8.3	8.9 6.9	8.9 6.9	8.9 6.9	8.9 6.9	8.9 6.9	8.9 6.9	8.9 6.9	8.9 6.9	8.9 6.9	8.9 6.9	8.9 6.9	8.9 6.9	8.9 6.9	8.9 6.9	7.51	
DELAWARE SOUTHERN GEORGETOWN 5 SW 02	EVAP	-	1.7	3.3	2.4	2.3	4.2	0.4	2.0	1.9	1.7	2.8	2.4	-	1.6	1.9	-	1.6	1.5	1.6	0.7	2.6	1.9	0.4	2.0	2.5	1.9	1.2	2.2	1.4	1.8	1.5	5.91B	
	WIND	3.1	4.7	3.1	6.0	4.5	9.4	2.0	4.5	5.0	2.2	3.3	5.5	1.6	2.9	5.0	7.0	5.5	5.5	5.5	2.4	4.9	3.0	1.1	4.3	5.3	4.7	2.6	5.5	4.0	2.3	1.4	14.40	
	MAX MIN	9.0 5.9	9.2 6.8	9.2 6.6	9.0 6.6	9.1 7.4	9.2 6.7	9.2 6.4	9.1 6.4	9.5 7.0	9.5 7.3	9.5 7.3	8.7 7.3	9.3 7.2	8.6 6.6	9.0 6.6	8.8 6.6	8.7 6.6	8.7 6.6	8.7 6.6	8.7 6.6	8.7 6.6	8.7 6.6	8.7 6.6	8.7 6.6	8.7 6.6	8.7 6.6	8.7 6.6	8.7 6.6	8.7 6.6	8.7 6.6	8.7 6.6	6.44	

EVAPORATION: IS MEASURED IN 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
AUGUST 1981

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	00193	06	HANFORD	39 28	76 10	57	4P	4P		C	H	ROSS AVIATION INC
ANNAPOLIS POLICE BRKS	01193	04	HANNE ARUNDEL	38 59	76 30	25	5P	5P		C	H	ANNAPOLIS POLICE BRKS
ASSATEAGUE STATE PARK	03335	01	WORCESTER	38 14	75 08						H	ASSATEAGUE STATE PARK
BALTIMORE WSO AP	04655	04	HANNE ARUNDEL	39 11	76 40	19	MID	MID		C	H	NATL WEATHER SERVICE
BALTIMORE WSO CI	04700	06	BALTO CITY	39 17	76 37	91	MID	MID		C	H	OCMI COMMANDING OFFICER
BELTSVILLE	07000	04	PRRN GEORGES	39 02	76 53	120	8A	8A		C	H	U S DEPT OF AGRICULTURE
BENSON POLICE BARRACKS	07320	06	HANFORD	39 20	76 23	36	5P	5P		C	H	MARYLAND STATE POLICE
BOYDS 2 NW	10325	06	MONTGOMERY	39 13	77 20	88	6P	6P				HUNTER F STALEY
BRIGHTON DAM	11255	06	MONTGOMERY	39 12	77 01	300		MID				WASH SUB SANY COMM
CAMBRIDGE WTR TRMT PL	1385	02	DORCHESTER	38 34	76 04	5	4P	4P			H	WASTEWATER TRMT PLANT
CATOCTIN MOUNTAIN PARK	15300	06	FREDERICK	39 39	77 29	161	5P	5P		C	H	CATOCTIN MOUNTAIN PARK
CENTREVILLE	16270	05	QUEEN ANNES	39 03	76 04	60	5P	5P			H	MICHAEL B CATE
CHESTERTOWN	17500	05	KENT	39 13	76 04	40	11P	11P			H	THOMAS W ELIASON JR
CLARKSVILLE 3 NNE	1862	06	HOWARD	39 15	76 56	36	5P	5P			H	UNIVERSITY OF MARYLAND
COLLEGE PARK	19955	04	PRRN GEORGES	38 59	76 57	90	9A	9A		C	H	UNIVERSITY OF MARYLAND
CONOWINGO DAM	20600	06	HANFORD	39 39	76 10	40	MID	MID			H	SUSQUEHANNA ELECTRIC CO
CRISFIELD SOMERS COVE	22215	01	SOMERSET	37 59	75 52	88	5P	5P			H	SOMERS COVE MARINA
CUMBERLAND 2	22820	07	ALLEGANY	39 38	78 45	70	6P	7A			H	TIMOTHY B THOMAS
DAMASCUS 2 SW	2335	06	MONTGOMERY	39 16	77 14	72	7P	7P			H	RICHARD W SCHWERDT
DENTON 2 E	25230	02	CAROLINE	38 53	75 48	50	5P	5P			H	ARTHUR REINHOLD
EDGEMONT	27700	06	WASHINGTON	39 40	77 33	90	5P	7A			H	JOHN W HARNE
EMMITSBURG 2 SE	29060	07	FREDERICK	39 41	77 18	41	5P	5P			H	MRS LUCILLE K BEALE
FEDERALSBURG	30900	02	CAROLINE	38 41	75 46	20				C	H	SEWAGE TREATMENT PLANT
FREDRICK POLICE BRKS	3348	06	FREDERICK	39 25	77 26	38	5P	5P			H	MARYLAND STATE POLICE
FREDERICK 3 E	3355	06	FREDERICK	39 24	77 22	38	5P	7A			H	MISS I MARY STALEY
FROSTBURG 2	3415	07	ALLEGANY	39 40	78 56	21	7A	7A			H	LEE K CLOSE
GLENN DALE BELL STA	3675	04	PRRN GEORGES	38 58	76 48	15	4P	4P			H	USDA PLT INTRODUCT STA
HAGERSTOWN	3975	07	WASHINGTON	39 39	77 44	66	6P	6P			H	HAGERSTOWN RESERVOIR
HANCOCK FRUIT LAB	40300	07	WASHINGTON	39 42	78 11	42	4P	4P		C	H	SHARPSBURG RESEARCH C
LA PLATA 1 W	50800	03	CHARLES	38 32	77 00	140	6P	6P			H	C RUSSELL LEVERING
LAUREL 3 W	5111	04	PRRN GEORGES	39 06	76 54	400	MID	MID			H	WASH SUB SANY COMM
MC HENRY 2 NW	5832	08	GARRETT	39 35	79 22	26	8A	8A		C	H	JOSEPH F JOHENNING
MECHANICSVILLE 1 SE	5865	03	ST MARYS	38 26	76 43	16	5P	5P			H	MRS EDITH R BENNETT
MERRILL	5894	08	GARRETT	39 36	79 05	17	9P	9A			H	DELWOOD E MERRILL
MILLINGTON 2 WNW	5985	05	KENT	39 16	75 52	30	5P	5P			H	MRS GERALDINE CONNOLLEY
NEW GERMANY 2	6410	08	GARRETT	39 37	79 08	24	8P			C	H	LESTER BITTINGER
OAKLAND 1 SE	6620	08	GARRETT	39 24	79 24	24	5P	5P			H	MS CARA M WEBER
OWINGS FERRY LANDING	67700	03	KALVERT	38 41	76 40	160	5P	5P			H	JAMES E BOURNE JR
PARKTON 2 SW	6844	06	BALTIMORE	39 38	76 42	600	11P	11P		C	H	JOHN R FOX
PATUXENT RIVER	6915	03	ST MARY'S	38 20	76 25	38	MID	MID		C	H	NAVAL WEATHER SERVICE
POTOMAC FILTER PLANT	7272	06	MONTGOMERY	39 02	77 15	270		MID			H	POTOMAC WATER FILT PLT
PRINCESS ANNE	73300	01	SOMERSET	38 13	75 41	20	5P	5P			H	MARYLAND ST COLLEGE FRM
ROCKVILLE 3 NE	7705	06	MONTGOMERY	39 07	77 06	400	4P	4P			H	MD NATL CAPITAL PARK
ROYAL OAK 2 SSW	7806	02	TALBOT	38 43	76 11	10	6P	6P			H	JOHN L SWAINE JR
SALISBURY	8000	01	WICOMICO	38 22	75 35	10	5P	5P			H	CITY OF SALISBURY
SALISBURY FAA AP	8005	01	WICOMICO	38 20	75 31	48	MID	MID			H	FAA
SAVAGE RIVER DAM	8065	08	GARRETT	39 31	79 08	14	8A	8A		C	H	U S CORPS OF ENGINEERS
SINES DEEP CREEK	8315	08	GARRETT	39 32	79 25	20	40			C	H	PA ELECTRIC COMPANY
SNOW HILL 4 N	83800	01	WORCESTER	38 14	75 23	28	6P	6P			H	CURTIS E SHOCKLEY
SOLOMONS	8405	03	KALVERT	38 19	76 27	12	8A	8A			H	CHESAPEAKE BIOL LAB
TOWSON	8877	06	BALTIMORE	39 23	76 34	39	6P	6P			H	BENDIX FRIEZ
UNIONVILLE	90300	06	FREDERICK	39 27	77 11	43	6P	6P			H	GEORGE P VON EIFF JR
UPPER MARLBORO 3 NNW	90700	04	PRRN GEORGES	38 22	76 47	98	8A	8A		C	H	TOBACCO EXP FARM
VIENNA	91400	02	DORCHESTER	38 29	75 50	12	6P	6P			H	DEL MARVA POWER & LIGHT

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
AUGUST 1981

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER
							LOCAL STD TIME				
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)	
WESTMINSTER POLICE BRK	944006	06	CARROLL	39 33	76 58	765	5P	5P			MARYLAND STATE POLICE JOHN A HILTZ
WOODSTOCK	975006	06	BALTIMORE	39 20	76 52	460	6P	6P		H	
DISTRICT OF COLUMBIA											
DALECARLIA RESVR D C	232504	04		38 56	77 07	146	5P	5P			U S CORPS OF ENGINEERS U S NATL ARBORETUM
NATIONAL ARBORETUM D C	635004	04		38 54	76 59	50	8A	8A		H	
DELAWARE											
BRIDGEVILLE 1 NW	133002	02	SUSSEX	38 45	75 37	50	5P	5P		H	WILLIAM M RAY STATE DIV OF HIGHWAYS UNIV OF DEL SUBSTATION BOARD OF PUBLIC WORKS PIONEER HIBRED CORN CO MRS BERNARD FRANKEL UNIV OF DELAWARE NATL WEATHER SERVICE WATER DEPARTMENT
DOVER	273002	02	KENT	39 09	75 31	30	5P	5P		H	
GEORGETOWN 5 SW	357002	02	SUSSEX	38 38	75 27	45	8A	8A	8A	C	
LEWES	532002	02	SUSSEX	38 46	75 08	15	5P	5P		H	
MIDDLETOWN 1 WSW	585201	01	NEW CASTLE	39 26	75 45	60	4P	4P		H	
MILFORD 2 WSW	591502	02	SUSSEX	38 54	75 28	30	5P	5P		H	
NEWARK UNIVERSITY FARM	641001	01	NEW CASTLE	39 40	75 44	90	5P	5P		H	
WILMINGTON WSO AP	959501	01	NEW CASTLE	39 40	75 36	79	MID	MID		C	
WILMGTN PORTER RESVR	960501	01	NEW CASTLE	39 46	75 32	274	MID	MID		H	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

REFERENCE NOTES

MARYLAND AND
DELAWARE
AUGUST 1981

DEFINITIONS

MONTHLY DEGREE DAY TOTALS: One heating (cooling) degree day is accumulated for each degree that the daily mean temperature is below (above) 65 deg. F.

RESULTANT WIND: The vector sum of wind velocity (direction and speed) divided by the number of observations. In "Supplemental Data" tables, resultant directions are in tens of degrees.

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.

NORMALS: The average value of the meteorological element over the time period - 1941-1970. The normals for National Weather Service localities have been adjusted so as to be representative for the current observation site.

DIVISIONS: Areas within a state of similar climatological characteristics.

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.

LETTERS AND SYMBOLS USED IN THE DATA TABLES

- No record. Data not recorded, determined unreliable by quality control checks, or not received in time for publication. No record in the "Monthly Summarized Data" table and the "Daily Temperature" table is indicated by no entry.
- + Precipitation or temperature extremes occurred on one or more previous dates during the month.
- ++ Highest observed one minute wind speed. The station is not equipped with an instrument to measure fastest mile.
- * Gage not read. The precipitation included in the amount following the asterisks. Time distribution not known.
- // Gage equipped with a windshield.
- ~ Extreme occurred at a station with incomplete data. It may have been exceeded at that station.
- 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.
- B Adjusted monthly value of evaporation. Total evaporation amount is divided by number of recorded days, multiplied by number of days in the month.
- D Water equivalent of snowfall entirely or partially estimated, using a ratio of 1 inch water to every 10 inches of new snowfall.
- M Missing data. It appears with the average temperature in the "Monthly Summarized Station and Divisional Data" table if less than 10 days data are missing and it appears alone if 10 or more days are missing.
- R Amounts from recording gage.
- T Trace. An amount too small to measure.
- V Includes total for previous month.

LETTERS AND SYMBOLS USED IN THE STATION INDEX TABLE

- 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 gage unless indicated by an R.
- G Observations appear in "Soil Temperatures" table.
- H Observations appear in "Monthly Snowfall and Snow on Ground" table.
- J Observations appear in "Supplemental Data" table.
- MID Observation time is midnight.
- S Station equipped with storage gage. Precipitation measurements made at irregular intervals are published in the annual issue of this bulletin. Data prior to 1977 are published in the "Storage Gage Precipitation" which was discontinued with the 1976 issue.
- SR Observation time near sunrise.
- SS Observation time near sunset.
- VAR Observation time varies.
- MO Gage read once monthly, usually the last day.
- OC Gage readings vary from a few weeks to several months.
- WI Gage read weekly or irregularly.
- WM Gage read weekly and last day of month.
- # Thermometers located in a rooftop shelter.
- \$3 Maximum and minimum temperatures are the highest and lowest readings for the calendar day taken from hourly observations.

Additional information regarding the climate of this state 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" 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 will be carried in the July issue of this bulletin. Cooling degree days for the calendar year will be published in the "Climatological Data Annual Summary".

Late Reports and Corrections will be published annually as a supplemental bulletin.

Interpolated values for monthly precipitation totals may be found in the annual issue of this bulletin. Blank entries in the "Daily Precipitation" and "Snowfall and Snow on Ground" tables indicate zero precipitation.

Information concerning the history of changes in locations, exposure, etc. of substations through 1955 is available in the "Substation History" publication. Subsequent historical information is kept on file at the National Climatic Center. Similar information for regular National Weather Service Offices may be obtained from the "Local Climatological Data" annual publication.

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

USCOMM-NOAA-ASHEVILLE, N.C. AUGUST 1981-0895

M A R Y L A N D - D E L A W A R E A U G U S T 1 9 8 1

SPECIAL WEATHER SUMMARY

August 1981 temperatures averaged below normal across the two-state area, ranging from near normal to 4.5° below normal. This was the coolest August since 1976. The longest continuous period with either hot or cool days was the seven-day cool spell, from the 17th through the 23d. The Damascus observer noted 11 consecutive days, from the 17th through the 27th, in which the daily minimum temperatures remained below 60°. The periods with above normal temperatures were generally short and except for the period from the 17th through the 23d were interrupted by two or three cool days. Highest temperatures, occurring on several different days, ranged from low and mid 80's in the Garrett County area to upper 80's and low 90's elsewhere. Lowest temperatures, occurring on the 18th, ranged mostly from upper 40's to upper 50's except in upper 30's to upper 40's in western Maryland. The 38° at Oakland on the 18th was not unusual for August at the station.

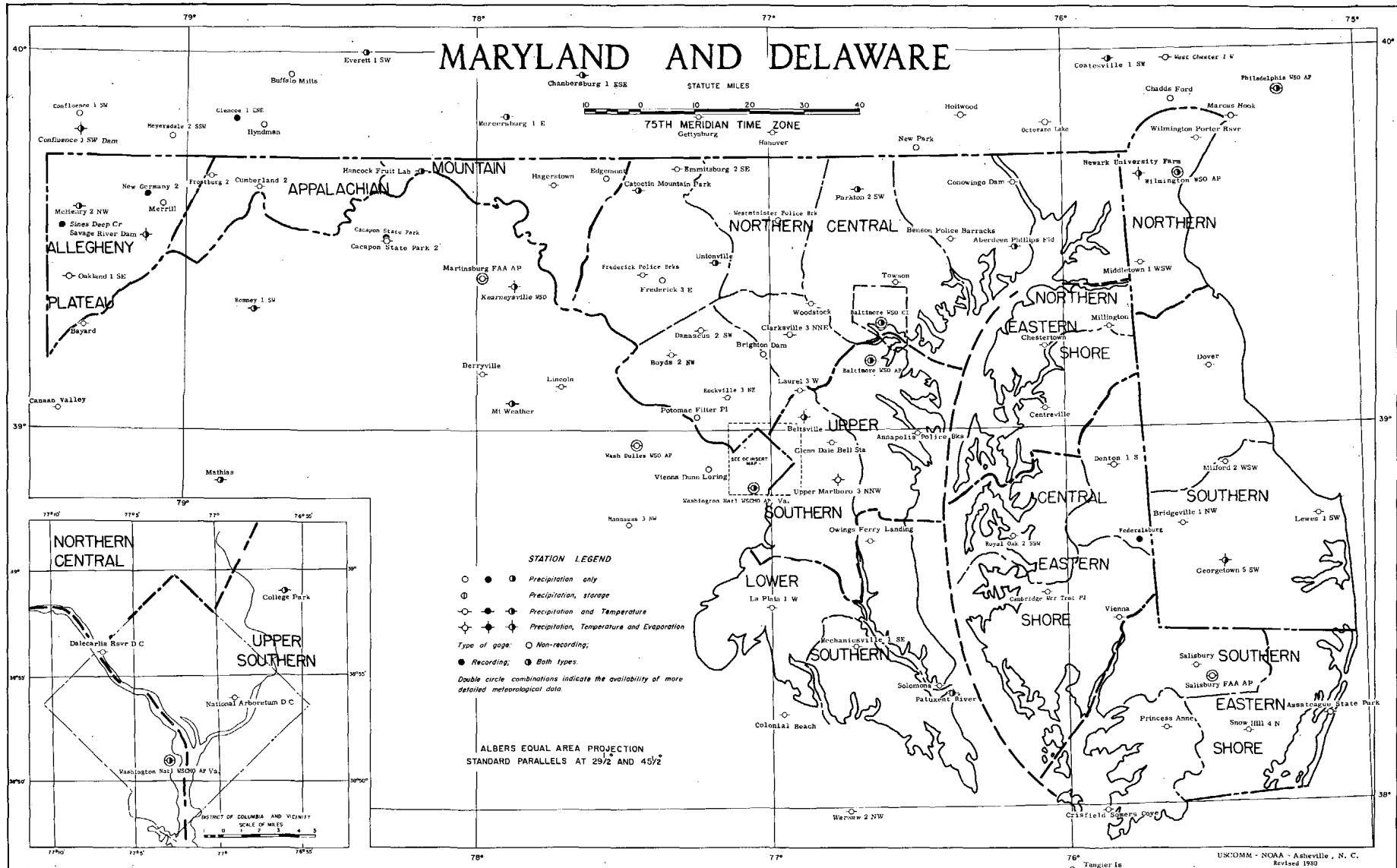
Rainfall was mostly below normal across the two-state area, but ranged from less than 1 inch in parts of Anne Arundel and Calvert Counties to over 5 inches in parts of southern eastern shore, and in parts of Montgomery, northern Prince George's Queen Anne's,

and Cecil Counties. The greatest total reported was 6.95 inches near New Carrollton. Thunderstorms were reported on the 8th, 12th, 16th, and 31st east of the Maryland mountains and in Delaware. Last year's August rainfall was much below normal except much above normal in Farrett County.

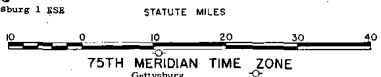
Severe storms reported during the month were:

- 1.) Heavy thunderstorm rainfall as much as 5 inches in 3 hours and minor flooding at Pocomoke City, Worcester County on the 12th.
- 2.) Some minor beach erosion along the Atlantic Coast, especially in Delaware on the 20th as a result of Hurricane Dennis.
- 3.) Heavy thunderstorm rainfall as much as 4 inches in 1 1/2 hours and minor flooding in northern Prince George's County on the 31st.

W. J. Moyer, State Climatologist
University of Maryland
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College Park, MD 20742



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 45 1/2

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