

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

NOVEMBER 1986

VOLUME 90 NUMBER 11



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28801

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ASHEVILLE NORTH CAROLINA

TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND AND
DELAWARE
NOVEMBER 1986

MARYLAND
HIGHEST TEMPERATURE 80
LOWEST TEMPERATURE 4
GREATEST TOTAL PRECIPITATION 8.94
LEAST TOTAL PRECIPITATION 1.85
GREATEST 1 DAY PRECIPITATION 1.50
GREATEST TOTAL SNOWFALL 3.0
GREATEST DEPTH OF SNOW OR ICE 1

DELAWARE
HIGHEST TEMPERATURE 79
LOWEST TEMPERATURE 19
GREATEST TOTAL PRECIPITATION 7.10
LEAST TOTAL PRECIPITATION 3.57
GREATEST 1 DAY PRECIPITATION 1.48

NOVEMBER 9
NOVEMBER 14

NOVEMBER 5
NOVEMBER 22+

NOVEMBER 10+
NOVEMBER 15+

NOVEMBER 27

2 STATIONS
OAKLAND 1 SE
CONOWINGO DAM
CRISFIELD SOMERS COVE
WESTMINSTER POLICE BRK
FROSTBURG 2
2 STATIONS

4 STATIONS
2 STATIONS
NEWARK UNIVERSITY FARM
GEORGETOWN 5 SW
MILFORD 4 SE

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
NOVEMBER 1986

STATION	TEMPERATURE (°F)													PRECIPITATION (IN)														
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	SNOW, SLEET									
											90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW					TOTAL	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 ISLAND NATL SE	59.9	39.0	49.5		78	10	21	14	458	1	0	0	5	0	3.09													
CRISFIELD SOMERS COVE	58.0	42.0	50.0	-1.5	73	9	26	14	446	0	0	0	3	0	1.85	-1.24												
PRINCESS ANNE	60.4	38.5	50.5	1.5	79	9	22	15+	464	0	0	0	7	0	2.52	-1.72												
SALISBURY	59.6	40.5	50.3	.8	79	9	24	14	441	0	0	0	4	0	3.04	-1.07												
SALISBURY FAA AP	58.0	38.5	48.3	.6	80	9	22	14	501	0	0	0	8	0	3.35	.29												
SNOW HILL 4 N	59.6	39.9	49.8	1.3	79	9	21	14	456	6	0	0	7	0	2.39	-1.99												
--DIVISIONAL DATA-->			49.6	.7											2.71	-1.48												
CENTRAL EASTERN SHORE 02																												
CAMBRIDGE WTR TRMT PL	58.3	41.1	49.7	1.3	78	10+	23	15	456	5	0	0	4	0	3.67	-.05												
DENTON 2 E	57.0	36.8	46.9	-1.7	78	9	18	14	540	4	0	0	8	0	4.49	.96												
ROYAL OAK 2 SSH	56.0	39.4	47.7	-1.2	75	9	22	14	516	0	0	0	5	0	4.36	.63												
VIENNA	59.2	38.5	48.9	-1.1	80	9	22	14	479	0	0	0	6	0	2.08	-1.24												
--DIVISIONAL DATA-->			48.3	-.2											3.65	.12												
LOWER SOUTHERN 03																												
LA PLATA 1 W	55.1	37.7	46.4	-.9	76	9	19	14	553	3	0	0	8	0	3.78	.58												
MECHANICSVILLE 1 E	55.7	36.6	46.2		78	9	17	14	562	4	0	0	11	0	3.97													
OWINGS FERRY LANDING	55.4	36.8	46.1	-1.8	77	9	19	14	563	0	0	0	9	0	4.91	1.58												
PATUXENT RIVER	56.6	41.7	49.2		79	9	26	14	473	3	0	0	4	0	2.91													
--DIVISIONAL DATA-->			47.0	-1.0											4.22	.88												
UPPER SOUTHERN 04																												
ANNAPOLIS POLICE BRKS	55.9	35.0	45.5		78	9	18	14	581	2	0	0	13	0	5.73													
BALTIMORE WSO AP	53.6	35.9	44.8	-1.5	76	9	18	14	598	0	0	0	11	0	5.96	2.85												
BELTSVILLE	53.6	33.2	43.4	-1.6	76	10	13	15	641	0	0	0	15	0	5.96	2.99												
COLLEGE PARK	55.4	36.9	46.2	-.7	77	10	20	15+	558	0	0	0	7	0	5.87	2.77												
DALECARLIA RESVR D C	55.4	33.5	44.5	-2.5	76	9	17	14+	610	0	0	0	13	0	5.63	2.48												
GLENN DALE BELL STN	55.4	33.2	44.3	-2.0	76	9	13	14	613	2	0	0	13	0	6.28	2.94												
LAUREL 3 W	54.3	37.4	45.9	-1.6	74	9	17	14	576	0	0	0	6	0	6.10	2.70												
NATIONAL ARBORETUM D C	56.0	32.7	44.4	-3.7	77	10	16	15	611	1	0	0	15	0	5.82	2.74												
UPPER MARLBORO 3 NNW	54.5	33.5	44.0		77	10	18	14	624	0	0	0	15	0	5.92	2.76												
--DIVISIONAL DATA-->			44.8	-1.8											5.92	2.79												
NORTHERN EASTERN SHORE 05																												
CHESTERTOWN	53.5	36.3	44.9	-2.1	75	9	22	14	595	0	0	0	8	0	5.70	2.24												
MILLINGTON 1 SE	55.3	35.0	45.2	-.9	76	9	19	14	591	3	0	0	11	0	5.48	2.01												
--DIVISIONAL DATA-->			45.1	-1.9											5.59	2.19												
NORTHERN CENTRAL 06																												
ABERDEEN PHILLIPS FLD	52.0	38.8	46.3	-2.9	73	9	21	14	554	0	0	0	8	0	6.71													
BALTIMORE WSO CI	53.8	38.8	46.3		75	9	21	14	554	0	0	0	5	0	5.95	2.61												
BENSON POLICE BARRACKS	55.2	34.0	44.6	-.7	71	9+	17	14	603	0	0	0	14	0	7.67	3.78												
BOYDS 2 NW	52.6	35.7	44.2		71	9	15	14	618	0	0	0	9	0	5.38													
CATOCTIN MOUNTAIN PARK	48.0	33.6	40.8		62	9	14	14	719	0	0	0	11	0	5.52													
CLARKSVILLE 3 NNE	54.1	32.7	43.4		75	9	14	15	639	0	0	0	15	0	6.01													
CONOWINGO DAM	51.2	32.2	41.7	-2.4	72	9	20	14	689	0	0	0	17	0	8.94	5.46												

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
NOVEMBER 1986

STATION	TEMPERATURE (°F)											PRECIPITATION (IN)												
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	SNOW, SLEET					
											90 OR ABOVE	32 OR BELOW	NO. OF DAYS						TOTAL	MAX. DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
													MAX	MIN										
DAMASCUS 2 SW	50.7	35.2	42.0		69	9	13	14	654	0	0	0	0	5.62		1.37	11		T	T		10	4	1
EMMITSBURG 2 SE	51.2	32.0	41.6		67	9	15	14	655	0	0	0	0	5.58		.83	11		.0	.0		13	4	0
FREDRICK POLICE BRKS	53.7	35.9	44.8		68	2	19	15	597	0	0	0	0	5.33		.25	11		.0	.0		9	5	1
PARKTON 2 SW	50.8	31.1	41.0		69	2	13	14	714	0	0	0	0	6.90		1.27	11		.0	.0		9	6	4
ROCKVILLE 1 NE	52.0	33.4	42.7	-3.6	73	9	15	14	669	0	0	0	0	7.69	2.63	1.04	11		.0	.0		9	6	4
TOWSON	55.3	33.4	44.4		72	9	16	14	614	0	0	0	0	7.60	3.77	1.04	11		.0	.0		11	8	3
UNIONVILLE	53.3	28.5	40.9	-2.3	68	2	12	14	716	0	0	0	0	6.52	3.43	1.00	11		T	T		12	7	1
WESTMINSTER POLICE BRK	51.6				68	9	22	20		0	0	0	0	7.27	4.06	1.50	5		.0	.0		11	7	2
WOODSTOCK	53.2	34.4	43.8	-.9	75	9	15	14	633	2	0	0	2	5.94	2.66	1.25	11		.0	.0		11	6	1
--DIVISIONAL DATA-->			43.1	-2.1										6.41	3.06				.0					
APPALACHIAN MOUNTAIN																								
07																								
CUMBERLAND 2	51.1	33.1	42.1	-2.0	60	9+	13	14+	678	0	0	0	14	4.47	2.06	.80	19		.0	.0		11	4	0
FROSTBURG 2	46.3	30.7	38.5		65	9	7	15	788	0	0	0	218	5.28		.88	19		3.0	.0	14	11	6	0
HAGERSTOWN	50.8	35.2	43.0	-1.3	63	9	15	14	652	0	0	0	10	4.39		.93	5	M	.0	.0		12	3	0
HANCOCK FRUIT LAB	51.8	33.3	42.6	-.2	63	9	12	14	666	0	0	0	15	4.22	1.55	.72	6		.0	.0		9	5	0
--DIVISIONAL DATA-->			41.6	-2.0										4.66	1.92				1.0					
ALLEGHENY PLATEAU																								
08																								
MC HENRY 2 NW	46.3	29.3	37.8		70	9	5	14	808	0	0	0	219	6.03		.82	27+		1.5	T	22+	14	6	0
OAKLAND 1 SE	50.0	31.7	40.9	1.7	71	8	4	14	716	0	0	0	16	6.08	2.94	.92	5		T	T		14	6	0
SAVAGE RIVER DAM	48.0	31.1	39.6	-.7	60	3	8	15+	757	0	0	0	218	4.48	2.13	.82	21		T	T		10	4	0
--DIVISIONAL DATA-->			39.4	.3										5.53	2.53				.5					
DELAWARE																								
NORTHERN																								
01																								
MIDDLETOWN 3 E	53.9	35.3	44.6		75	9	19	14	605	0	0	0	11	5.72		1.16	5		.0	.0		9	6	2
NEWARK UNIVERSITY FARM	53.8	34.5	44.2	-1.6	72	9	19	15+	618	0	0	0	15	7.10	3.91	1.04	26		.0	.0		11	7	1
WILMINGTON WSO AP	52.9	35.3	44.1	-1.5	73	9	20	14	619	0	0	0	11	6.42	3.09	1.26	5		T	T		10	6	2
WILMGTN PORTER RESVR	52.3	35.5	43.9	-1.3	70	9	21	14	628	0	0	0	12	6.06	2.30	1.14	5		.0	.0		10	5	2
--DIVISIONAL DATA-->			44.2	-1.6										6.33	2.95				.0					
SOUTHERN																								
02																								
DOVER	57.6	38.1	47.9	-.3	79	9	24	14	513	5	0	0	7	5.46	1.93	.76	27		.0	.0		11	5	0
GEORGETOWN 5 SW	57.3	36.5	46.9	-.3	79	10	20	15	534	0	0	0	7	3.57	.28	.81	27		.0	.0		11	2	0
GREENWOOD 2 NE	57.3	38.2	47.8		79	9	21	14	514	0	0	0	6	4.25		1.05	27		.0	.0		10	4	1
LEWES	57.4	41.2	49.3	1.3	78	9	25	15+	467	5	0	0	4	3.85		.89	9		.0	.0		9	3	0
MILFORD 4 SE	56.6	38.2	47.4	-.2	79	9	23	15+	525	4	0	0	5	4.56	1.13	1.48	27		.0	.0		11	4	1
--DIVISIONAL DATA-->			47.9	.1										4.46	1.09				.0					

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
NOVEMBER 1986

STATION	TOTAL	DAY OF MONTH														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
MARYLAND																
SOUTHERN EASTERN SHORE 01																
ASSATEAGUE ISLAND NATL SE	3.09					.32	.24	.10	.14	.02		.05	.62	.05	.02	
CRISFIELD SOMERS COVE	1.85						.20	.14	.03				.48			
PRINCESS ANNE	2.52					.24	.14	.04	.15			.28	.22			.08
SALISBURY	3.04		.11			.25	.20	.03	.10	.01	.08	.24	.22			.08
SALISBURY FAA AP	3.35		.10			.33	.19	.04	.03	.10		.63	.37			.13
SNOW HILL 4 N	2.39		.11			.28	.25	.02	.05	T	T	.25	.19	.01		.11
CENTRAL EASTERN SHORE 02																
CAMBRIDGE WTR TRMT PL	3.67		.35			.32	.30	.04	.22	T		.20	.20	.33		.01
DENTON 2 E	4.49		.30			.46	.54	.02	.29	.17		.50				.04
ROYAL OAK 2 SSW	4.36		.33			.39	.34	.03	.25	.13		.53				.01
VIENNA	2.08		.10			.21	.37	.04	.02			.45		.01		.05
LOWER SOUTHERN 03																
LA PLATA 1 W	3.78					.48	.15	.11	.22	.14		.57				
MECHANICSVILLE 1 E	3.97		.32	.28		.49	.15	.11	.19	.06		.66	.01			T
OWINGS FERRY LANDING	4.91		.45			.67	.15	.03	.42	.19	.01	.60				T
PATUXENT RIVER	2.91		.12			.52	.01	.11	.02	.15		.52	T			.02
UPPER SOUTHERN 04																
ANNAPOLIS POLICE BRKS	5.73				.03	.96	.40	.02	.54	.01		.69				
BALTIMORE WSO AP	5.96		.11		.66	1.41	T	.52	.11	T		.70				
BELTSVILLE	5.96		.66	.01	.01	.58	.79		.60			.32	.43			
COLLEGE PARK	5.87		.67		.07	.48	.72		.50		.01	.30	.42			T
DALECARLIA RESVR D C	5.63		.62		.02	.83	.34	.01	.34	.30		.80				
GLENN DALE BELL STN	6.28		.80		.09	.79	.49	.02	.47		.03	.80	.02			
LAUREL 3 W	6.10		.13			1.42	.49	.67	.10	.07		.83				
NATIONAL ARBORETUM D C	5.82		.88	.01		.52	.74	.03	.40	.10		.83	.52			
UPPER MARLBORO 3 NNW	5.92		.66			.48	.65		.53		.13	.22	.48			
NORTHERN EASTERN SHORE 05																
CHESTERTOWN	5.70		T	.66	.07	1.12	.01	.21	.41	T		.56				
MILLINGTON 1 SE	5.48		.62		.06	.63	.66	T	.57	T		.58	.03			
NORTHERN CENTRAL 06																
ABERDEEN PHILLIPS FLD	6.71				.71	.58	.77	T	*	*	.72	.78	.69			
BALTIMORE WSO CI	5.95		.08	.61	.14	1.26	.01	.36	.18			1.14				
BENSON POLICE BARRACKS	7.67		.64		.17	.72	.78	.01	.60	.05		1.14				
BOYDS 2 NW	5.38		.80		.01	.95	.11	.32	.03	.06		1.07				
BRIGHTON DAM	6.03		.12	.80	.10	1.20	T	.55	.10	T		1.00				
CATOCTIN MOUNTAIN PARK	5.52		.27			.65	.56	.04	.37	.15		.77				
CLARKSVILLE 3 NNE	6.01		.70		.13	.78	.37	.06	.52	.05		1.05	.04			T
CONOWINGO DAM	8.94		.40	.01	.17	1.09	.07	.44	.97	.19		1.17	1.05			
DAMASCUS 2 SW	5.62		.66		.04	.96	.13	.09	.40	.03		1.37				T
EMMITSBURG 2 SE	5.58		.18			.71	.41	.02	.41	.04		1.83		T		T
FREDRICK POLICE BRKS	5.33		.60			.44	.36	T	.51	.06		1.25				
FREDERICK 3 E	6.82		1.02			.46	.82		.59	.06	.03	1.24	1.39			
PARKTON 2 SW	6.90		.55			1.22	.08	.41	.09	.04		1.27				
POTOMAC FILTER PLANT	5.21		.85		.05	1.10		.48	.06			.80				
ROCKVILLE 1 NE	5.69		.72		.07	1.24		.60	.02	.02		.86				
TOWSON	7.60		.63		.02	.92	.72	.02	.58	.02		1.21				
UNIONVILLE	6.52			.68		1.01	.10	.30	.11	.80	.72	1.47				T
WESTMINSTER POLICE BRK	7.27		.69		.05	1.50	.57	.01	.39	.04		1.31				
WOODSTOCK	5.94		.71		.14	.66	.62		.48	.03		1.25				

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (CONT)

MARYLAND AND
DELAWARE
NOVEMBER 1986

STATION	DAY OF MONTH															
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MARYLAND																
SHORE																
SOUTHERN EASTERN SHORE 01																
ASSATEAGUE ISLAND NATL SE	.26			.24	.01	.34	.01		.44		.02	.21				
CRISFIELD SOMERS COVE					.43				.57							
PRINCESS ANNE	.09					.47			.45			.25				
SALISBURY	.06			.29	.02	.20	T	.08	.26		.02	.80				
SALISBURY FAA AP	.01				.30	.02		.01	.37		.44					
SNOW HILL 4 N	.13		.35	.19	T	.26			.42		T	.12				
CENTRAL EASTERN SHORE																
CAMBRIDGE WTR TRMT PL 02				.31	.01	.51			.09		.13	.65				
DENTON 2 E				.63	.05	.57			.14		.31	.47				
ROYAL OAK 2 SSW				.58	.04	.56			.14		.34	.69				
VIENNA			.04	.22		.36			.14		.07					
LOWER SOUTHERN SHORE																
LA PLATA 1 W 03				.32	.16	.58			.08		.69	T				
MECHANICSVILLE 1 E				.30	.47	.20		T	.06		.52	.42				
OWINGS FERRY LANDING				.54	.20	.76			.11		.67	.12				
PATUXENT RIVER			.33		.39	.01		T	.08		.63					
UPPER SOUTHERN SHORE																
ANNAPOLIS POLICE BRKS 04					.14	1.00			.13		.93	.12				
BALTIMORE WSO AP R			.31		1.02				.10		.91					
BELTSVILLE				.41		.96			.09		.52	.58				
COLLEGE PARK				.47		.96			.11	.02	.51	.63				
DALECARLIA RESVR D C				.38	.29	.65			.10		.90	.02				
GLENN DALE BELL STN				.55	.14	.87			.12		.82	.30				
LAUREL 3 W			.50		1.20				.16		1.02					
NATIONAL ARBORETUM D C				.42		1.01			.07	.02	.49	.61				
UPPER MARLBORO 3 NNW				.62		1.02			.07	.04	.41	.61				
NORTHERN EASTERN SHORE																
CHESTERTOWN 05			.72		.74	.04			.19		.97					
MILLINGTON 1 SE				.66	T	.65			.19	T	.79	.04				
NORTHERN CENTRAL SHORE																
ABERDEEN PHILLIPS FLD 06				.72	.60	.98		*	.28		.66	*	.00			
BALTIMORE WSO CI R			.34		1.08				.10		1.01					
BENSON POLICE BARRACKS				.66	.28	1.18			.28	.02	.85	.29				
BOYDS 2 NW				.32	.18	.52			.14		.87					
BRIGHTON DAM					.85				.15		.80					
CATOCTIN MOUNTAIN PARK				.35	.39	.66	.01			.01	.65	.01				
CLARKSVILLE 3 NNE				.32	.38	.70			.22	.01	.77	.03				
CONOWINGO DAM				.62	1.28	.03			.12		1.33					
DAMASCUS 2 SW				T	.28	.40	.27		.19		.80					
EMMITTSBURG 2 SE				.25	.72	.36	.72		.15	.25	.35					
FREDERICK POLICE BRKS				.05	.47	.08	.71		.18		.62					
FREDERICK 3 E					.58		.72		.09	.31	.33					
PARKTON 2 SW //				.70	.02	1.03	T		.21		1.15					
POTOMAC FILTER PLANT				.25		.76			.09		.77					
ROCKVILLE 1 NE				.28		.76			.12		.80					
TOWSON					.58	.30	1.11	.02	.24		1.01					
UNIONVILLE				.59		.80			.19		.75					
WESTMINSTER POLICE BRK				.02	.69	.16	.73		.20		.69	.22				
WOODSTOCK					.42	.22	.67		.18		.56					

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
NOVEMBER 1986

STATION	TOTAL	DAY OF MONTH														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
MARYLAND																
APPALACHIAN MOUNTAIN 07																
CUMBERLAND 2	4.47		.10		.05	.48	.75		.17	.10	T	.10	.38		T	
EDGEMONT	5.78		.32			.37	.75	T	.33	.14	.18	.11	.66			
FROSTBURG 2	5.28		.14	T	.11	.54	.85	T	.22	.18	.04	.09	.51	T	.06	
HAGERSTOWN	4.39	M	.34			.93	.22	.11	.23	.11	T	.73				
HANCOCK FRUIT LAB	4.22		.05		T	.60	.38	.06	.22	T		.54				
DELAWARE																
ALLEGHENY PLATEAU 08																
MC HENRY 2 NW	6.03		.07	.02	.20	.67	.60	T	.12	.60	.11	.28	.43	T	.04	
MERRILL	4.74		.20		.12	.57	.60		.12	.22		.02	.45	T	.02	
OAKLAND 1 SE	6.08		.18		.16	.92	.84	.10	.18	.50		.62	.04	T	T	
SAVAGE RIVER DAM	4.48		.12	T	.07	.65	.80	T	.08	.16	.02	.18	.27	T		
MARYLAND																
NORTHERN MIDDLETOWN 3 E 01																
NEWARK UNIVERSITY FARM	5.72		.43		.10	1.16			.70			.62				
WILMINGTON WSO AP	7.10		.44		.16	.65	.74	.05	.85	.04		.76	.01			
WILMINGTON PORTER RESVR	6.42	R	.46		.14	1.26	.01	.20	.60	T		.69		T		T
	6.06		.46		.14	1.14	.12	.10	.72	.05		1.07				.06
DELAWARE																
SOUTHERN DOVER 02																
GEORGETOWN 5 SW	5.46		.35		.01	.49	.58		.35	T	.12	.35	.03			
GREENWOOD 2 NE	3.57		.16			.29	.40	.01	.17		.09	.10	.55	.01		
LEWES	4.25		.23			.49	.24	T	.20	.05		.52				.07
MILFORD 4 SE	3.85	M	.07						.89	.89		.57	.10	.01		.23
	4.56		.21			.55	.22		.22	.04		.55	.02			.10

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (CONT)

MARYLAND AND
DELAWARE
NOVEMBER 1986

STATION	DAY OF MONTH															
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
APPALACHIAN MOUNTAIN CUMBERLAND 2 07				.80		.60										
EDGEMONT			1.14		1.04			.20	.05		.30	.59				
FROSTBURG 2	T			.88		.74	T		.04	.23	.27					
HAGERSTOWN			.41	.14	.64	.39			.05		.25	.62		T		
HANCOCK FRUIT LAB			.18	.54	.29				.14				-	-	-	
									.62		.72	.02				
ALLEGHENY PLATEAU 08																
MC HENRY 2 NW	T			.58		.82	.09		.14	.10	.34	.82	T			
MERRILL					.80	.81			.04		.32	.45				
OAKLAND 1 SE	T		.23	.34	.74	.23			.18		.73	.05				
SAVAGE RIVER DAM				.48		.82	T		.02	.02	.27	.52		T	T	
DELAWARE																
NORTHERN MIDDLETOWN 3 E 01																
NEWARK UNIVERSITY FARM				.67	.75				.23		1.06					
WILMINGTON WSO AP	R			.80	.06	.80		.02	.25	T	1.04	.43				
WILMINGTON PORTER RESVR			.86	.02	.76	T			.21		1.21					
			.83	.03	.90	T		T	.09		.35					
SOUTHERN																
DOVER 02																
GEORGETOWN 5 SW	.17			.73	.05	.52			.67		.45	.76				
GREENWOOD 2 NE				.28		.40			.12		.01	.81				
LEWES	.06			.55	T	.61			.11		.13	1.05				
MILFORD 4 SE	.02			.30		.45			.12	.12	.05	.88				
				.42		.52			.11		.10	1.48				

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
NOVEMBER 1986

STATION	DAY OF MONTH																															AVERAGE
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MARYLAND																																
SOUTHERN EASTERN SHORE 01																																
ASSATEAGUE ISLAND NATL SE	MAX	65	70	67	60	68	62	60	68	76	78	59	58	49	50	42	45	54	57	61	55	60	50	54	61	59	61	66	60	61	62	
	OBS																															
	MIN	50	54	42	41	50	47	45	46	56	45	40	39	37	21	26	35	37	36	34	30	37	28	30	40	***	33	34	48	38	38	33
	OBS																															
CRISFIELD SOMERS COVE	MAX	72	71	60	64	59	61	58	66	73	63	55	53	49	41	44	52	52	59	56	58	58	48	53	55	53	64	66	65	56	55	
	OBS				***												***	***	***													
	MIN	43	52	54	42	44	46	46	56	62	46	37	39	40	26	28	42	34	40	40	31	43	40	33	48	38	41	53	41	39	35	
	OBS	60			***												***	***									***					
PRINCESS ANNE	MAX	75	68	66	66	61	61	59	72	79	72	54	58	48	40	42	51	56	62	59	60	62	52	55	62	57	71	71	57	60	57	
	MIN	41	53	45	39	46	48	42	55	62	48	35	42	36	22	22	40	36	38	39	27	40	28	30	46	30	36	35	33	33	29	
	OBS																								26							
SALISBURY	MAX	75	69	66	67	61	60	60	72	79	61	53	49	48	40	42	50	58	61	54	60	60	53	58	61	58	71	72	55	60	55	
	MIN	43	56	44	42	45	49	45	56	61	46	39	42	36	24	26	40	39	39	39	29	40	33	30	47	34	42	52	38	37	35	
SALISBURY FAA AP	MAX	72	68	59	66	61	61	61	72	80	58	53	47	47	40	42	49	58	61	54	62	47	51	59	62	53	70	62	54	59	51	
	MIN	42	55	42	40	46	45	43	61	58	36	37	42	27	22	24	41	37	38	28	29	39	30	28	47	32	41	40	37	35	34	
SNOW HILL 4 N	MAX	73	66	65	61	60	61	59	71	79	69	61	50	48	41	41	50	59	60	58	59	61	52	59	62	58	68	68	55	59	55	
	MIN	40	54	45	39	50	50	45	56	62	47	39	41	39	21	23	39	36	36	41	29	41	29	26	49	32	37	53	34	33	30	
CENTRAL EASTERN SHORE 02																																
CAMBRIDGE WTR TRMT PL	MAX	68	71	66	62	60	55	57	65	78	78	52	50	50	39	43	47	58	60	57	51	59	60	56	56	53	65	64	55	58	57	
	MIN	47	57	43	41	42	47	45	54	61	47	40	42	38	26	23	40	37	37	39	32	40	39	28	49	39	39	49	39	33	39	
	OBS																															
DENTON 2 E	MAX	71	69	59	64	54	57	55	68	78	59	47	52	48	37	42	52	60	59	55	57	60	50	52	54	51	69	69	53	59	51	
	MIN	37	43	35	41	40	45	39	53	59	42	34	40	33	18	21	39	43	33	35	26	38	30	26	48	30	35	46	33	31	31	
ROYAL OAK 2 SSW	MAX	66	68	58	62	57	55	55	68	75	61	47	51	48	37	44	50	57	60	56	46	58	49	54	54	52	64	65	52	59	53	
	MIN	40	54	40	46	41	45	41	54	58	45	37	43	35	22	31	40	36	36	38	27	39	37	31	48	31	36	45	34	35	37	
VIENNA	MAX	70	71	61	63	63	60	60	67	80	67	54	51	50	38	42	52	59	61	56	60	60	52	57	57	56	69	70	55	56	60	
	MIN	43	43	43	44	44	48	43	43	54	42	38	39	34	22	25	34	37	37	30	29	41	35	29	48	32	40	50	36	38	35	
	OBS																															
LOWER SOUTHERN 03																																
LA PLATA 1 W	MAX	63	67	64	65	58	58	54	68	76	59	49	50	48	38	41	52	58	58	53	38	48	51	55	54	52	53	56	53	60	54	
	MIN	41	54	46	42	43	42	43	52	59	41	38	42	33	19	24	39	34	34	34	27	36	28	30	46	29	38	42	33	32	30	
MECHANICSVILLE 1 E	MAX	60	70	64	65	56	59	53	70	78	59	47	49	46	37	42	51	57	57	54	42	49	50	55	56	52	59	57	53	62	61	
	MIN	39	49	46	39	43	42	40	53	59	39	35	42	34	17	21	39	33	32	32	24	37	27	26	47	29	38	45	31	31	29	
OWINGS FERRY LANDING	MAX	66	70	65	64	54	58	53	69	77	62	47	51	46	37	41	51	59	58	54	41	49	51	54	53	51	56	58	52	60	54	
	MIN	40	51	41	39	42	42	40	52	57	41	35	41	33	19	21	38	33	32	36	26	36	29	27	47	29	38	45	33	32	30	
PATUXENT RIVER	MAX	69	70	57	64	56	58	57	72	79	57	50	48	48	50	48	53	55	55	52	59	50	49	55	60	52	68	55	55	61	50	
	MIN	48	52	45	45	46	45	48	56	57	44	46	45	28	26	28	43	40	39	35	34	40	33	32	48	40	46	43	40	37	41	
UPPER SOUTHERN 04																																
ANNAPOLIS POLICE BRKS	MAX	63	70	67	59	56	57	54	66	78	63	63	58	45	33	41	48	56	56	53	51	49	50	51	53	55	51	59	53	61	59	
	MIN	41	49	40	40	38	38	42	48	55	39	37	37	31	18	22	34	32	31	31	27	25	25	24	44	28	35	43	31	30	35	
BALTIMORE WSO AP	MAX	59	71	55	57	48	59	52	63	76	53	46	51	45	36	45	54	58	58	51	43	48	52	53	52	49	55	58	52	59	51	
	MIN	43	46	40	44	39	42	43	52	52	36	38	38	26	18	19	39	36	37	30	28	36	30	27	37	28	41	38	32	31	32	
BELTSVILLE	MAX	57	58	69	57	58	46	57	54	70	76	50	45	53	41	37	44	52	58	58	46	44	48	52	53	52	51	55	56	53	57	
	MIN	36	47	35	41	38	39	39	44	53	41	33	37	30	18	13	22	32	34	38	23	30	27	25	30	27	32	42	30	30	29	
COLLEGE PARK	MAX	59	60	70	57	58	60	58	60	70	77	52	46	54	42	40	52	54	60	60	43	44	50	54	55	58	52	52	58	49	59	
	MIN	39	51	37	43	39	40	41	45	57	42	36	40	39	20	20	34	33	36	38	27	35	34	28	47	29	41	42	32	33	30	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
NOVEMBER 1986

STATION	DAY OF MONTH																															AVERAGE
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
DALECARLIA RESVR D C	MAX MIN	58 37	70 47	59 35	56 40	65 42	60 38	54 36	65 49	76 48	63 38	47 29	54 37	49 17	39 17	48 19	54 34	58 31	59 39	55 35	40 27	50 20	54 28	54 25	53 44	53 27	49 37	59 39	52 31	58 31	52 27	55.4 33.5
GLENN DALE BELL STN	MAX MIN	58 38	59 40	56 33	58 39	56 38	59 40	59 38	63 49	76 58	73 40	50 32	50 36	50 34	38 13	41 18	50 27	62 31	57 30	53 36	42 20	48 33	52 25	54 23	54 45	52 23	50 35	62 39	58 29	62 28	60 25	55.4 33.2
LAUREL 3 W	MAX MIN	58 50	59 47	58 37	57 38	53 39	58 41	52 48	65 49	74 49	62 38	45 37	54 30	53 24	37 17	44 28	53 43	60 45	59 39	57 28	41 35	47 34	52 37	52 33	52 39	50 39	54 47	57 40	52 35	58 37	56 32	54.3 37.4
NATIONAL ARBORETUM D C	MAX MIN	56 36	59 45	70 35	67 36	64 38	61 38	59 39	61 40	76 55	77 40	40 34	46 38	54 34	43 17	39 16	46 27	53 32	59 32	60 33	55 24	51 27	48 28	53 26	55 28	53 26	52 26	54 41	58 31	53 31	58 29	56.0 32.7
UPPER MARLBORO 3 NNW	MAX MIN	68 36	59 42	70 36	57 40	58 40	44 41	58 39	54 43	70 53	77 40	52 33	45 41	52 37	42 18	38 19	42 25	53 31	59 32	59 33	44 24	44 30	49 29	53 25	55 27	53 28	52 30	57 41	57 31	53 31	60 29	54.5 33.5
NORTHERN EASTERN SHORE 05																																
CHESTERTOWN	MAX MIN	59 39	67 47	58 36	54 43	50 39	52 41	53 40	64 52	75 54	54 38	45 35	52 39	44 29	38 22	46 23	55 40	62 38	59 37	51 29	43 26	46 37	50 30	55 28	52 40	47 30	62 37	55 39	51 34	58 33	48 33	53.5 36.3
MILLINGTON 1 SE	MAX MIN OBS	59 35	68 52	57 33	54 40	51 38	54 41	54 37	67 51	76 59	61 40	45 33	53 37	45 34	38 19	43 20	53 26	60 36	60 36	53 35	49 24	58 35	50 27	53 25	52 47	50 28	68 26	67 44	51 31	59 30	50 29	55.3 35.0
NORTHERN CENTRAL 06																																
ABERDEEN PHILLIPS FLD	MAX MIN			54 32	55 47	54 39	53 44	52 42	73 52		52 39		52 38	49 30	35 21		56 27	58 38	56 39	54 36	41 30	46 40	51 27		51 46	51 30	48 41		50 32			52.0 M
BALTIMORE WSO CI	MAX MIN	60 44	72 46	56 41	56 47	47 37	58 42	52 44	62 52	75 53	54 42	45 39	52 39	46 26	38 21	43 28	54 40	57 44	57 44	51 30	44 27	46 36	55 34	52 34	53 42	48 36	54 40	59 45	53 38	63 40	51 34	53.8 38.8
BENSON POLICE BARRACKS	MAX MIN	60 35	71 48	60 31	56 42	54 36	59 36	55 36	62 47	71 55	61 36	48 32	54 33	49 32	38 17	45 20	56 34	61 38	60 38	54 32	43 22	50 34	53 27	54 25	53 44	52 28	51 32	59 43	53 29	61 30	52 29	55.2 34.0
BOYDS 2 NW	MAX MIN	61 47	67 46	61 35	58 42	55 36	56 35	50 39	60 49	71 52	50 36	60 38	71 35	44 29	44 15	22 22	52 35	59 35	56 46	52 30	35 25	46 31	51 32	52 31	52 40	51 31	48 40	55 43	52 34	56 34	49 35	52.6 35.7
CATOCTIN MOUNTAIN PARK	MAX MIN OBS	54 39	61 50	53 32	53 41	48 32	54 33	46 33	60 44	62 53	53 32	40 32	43 31	43 22	30 14	40 21	45 34	53 39	50 40	50 28	33 21	37 30	46 31	48 30	48 31	42 34	49 38	55 41	48 36	49 36	46 30	48.0 33.6
CLARKSVILLE 3 NNE	MAX MIN	58 31	69 48	55 30	57 43	55 36	58 36	50 35	62 49	75 55	66 36	46 30	54 33	47 32	38 15	46 14	54 35	58 30	57 31	54 34	39 20	46 35	53 24	53 22	52 45	52 25	51 33	56 45	53 27	56 27	52 24	54.1 32.7
CONOWINGO DAM	MAX MIN OBS	60 35	65 43	55 31	55 42	49 36	51 38	53 34	60 49	72 44	50 33	45 34	50 33	41 26	43 20	42 27	51 32	57 39	55 36	51 24	40 22	45 31	47 27	51 25	50 26	50 29	47 29	55 32	47 30	53 30	47 29	51.2 32.2
DAMASCUS 2 SW	MAX MIN	55 38	67 50	53 36	55 43	51 35	55 36	49 37	61 47	69 54	54 36	42 34	49 34	41 25	33 13	44 23	51 34	57 37	55 40	50 30	35 25	44 31	49 31	51 32	50 43	48 30	49 38	54 42	49 36	53 36	48 29	50.7 35.2
EMMITSBURG 2 SE	MAX MIN	53 32	65 50	53 28	57 45	52 35	57 35	51 33	55 46	67 53	55 34	45 31	49 27	44 28	33 15	38 18	50 33	58 27	55 35	55 33	33 21	44 31	50 31	51 23	57 40	51 24	43 33	57 42	49 26	56 26	52 25	51.2 32.0
FREDRICK POLICE BRKS	MAX MIN	56 38	68 51	59 35	59 40	57 36	58 36	57 40	57 46	67 54	57 41	67 36	67 36	61 32	47 20	49 19	48 37	35 35	53 38	54 35	44 26	45 31	51 35	52 29	54 43	54 30	53 39	58 45	52 32	57 32	55 30	53.7 35.9
PARKTON 2 SW	MAX MIN OBS	57 33	69 46	55 29	54 42	44 33	55 35	47 34	60 46	67 45	58 34	41 30	50 30	37 22	36 13	42 17	54 34	58 36	55 43	43 21	36 18	44 31	50 24	51 26	51 32	47 26	48 34	56 35	52 28	58 29	50 27	50.8 31.1
ROCKVILLE 1 NE	MAX MIN	55 35	66 44	51 32	55 42	46 34	55 36	48 36	65 48	73 45	45 31	41 31	48 32	40 22	37 15	46 23	54 39	58 34	58 36	52 28	38 26	47 34	52 30	52 28	54 37	51 28	54 43	58 38	52 32	58 35	50 29	52.0 33.4
TOWSON	MAX MIN OBS	60 37	69 39	59 33	57 43	56 34	57 31	55 39	62 47	72 52	62 35	50 35	54 33	52 28	39 16	45 21	53 33	60 38	57 38	56 32	50 23	55 25	51 27	52 28	52 44	53 28	54 31	53 35	55 32	58 36	50 30	55.3 33.4
UNIONVILLE	MAX MIN OBS	56 33	68 41	66 28	63 42	56 36	57 28	57 30	56 36	67 44	57 30	47 28	48 26	40 22	35 12	42 16	52 36	59 31	58 31	49 34	41 20	46 30	50 24	52 24	54	54 20	51 25	55 31	52 23	56 23	55 23	53.3 28.5

SEE REFERENCE NOTES FOLLOWING STATION INDEX
10

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
NOVEMBER 1986

STATION	DAY OF MONTH																															AVERAGE	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
WESTMINSTER POLICE BRK	MAX OBS MIN	57 28	65 47	53	55	53 38	54	54	59	68	67	46	47	47	33	42	50	56	54	51	36	43	48	49	51	51	46	55	51	55	52	51.6	
WOODSTOCK	MAX MIN	57 33	70 50	57 31	55 43	54 36	58 38	50 36	61 49	75 58	60 38	45 32	53 35	46 32	36 15	44 17	53 36	58 35	56 35	52 34	37 23	46 33	52 29	53 25	51 45	51 27	50 36	56 45	51 29	57 29	52 28	53.2 34.4	
APPALACHIAN MOUNTAIN 07																																	
CUMBERLAND 2	MAX MIN	51 38	57 35	55 31	52 41	48 37	60 38	54 46	55 48	60 35	54 35	43 36	49 31	44 13	38 13	42 26	49 39	56 39	52 40	49 29	41 31	42 36	51 27	54 27	53 28	49 28	59 42	59 30	59 40	57 29	52 29	51.1 33.1	
FROSTBURG 2	MAX MIN	55 35	53 38	57 32	49 33	48 36	44 32	53 41	46 41	65 46	57 29	43 28	40 31	43 26	26 8	30 7	39 28	43 37	51 36	46 28	36 23	38 23	34 30	42 29	49 29	49 30	49 30	55 39	49 33	51 33	49 29	46.3 30.7	
HAGERSTOWN	MAX OBS MIN OBS	55 38	61 47	53 34	58 47	50 35	55 35	50 39	59 45	63 52	59 34	45 35	49 31	45 30	35 15	39 24	49 36	58 41	54 39	48 35	38 24	43 31	49 32	53 33	51 41	49 32	45 33	57 41	45 32	50 33	55 30	49 30	50.8 35.2
HANCOCK FRUIT LAB	MAX MIN	55 30	62 50	54 30	54 46	52 37	57 37	56 36	60 47	63 48	60 32	46 31	48 34	47 29	36 12	41 30	48 35	56 40	56 33	50 33	39 22	43 32	50 32	54 24	53 40	52 23	48 36	58 39	51 26	55 29	51 25	51.8 33.3	
ALLEGHENY PLATEAU 08																																	
MC HENRY 2 NW	MAX MIN	52 35	60 43	55 31	49 32	45 35	46 33	50 43	55 44	70 44	53 25	40 25	40 31	43 21	22 5	35 8	40 19	41 35	50 36	45 25	35 24	41 25	30 25	43 25	53 25	48 28	52 32	58 35	45 30	49 33	45 27	46.3 29.3	
OAKLAND 1 SE	MAX MIN	58 34	56 43	48 30	48 43	43 36	54 36	56 38	71 49	63 48	52 27	43 32	46 33	40 16	38 4	39 16	41 36	52 40	47 30	48 26	41 26	43 30	45 26	57 23	51 41	56 44	63 41	54 37	49 29	49 23	50.0 31.7		
SAVAGE RIVER DAM	MAX MIN	55 32	52 31	60 34	54 34	54 38	41 39	47 41	50 44	58 48	58 31	45 32	42 33	45 27	29 8	30 8	45 25	47 40	55 34	50 32	39 27	40 27	38 29	42 26	49 26	51 27	50 27	42 41	50 31	54 33	52 28	48.0 31.1	
DELAWARE NORTHERN 01																																	
MIDDLETOWN 3 E	MAX OBS MIN OBS	58 37	66 50	55 34	53 40	50 38	53 40	53 37	66 51	75 51	59 41	51 36	52 35	42 30	36 19	44 21	53 39	58 41	57 35	52 34	50 25	50 33	48 26	56 26	52 47	49 29	67 32	57 39	50 31	57 31	48 30	53.9 35.3	
NEWARK UNIVERSITY FARM	MAX MIN	62 35	67 52	55 31	55 40	54 36	52 38	53 35	63 50	72 58	60 38	46 35	52 32	46 27	37 19	42 19	54 38	60 42	56 37	52 32	45 24	57 25	48 29	54 26	52 47	51 28	53 32	58 41	52 30	56 28	50 31	53.8 34.5	
WILMINGTON WSO AP	R MAX MIN	60 38	67 43	54 33	55 46	50 38	53 40	54 38	64 53	73 49	50 39	45 40	51 34	42 24	35 20	42 23	54 40	57 44	56 40	47 27	57 25	46 35	49 29	53 29	52 37	49 29	61 37	56 37	51 31	56 30	49 32	52.9 35.3	
WILMINGTON PORTER RESVR	MAX OBS MIN	61 41	65 43	54 36	54 46	49 35	53 42	62 41	70 52	50 39	44 38	51 35	41 24	35 21	41 25	35 25	54 39	58 44	53 43	44 26	57 26	44 27	44 27	47 29	54 29	52 31	50 30	62 38	54 40	52 32	48 33	52.3 35.5	
SOUTHERN DOVER 02																																	
DOVER	MAX MIN OBS	65 41	66 53	59 39	57 42	55 40	55 43	56 43	72 53	79 60	75 42	51 37	57 36	50 36	38 24	42 25	51 40	58 40	58 38	55 39	48 27	58 39	50 30	56 28	54 48	53 30	70 34	69 37	57 34	58 36	56 28	57.6 38.1	
GEORGETOWN 5 SW	MAX MIN	60 39	72 47	67 40	59 39	63 44	60 48	55 42	67 48	71 53	79 43	53 34	50 41	48 41	47 22	41 20	45 33	51 33	59 34	59 38	44 25	61 33	47 26	50 30	56 33	56 30	57 35	71 45	59 34	55 31	58 33	57.3 36.5	
GREENWOOD 2 NE	MAX MIN	69 40	67 55	67 38	62 41	55 42	53 44	56 42	69 54	79 60	61 39	50 36	51 41	47 34	37 21	42 22	50 39	59 35	60 37	54 33	60 28	60 40	47 26	57 28	51 48	52 30	47 47	51 45	70 34	52 33	58 34	53 34	57.3 38.2
LEWES	MAX MIN	70 46	64 58	59 46	61 43	59 43	60 49	58 45	73 56	78 61	61 45	53 38	50 43	49 36	38 25	42 25	49 39	58 37	59 34	56 36	58 40	47 32	57 29	56 49	52 37	67 49	67 50	59 38	58 36	51 39	57.4 41.2		
MILFORD 4 SE	MAX MIN OBS	70 38	66 53	56 43	63 41	57 43	56 47	56 41	71 54	79 58	59 42	51 35	48 41	46 34	37 23	41 23	50 37	56 34	57 34	54 36	60 30	59 39	49 29	56 27	54 47	52 33	68 35	69 47	52 34	58 33	48 34	56.6 38.2	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

EVAPORATION AND WIND

MARYLAND AND
DELAWARE
NOVEMBER 1986

STATION	DAY OF MONTH																															TOTAL OR AVG	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
MARYLAND																																	
UPPER SOUTHERN BELTSVILLE 04	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
UPPER MARLBORO 3 NNW	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M		
	EVAP	11'	3'	10'	8'	2'	3'	4'	-	0'	13'	8'	5'	5'	11'	7'	-	-	3'	11'	10'	2'	8'	5'	4'	4'	0'	0'	12'	3'	5'	1.74B	
	MAX	64'	58'	69'	63'	56'	46'	58'	52'	65'	73'	57'	46'	56'	49'	44'	42'	47'	54'	55'	52'	40'	46'	52'	51'	51'	52'	50'	60'	50'	57'	53.8	
	MIN	42'	43'	44'	43'	44'	41'	42'	43'	50'	43'	42'	40'	40'	32'	30'	32'	36'	37'	39'	35'	34'	35'	34'	35'	37'	37'	42'	38'	37'	37'	38.8	
ALLEGHENY PLATEAU SAVAGE RIVER DAM 08	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M		
	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
DELAWARE																																	
NORTHERN NEWARK UNIVERSITY FARM 01	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M		
	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
SOUTHERN GEORGETOWN 5 SW 02	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M		
	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	

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

SNOWFALL AND SNOW ON GROUND (INCHES)

MARYLAND AND
DELAWARE
NOVEMBER 1986

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																																				
UPPER SOUTHERN	04																																			
COLLEGE PARK																																				
		SNOWFALL																																		
		SN ON GND																																		
NORTHERN CENTRAL	06																																			
DAMASCUS 2 SW																																				
		SNOWFALL																																		
		SN ON GND																																		
UNIONVILLE																																				
		SNOWFALL																																		
		SN ON GND																																		
APPALACHIAN MOUNTAIN	07																																			
FROSTBURG 2																																				
		SNOWFALL																																		
		SN ON GND																																		
ALLEGHENY PLATEAU	08																																			
MC HENRY 2 NW																																				
		SNOWFALL																																		
		SN ON GND																																		
OAKLAND 1 SE																																				
		SNOWFALL																																		
		SN ON GND																																		
SAVAGE RIVER DAM																																				
		SNOWFALL																																		
		SN ON GND																																		
DELAWARE																																				
NORTHERN	01																																			
WILMINGTON WSO AP																																				
		SNOWFALL																																		
		SN ON GND																																		
		WTR EQUIV																																		

SNOWFALL: INCLUDES SNOW AND ICE
 SNOW ON GROUND: INCLUDES SNOW, SLEET, ICE AND HAIL
 WATER EQUIVALENT: GIVEN FOR NWS STATIONS ONLY, WHEN SNOW DEPTH IS 2 INCHES OR MORE.
 SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
NOVEMBER 1986

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER	
							LOCAL STD TIME					
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)		
MARYLAND												
ABERDEEN PHILLIPS FLD	00115	06	HARFORD	39 28	76 10W	57	16	16		C	H	ROSS AVIATION INC
ANNAPOLIS POLICE BRKS	01193	004	ANNE ARUNDEL	38 59	76 30W	25	17	17			H	ANNAPOLIS POLICE BRKS
ASSATEAGUE ISLAND NATL	00335	001	WORCESTER	38 14	75 8W	75	7	7			H	NATIONAL PARK SERVICE
BALTIMORE WSO AP	00465	004	ANNE ARUNDEL	39 11	76 40W	196	MID	MID			C	NATL WEATHER SERVICE
BALTIMORE WSO CI #	00470	006	BALTO CITY	39 17	76 37W	91	MID	MID			C	OCMI COMMANDING OFFICER
BELTSVILLE	07000	004	PRN GEORGES	39 2	76 53W	120	8	8			B	U S DEPT OF AGRICULTURE
BENSON POLICE BARRACKS	07322	006	HARFORD	39 30	76 23W	365	17	17				MARYLAND STATE POLICE
BOYDS 2 NW	10322	006	MONTGOMERY	39 13	77 20W	580	18	18				HUNTER F STALEY
BRIGHTON DAM	11255	006	MONTGOMERY	39 12	77 1W	330		MID				WASH SUB SANY COMM
CAMBRIDGE WTR TRMT PL	13855	002	DORCHESTER	38 34	76 4W	5	16	16				WASTEWATER TRMT PLANT
CATOCTIN MOUNTAIN PARK	15300	006	FREDERICK	39 39	77 29W	1610	17	17			C	CATOCTIN MOUNTAIN PARK
CENTREVILLE	16270	005	QUEEN ANNES	39 3	76 4W	60	17	17			H	INACTIVE 02/01/86
CHESTERTOWN	17500	005	KENT	39 13	76 4W	40	23	23			H	THOMAS W ELIASON JR
CLARKSVILLE 3 NNE	18622	006	HOWARD	39 15	76 56W	365	17	17				UNIVERSITY OF MARYLAND
COLLEGE PARK	19955	004	PRN GEORGES	38 59	76 57W	90	9	9			C	UNIVERSITY OF MARYLAND
CONOWINGO DAM	20600	006	HARFORD	39 39	76 10W	40	MID	MID			H	SUSQUEHANNA ELECTRIC CO
CRISFIELD SOMERS COVE	22150	01	SOMERSET	37 59	75 52W	8	17	17				SOMERS COVE MARINA
CUMBERLAND 2	22822	07	ALLEGANY	39 38	78 45W	730	18	7			H	TIMOTHY B THOMAS
DALECARLIA RESVR D C	23225	004		38 56	77 7W	146	17	17				U S CORPS OF ENGINEERS
DAMASCUS 2 SW	23335	005	MONTGOMERY	39 16	77 14W	720	19	19			H	RICHARD W SCHWERT
DENTON 2 E	25223	002	CAROLINE	38 53	75 48W	50	17	17			H	ARTHUR REINHOLD
EDGEMONT	27700	007	WASHINGTON	39 40	77 33W	905		7				JOHN W HARNE
EMMITSBURG 2 SE	29060	006	FREDERICK	39 41	77 18W	416	17	17			H	MRS LUCILLE K BEALE
FREDERICK POLICE BRKS	33448	006	FREDERICK	39 25	77 26W	380	17	17			H	MARYLAND STATE POLICE
FREDERICK 3 E	33555	006	FREDERICK	39 24	77 22W	385		7				MISS I MARY STALEY
FROSTBURG 2	34150	07	ALLEGANY	39 40	78 56W	2170	7	7			H	LEE K CLOSE
GLENN DALE BELL STN	36750	04	PRN GEORGES	38 58	76 48W	150	16	16			H	USDA PLT INTRODUCT STN
HAGERSTOWN	39750	07	WASHINGTON	39 39	77 44W	660	18	18				HAGERSTOWN RESERVOIR
HANCOCK FRUIT LAB	40300	007	WASHINGTON	39 42	78 11W	428	16	16			C	SHARPSBURG RESEARCH C
LA PLATA 1 W	50800	003	CHARLES	38 32	77 0W	140	18	18			H	C RUSSELL LEVERING
LAUREL 3 W	51111	004	PRN GEORGES	39 6	76 54W	400	MID	MID				WASH SUB SANY COMM
MC HENRY 2 NW	58322	008	GARRETT	39 35	79 22W	2680	8	8			C	JOSEPH F JOHENNING
MECHANICSVILLE 1 E	58650	003	ST MARYS	38 27	76 41W	100	19	19				SANDRA J HASTING
MERRILL	58940	008	GARRETT	39 36	79 5W	1790		9				DELWOOD E MERRILL
MILLINGTON 1 SE	59850	005	KENT	39 16	75 52W	30	18	18			H	HOWARD L HARVEY
NATIONAL ARBORETUM D C	63500	004		38 54	76 59W	50	8	8			H	U S NATL ARBORETUM
OAKLAND 1 SE	66200	008	GARRETT	39 24	79 24W	2420	17	17			H	BEA J CROSCO
OWINGS FERRY LANDING	67700	003	CALVERT	38 41	76 40W	160	17	17			H	JAMES C RASMUSSEN
PARKTON 2 SW	68444	006	BALTIMORE	39 38	76 42W	600	23	23			C	JOHN R FOX
PATUXENT RIVER	69150	003	ST MARY'S	38 20	76 25W	38	MID	MID			C	NAVAL WEATHER SERVICE
POTOMAC FILTER PLANT	72722	006	MONTGOMERY	39 2	77 15W	270		8				POTOMAC WATER FILT PLT
PRINCESS ANNE	73300	001	SOMERSET	38 13	75 41W	20	17	17			H	UNIVERSITY MARYLAND EAST
ROCKVILLE 1 NE	77050	006	MONTGOMERY	39 6	77 6W	440	17	17			H	WASH GAS & LIGHT CO
ROYAL OAK 2 SSW	78060	002	TALBOT	38 43	76 11W	10	18	18			H	JOHN L SWAINE JR
SALISBURY	80000	001	WICOMICO	38 22	75 35W	10	17	17				CITY OF SALISBURY
SALISBURY FAA AP #	80050	001	WICOMICO	38 20	75 31W	48	MID	MID				FAA
SAVAGE RIVER DAM	80650	008	GARRETT	39 31	79 8W	1495	8	8			B	U S CORPS OF ENGINEERS
SNOW HILL 4 N	83800	001	WORCESTER	38 14	75 23W	28	18	18			H	CURTIS E SHOCKLEY
TOWSON	88770	006	BALTIMORE	39 23	76 34W	390	18	18				BENDIX FRIEZ
UNIONVILLE	90300	006	FREDERICK	39 27	77 11W	430	18	18			C	CAROLINE R VON EIFF
UPPER MARLBORO 3 NNW	90700	004	PRN GEORGES	38 52	76 47W	98	8	8			B	TOBACCO EXP FARM
VIENNA	91400	002	DORCHESTER	38 29	75 50W	12	18	18			H	DELMARVA POWER & LIGHT
WESTMINSTER POLICE BRK	94400	006	CARROLL	39 33	76 58W	765	17	17				MARYLAND STATE POLICE

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
NOVEMBER 1986

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER
							LOCAL STD TIME				
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)	
WOODSTOCK	9750	06	BALTIMORE	39 20	76 52W	460	18	18		H	JOHN A HILTZ
DELAWARE											
DOVER	2730	02	KENT	39 9	75 31W	30	17	17		H	STATE DIV OF HIGHWAYS
GEORGETOWN 5 SW	3570	02	SUSSEX	38 38	75 27W	49	18	18	8C	H	UNIV OF DEL SUBSTATION
GREENWOOD 2 NE	3595	02	SUSSEX	38 50	75 35W	49	18	18		H	DANIEL M SWARTZENTRUBER
LEWES	5320	02	SUSSEX	38 46	75 8W	15	17	17		H	BOARD OF PUBLIC WORKS
MIDDLETOWN 3 E	5852	01	NEW CASTLE	39 27	75 40W	55	17	17		H	DAVID S NEYHARD
MILFORD 4 SE	5915	02	SUSSEX	38 54	75 28W	30	17	17		H	DAVID S SCHLOTT
NEWARK UNIVERSITY FARM	6410	01	NEW CASTLE	39 40	75 44W	90	17	17	17C	H	UNIV OF DELAWARE
WILMINGTON WSO AP	9595	01	NEW CASTLE	39 40	75 36W	79	MID	MID		HJ	NATL WEATHER SERVICE
WILMINGTON PORTER RESVR	9605	01	NEW CASTLE	39 46	75 32W	274	MID	MID		H	WATER DEPARTMENT

SEE REFERENCE NOTES FOLLOWING STATION INDEX.

REFERENCE NOTES

MARYLAND AND
DELAWARE
NOVEMBER 1986

DEFINITIONS

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

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

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

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

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

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

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

SYMBOLS AND LETTERS USED IN THE STATION INDEX TABLE

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

SYMBOLS AND LETTERS USED IN THE DATA TABLES

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

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

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

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

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

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

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

// Rain gage equipped with a windshield.

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

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

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

R Amounts from recording rain gage.

T Trace. An amount too small to measure.

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

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

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

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

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

USCOMM-NOAA-ASHEVILLE, N.C. NOVEMBER 1986-0800

NOTE: Special Weather Summaries are provided by State Climatologist or other qualified agencies for inclusion in the published Climatological Data bulletin. These summaries are not included in the depository library copies of the CD bulletin.

M A R Y L A N D & D E L A W A R E - N O V E M B E R 1 9 8 6

SPECIAL WEATHER SUMMARY

W. Joseph Moyer
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University of Maryland
College Park, MD 20742

The month was cloudy, cool, and very wet. It was the wettest month since November 1985 in Maryland and since September 1985 in Delaware. Rainfall was evenly distributed through the month as moderate to heavy rainfall was recorded in each week. As a result, the drought situation in both states improved. According to the weekly Palmer Drought Severity Index, all climatic divisions at the beginning of the month were either in severe or extreme drought except the Northern Division of Delaware which was in moderate drought. By the end of the month, marked improvement in all divisions was noted. Only the Central Eastern Shore Division of Maryland and the Southern Division of Delaware remained in the extreme drought category. The Northern Division of Delaware was no longer listed as a drought area.

November monthly temperatures averaged 44.7° (normal, 46°) in Maryland and 46.9° (normal, 47.3°) in Delaware--the coolest November since 1984 in both states. An oddity of the month occurred on the 8th or 9th in western Garrett County where temperatures reached 70 or 71° while temperatures at other stations in western Maryland reached only into the low to mid 60's.

Monthly precipitation averaged 5.10 inches (normal, 3.26 inches) in Maryland and 5.02 inches (normal, 3.26 inches) in Delaware. Maryland's rainfall was less than that of 1985 when the average was 5.58 inches; Delaware's was its greatest November total since 1983 when the average was 5.08 inches. Some very heavy monthly totals were recorded, especially in the northeast where totals over 7 inches were recorded at many locations.

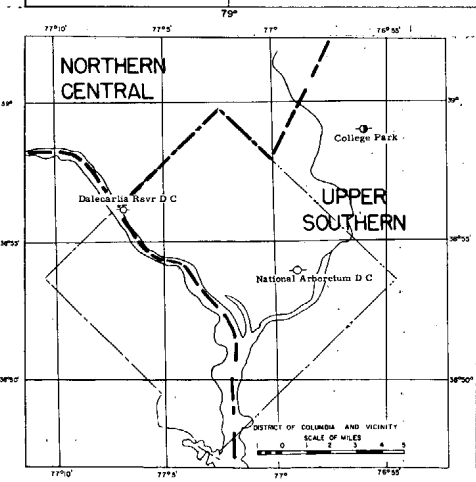
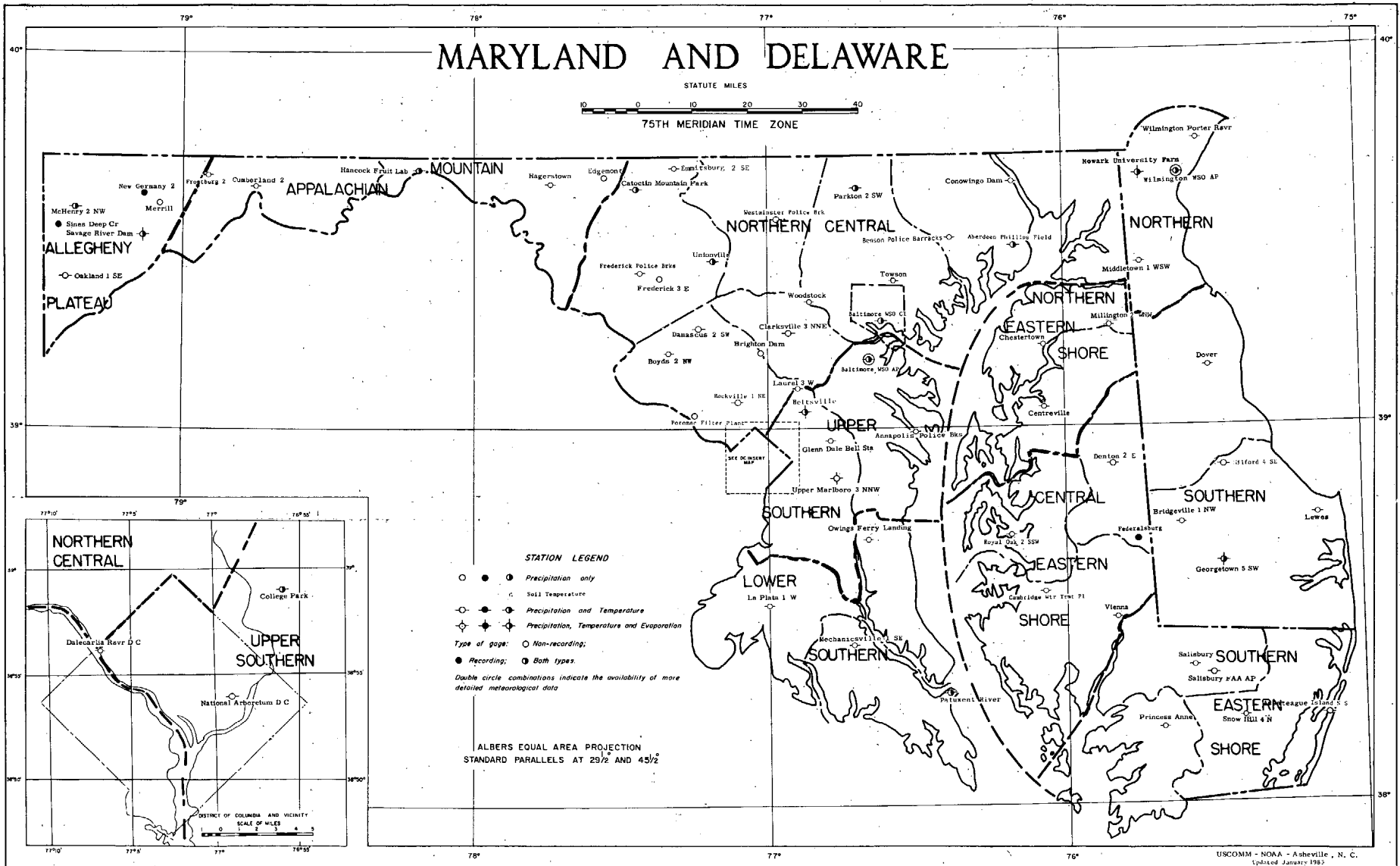
Light measurable snowfall was reported in western Maryland on the 13th through the 14th and 21st through the 22nd. The greatest monthly total was 3 inches.

MARYLAND AND DELAWARE

STATUTE MILES



75TH MERIDIAN TIME ZONE



STATION LEGEND

- ● ● Precipitation only
- ● Soil Temperature
- ● 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

VALIDATED BY:

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