

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

NOVEMBER 1985

VOLUME 89 NUMBER 11



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28801

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ASHEVILLE NORTH CAROLINA

TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND AND
DELAWARE
NOVEMBER 1985

MARYLAND
 HIGHEST TEMPERATURE 81
 LOWEST TEMPERATURE 24
 GREATEST TOTAL PRECIPITATION 12.91
 LEAST TOTAL PRECIPITATION 3.21
 GREATEST 1 DAY PRECIPITATION 3.58
 GREATEST TOTAL SNOWFALL .9

DELAWARE
 HIGHEST TEMPERATURE 78
 LOWEST TEMPERATURE 28
 GREATEST TOTAL PRECIPITATION 5.95
 LEAST TOTAL PRECIPITATION 2.87
 GREATEST 1 DAY PRECIPITATION 1.63

NOVEMBER 20
 NOVEMBER 25

NOVEMBER 5

NOVEMBER 14
 NOVEMBER 25

NOVEMBER 29

CLARKSVILLE 3 NNE
 CLARKSVILLE 3 NNE
 FROSTBURG 2
 CAMBRIDGE WTR TRMT PL
 SAVAGE RIVER DAM
 FROSTBURG 2

BRIDGEVILLE 1 NW
 BRIDGEVILLE 1 NW
 WILMINGTON PORTER RESVR
 DOVER
 BRIDGEVILLE 1 NW

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
NOVEMBER 1985

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	MAX DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE	
MARYLAND																						
SOUTHERN EASTERN SHORE 01																						
ASSATEAGUE ISLAND NATL SE	68.4	48.1	58.3		79 21	38 26+	203	8	0	0	0	0	3.57		1.62	23	.0	0	0	5	1	0
CRISFIELD SOMERS COVE	65.3 M	51.4 M	58.4 M	7.9	72 19+	40 24	192	0	0	0	0	0	3.76	.67			.0	0	0	0	0	0
PRINCESS ANNE	66.2	46.9	56.6	8.6	78 14	31 24	248	1	0	0	1	0	4.57	1.33	1.70	30	.0	0	0	8	1	1
SALISBURY	65.6	48.0	56.8	7.3	78 15+	33 24	247	6	0	0	0	0	3.96	.85	1.70	30	.0	0	0	7	1	1
SALISBURY FAA AP	64.5	47.5	56.0	8.3	77 14	32 24+	270	7	0	0	2	0	5.03	1.97	2.04	30	.0	0	0	8	4	1
SNOW HILL 4 N	66.3	47.3	56.8	8.3	77 20+	31 24	244	7	0	0	1	0	4.41	1.03	1.52	30	.0	0	0	8	3	1
--DIVISIONAL DATA-->																						
			57.2	8.3									4.22	1.03			.0	0	0			
CENTRAL EASTERN SHORE 02																						
CAMBRIDGE WTR TRMT PL	63.5	48.2	55.9	7.5	77 14	32 25	270	5	0	0	1	0	3.21	-.51	.89	30	.0	0	0	7	2	0
DENTON 2 E	62.6	42.2	52.4	4.8	77 14	26 25	374	1	0	0	0	0	3.70	.17	.90	22	.0	0	0	7	3	0
ROYAL OAK 2 SSW	62.7	48.1	55.4	6.5	77 14	35 25+	284	4	0	0	0	0	5.11	1.38	1.31	30	.0	0	0	8	3	3
VIENNA	65.4	49.2	57.3	8.3	77 14	34 24	234	12	0	0	0	0	4.05	.73	1.34	30	.0	0	0	8	3	1
--DIVISIONAL DATA-->																						
			55.3	6.8									4.02	.49			.0	0	0			
LOWER SOUTHERN 03																						
LA PLATA 1 W	63.3	47.4	55.4	8.1	80 13	33 24+	293	11	0	0	0	0	7.00	3.80	1.72	29	.0	0	0	8	4	3
MECHANICSVILLE 5 NE	63.2	46.2	54.7		79 14+	30 24	307	8	0	0	3	0	6.40		1.86	30	.0	0	0	1	2	2
OWINGS FERRY LANDING	62.6	46.1	54.4	6.5	79 14	31 24+	319	6	0	0	0	0	6.46	3.13	1.27	30	.0	0	0	9	5	2
PATUXENT RIVER	63.3	48.2	55.8		78 13	34 23	278	9	0	0	2	0	5.69		2.75	30	.0	0	0	9	3	1
--DIVISIONAL DATA-->																						
			55.1	7.1									6.39	3.05			.0	0	0			
UPPER SOUTHERN 04																						
ANNAPOLIS POLICE BRKS	61.7	46.6	54.2		78 20	34 24	322	3	0	0	0	0	5.20		1.24	22	.0	0	0	9	4	1
BALTIMORE WSO AP	59.8	44.9	52.4	6.1	77 20	31 24	378	5	0	0	2	0	4.71	1.60	1.25	22	.0	0	0	7	4	1
BELTSVILLE	60.0	42.9	51.5	6.5	78 21+	29 25+	397	0	0	0	4	0	4.75	1.78	.94	4	.0	0	0	9	5	0
COLLEGE PARK	61.3	45.0	53.2	6.3	79 15	31 24	348	0	0	0	2	0	4.84	1.74	.85	22	.0	0	0	9	5	0
DALECARLIA RESVR D C	62.9	43.2	53.1	6.1	80 14	27 9	363	10	0	0	3	0	5.63	2.48	1.37	22	.0	0	0	9	4	2
GLENN DALE BELL STN	61.9	43.2	52.6	6.3	78 20+	28 25+	373	4	0	0	5	0	4.80	1.46	1.22	22	.0	0	0	8	5	2
LAUREL 3 W	62.0	45.4	53.7	6.2	78 20+	29 22	339	8	0	0	1	0	6.91	3.51	1.51	22+	.0	0	0	7	5	3
NATIONAL ARBORETUM D C	61.8	42.1	52.0	3.9	76 21	30 23	383	0	0	0	3	0	5.43	2.35			.0	0	0	8	5	0
UPPER MARLBORO 3 NNW	61.0	42.2	51.6		79 15	27 23	393	0	0	0	2	0	4.85	1.69	.82	29	.0	0	0	8	6	0
--DIVISIONAL DATA-->																						
			52.7	6.1									5.24	2.11			.0	0	0			
NORTHERN EASTERN SHORE 05																						
CENTREVILLE	60.2 M	45.1 M	52.7 M	5.7	78 14	33 25	365	3	0	0	0	0	3.40	-.06	.93	28	.0	M	M	7	3	0
CHESTERTOWN	61.4 M	44.1 M	52.8 M	6.7	77 12+	28 25	361	2	0	0	3	0	3.46	-.01	.88	22	.0	0	0	7	3	0
MILLINGTON 1 SE			52.8	5.8									3.43	.03			.0	0	0			
--DIVISIONAL DATA-->																						
NORTHERN CENTRAL 06																						
ABERDEEN PHILLIPS FLD	61.0	45.6	53.3		76 20	32 25	346	4	0	0	1	0	3.43				.0	0	0	3	1	0
BALTIMORE WSO CI	59.3	46.2	52.8	3.6	78 20	34 22	366	6	0	0	0	0	5.27	1.93	1.24	22	.0	M	M	8	4	2
BENSON POLICE BARRACKS	60.4	43.2	51.8	6.5	78 20	28 25	391	2	0	0	2	0	5.81	1.92	1.48	22	.0	0	0	10	3	2
BOYDS 2 NW	59.7	44.4	52.1		78 20	33 24	384	4	0	0	0	0	4.78		1.13	22	.0	0	0	1	0	4
CATOCTIN MOUNTAIN PARK	54.5	41.0	47.8		73 19	30 22	510	0	0	0	5	0	9.55		2.42	4	.0	0	0	1	2	6
CLARKSVILLE 3 NNE	61.0	40.5	50.8		81 20	24 25+	424	4	0	0	6	0	4.80		1.25	22	.0	0	0	9	5	1

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
NOVEMBER 1985

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	MAX. DEPTH ON GROUND	DATE	1.0 OR MORE	.50 OR MORE	1.00 OR MORE		
CONOWINGO DAM	57.1	42.6	49.9	5.8	73	20	30	24	445	0	0	0	3	0	4.3	8.6	1.9	29	0	0	0	0	0	9	0	0
DAMASCUS 2 SW	57.9	44.3	51.1		76	20	32	24	415	0	0	0	0	0	5.5	1.1	22	29	0	0	0	0	0	10	0	0
EMMITTSBURG 2 SE	58.2	41.9	50.1		75	20	29	25+	439	0	0	0	3	0	5.0	1.6	22	29	0	0	0	0	0	14	0	0
FREDRICK POLICE BRKS	59.9	44.3	52.1		73	15	33	25+	378	0	0	0	0	0	5.0	1.0	22	4	0	0	0	0	0	13	0	0
PARKTON 2 SW	56.5	39.8	48.2		78	20	28	25	498	0	0	0	6	0	5.0	1.2	7	4	0	0	0	0	0	9	4	1
ROCKVILLE 1 NE	56.1	40.6	48.4	2.1	77	20	27	25	490	1	0	0	0	0	5.0	1.7	5	4	0	0	0	0	0	8	4	1
TOWSON	61.1	42.7	51.9		77	20	32	25	390	0	4	4	1	1	5.0	2.3	1	4	0	0	0	0	0	0	0	2
UNIONVILLE	60.5	37.1	48.8	5.6	76	21	25	30+	481	0	0	0	9	0	5.0	1.8	28	8	0	0	0	0	0	11	4	0
WESTMINSTER POLICE BRK	59.4	44.2	51.8	7.5	75	20+	32	22	392	2	0	0	1	0	4.4	1.0	22	2	0	0	0	0	0	11	3	1
WOODSTOCK	60.3	43.5	51.9	7.2	80	20	29	24	391	4	0	0	3	0	5.5	2.3	1	22	0	0	0	0	0	11	4	2
--DIVISIONAL DATA-->			50.8	5.6										5.5	2.1											
APPALACHIAN MOUNTAIN 07																										
CUMBERLAND 2	58.0	40.7	49.4	5.3	74	20+	32	23	462	0	0	0	1	0	7.5	5.1	4	4	0	0	0	0	0	19	5	2
FROSTBURG 2	53.1	38.6	45.9		71	20	29	26+	566	0	0	0	6	0	12.9	3.2	29	5	0	0	0	0	0	17	9	3
HAGERSTOWN	58.0	43.1	50.6	6.3	78	20	32	24+	429	4	0	0	2	0	6.5	3.5	4	2	0	0	0	0	0	13	6	2
HANCOCK FRUIT LAB	59.5	40.1	49.8	7.0	80	20	27	25+	449	0	0	0	5	0	8.4	5.7	5	5	0	0	0	0	0	13	8	3
--DIVISIONAL DATA-->			48.9	5.3										8.8	6.1											
ALLEGHENY PLATEAU 08																										
MC HENRY 2 NW	53.9M	38.7	46.3M		73	20	28	24+	550	0	0	0	8	0	11.6	2.5	5	5	0	0	0	0	0	18	9	4
OAKLAND 1 SE	55.3	38.4	46.9	7.7	74	19	27	25+	536	0	0	0	8	0	12.5	9.4	2	5	0	0	0	0	0	18	7	4
SAVAGE RIVER DAM	55.7M	38.1	46.9M	6.6	72	20	30	25	530	0	0	0	6	0	11.5	9.2	2	5	0	0	0	0	0	17	6	3
--DIVISIONAL DATA-->			46.7	7.6										11.9	8.9											
DELAWARE																										
NORTHERN 01																										
NEWARK UNIVERSITY FARM	59.9	42.6	51.3	5.5	77	19	29	23	406	0	0	0	2	0	4.0	1.8	2	1	0	0	0	0	0	7	3	0
WILMINGTON WSD AP	58.2	43.8	51.0	5.4	75	20	30	24	411	0	0	0	1	0	4.4	1.1	2	2	0	0	0	0	0	8	4	1
WILMGTN PORTER RESVR	57.9	42.9	50.4	5.2	75	20	33	25	432	2	0	0	0	0	5.9	2.1	16	16	0	0	0	0	0	9	5	2
--DIVISIONAL DATA-->			50.9	5.1										4.8	1.4											
SOUTHERN 02																										
BRIDGEVILLE 1 NW	62.8	43.9	53.4	5.9	78	14	28	25	343	0	0	0	3	0	4.7	1.5	3	29	0	0	0	0	0	8	3	1
DOVER	63.6	47.1	55.4	7.2	77	11	33	25	291	7	0	0	0	0	3.8	1.6	2	2	0	0	0	0	0	7	7	0
GEORGETOWN 5 SW	62.9	46.4	54.7	7.2	77	15	29	24	305	0	0	0	2	0	3.4	1.4	2	2	0	0	0	0	0	8	8	0
LEWES	64.8	49.8	57.3	9.2	76	20+	35	24	231	8	0	0	0	0	4.3	1.8	3	30	0	0	0	0	0	8	2	0
MILFORD 4 SE	62.9	47.4	55.2	7.6	76	19	32	25+	293	6	0	0	2	0	4.6	1.1	19	30	0	0	0	0	0	4	4	2
--DIVISIONAL DATA-->			55.2	7.4										4.0	1.6											

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
NOVEMBER 1985

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	3.57	.16	.03		.01	.37	.08	.01				.01				T
CRISFIELD SOMERS COVE	3.76	.13	.01	.02	.53	*	.05									
PRINCESS ANNE	4.57	.06		.03	.37	.13	.39							.07		
SALISBURY	3.96	.02	T	T	.26	.12	.03							.01	T	
SALISBURY FAA AP	5.03	.03	.17	.03	.46	.17	.04					T				
SNOW HILL 4 N	4.41	.22	T	.05	.32	.31	.17									
CENTRAL EASTERN SHORE 02																
CAMBRIDGE WTR TRMT PL	3.21	.09			.26	.22	.27									
DENTON 2 E	3.70	T		.03	.18	.17										
ROYAL OAK 2 SSW	5.11	T		T	.31	.18	.32					T				
VIENNA	4.05	.02	.01		.24	.11	.15									
LOWER SOUTHERN 03																
LA PLATA 1 W	7.00	.20	.08	.28	1.33	.25	.01									
MECHANICSVILLE 5 NE	6.40	.31	.22	.18	.86	.16						T		T		
OWINGS FERRY LANDING	6.46	.45	.05	.63	.75	.40	.06					T		T		
PATUXENT RIVER	5.69	.11	.12	.07	.58	.04	.01					T		T		
UPPER SOUTHERN 04																
ANNAPOLIS POLICE BRKS	5.20	.04	.01	.02	.81	.28	.43					T	T	T	T	
BALTIMORE WSO AP	4.71	T	T	.11	.95	.17	.03					T	.02	T	T	
BELTSVILLE	4.75	.03	.02		.94	.57	.12							T		
COLLEGE PARK	4.84	.14	.01	.01	.78	.61	.16			T				T		
DALECARLIA RESVR D C	5.63	.30	.04	.05	1.17	.48	.05									
GLENN DALE BELL STN	4.80	.04	.02	.06	1.05	.50	.11						.02			
LAUREL 3 W	6.91		.05	.07	1.45								.04			
NATIONAL ARBORETUM D C	5.43	.12	.50	.20	.92	*	1.20									
UPPER MARLBORO 3 NNW	4.85	.06	.03	.05	.73	.66	.12							.02		
NORTHERN EASTERN SHORE 05																
CENTREVILLE	M															
CHESTERTOWN	3.40		.02	.03	.12	.26	.03							T	T	
MILLINGTON 1 SE	3.46		T	.02	.02	.27	.17						.01	T	T	
NORTHERN CENTRAL 06																
ABERDEEN PHILLIPS FLD	3.43				.06	.26	.20					.02		T	T	
BALTIMORE WSO CI	5.27			.10	1.20	.32	.01									
BENSON POLICE BARRACKS	5.81			.08	.32	1.06	.39									
BOYDS 2 NW	4.78	.10	.01	.07	.56	.77	.09						.04	.02	.03	.02
BRIGHTON DAM	5.69	T	T	.08	1.30	.40	T						.03	T	T	T
CATOCTIN MOUNTAIN PARK	9.55	.06	.03	1.30	2.42	1.52	.10				.08		.07	T	.24	
CLARKSVILLE 3 NNE	4.90	T			.67	.57	.10						.01	.02	.02	
CONOWINGO DAM	4.34			.04	T	.43	.23						.06	.06		.06
DAMASCUS 2 SW	5.63	.13	.04	.08	.95	.85	.10					T	.02	.01	.02	.05
EMMITTSBURG 2 SE	8.09	.05	T	.70	1.62	.52	.10					T		.10	.10	.05
FREDRICK POLICE BRKS	5.27	.10		.45	1.02	.81	.25						.02	.01	.12	
FREDERICK 3 E	5.42	.07	.05	.07	.70	.80	.60						T	T	T	.07
PARKTON 2 SW	5.34			.05	1.27	.28	T						.06	T	.10	
POTOMAC FILTER PLANT	4.40	.12	.05	.10	1.05	.12							T	T		
ROCKVILLE 1 NE	5.68	.13	.03	.07	1.75	.27	T		T				T	T		T
TOWSON	5.14			.15	.68	.77	.40			T			.04	.01	.03	
UNIONVILLE	5.36		.30	.20	.50	.63	.02						.02	.01	.12	
WESTMINSTER POLICE BRK	4.40			.08	.53	.57	.17						.02	.01	.11	
WOODSTOCK	5.59			.10	.68	.80	.11						T	.04	T	.04

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (CONT)

MARYLAND AND
DELAWARE
NOVEMBER 1985

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 ISLAND NATL SE	.01	.33	.03													
CRISFIELD SOMERS COVE	*.17	.17			*	.81	.80	1.62						.07	.84	
PRINCESS ANNE	.32	.17				.80	.66						*.01	*.10	1.70	
SALISBURY	.01	.42	T			.40	.70	.03						.26	1.70	
SALISBURY FAA AP	.51	.03				.53	.70					.01	.03	.28	2.04	
SNOW HILL 4 N	.06	.19				.71	.81							.05	1.52	
CENTRAL EASTERN SHORE 02																
CAMBRIDGE WTR TRMT PL		.52				.12	.79							.01	.89	
DENTON 2 E	.03	.45				.20	.90					.04	.09	.82	.79	
ROYAL OAK 2 SSW	.02	.45			.02	.15	1.01	.02		T	T	.03	.08	1.21	1.31	
VIENNA			.45			.33	.74	.03	.02	.01		.04	.56	1.34		
LOWER SOUTHERN 03																
LA PLATA 1 W	.06	.30				T	.98					.06	.03	1.72	1.70	
MECHANICSVILLE 5 NE	.35	.10				.16	1.00				T	.50	.70	1.86		
OWINGS FERRY LANDING	.08	.30				.02	1.01	T		T	.03	.07	.10	1.24	1.27	
PATUXENT RIVER	.41					.27	.84				T	.02	.30	.17	2.75	
UPPER SOUTHERN 04																
ANNAPOLIS POLICE BRKS	.15	.46					1.24	.02				.07	.18	.63	.86	
BALTIMORE WSO AP	R .39						1.25			T	T	.09	.87	.06	.77	
BELTSVILLE		.45	.02				.71	.62				.05	.12	.65	.45	
COLLEGE PARK		.42					.85	.54			.01	.04	.08	.63	.56	
DALECARLIA RESVR D C	.26	.18	.02				1.37	.03				.08	.13	.55	.92	
GLENN DALE BELL STN	T	.41					1.22	.03				.05	.10	.61	.58	
LAUREL 3 W	.48						1.51			T	T	.13	.82	.05	.80	
NATIONAL ARBORETUM D C		.41			.01			.82			T	.03	.62	.62	.60	
UPPER MARLBORO 3 NNW		.42			T		.51	.77			T	.03	.08	.82	.55	
NORTHERN EASTERN SHORE 05																
CENTREVILLE																
CHESTERTOWN	.47	.03					.91								.50	
MILLINGTON 1 SE	.02	.57					.88	.02				T	.10	.93		
NORTHERN CENTRAL 06																
ABERDEEN PHILLIPS FLD	R *	*	.64				.97		*	.02	.04	.02	*	1.20		
BALTIMORE WSO CI	.36						1.24					.11	.97	.08	.88	
BENSON POLICE BARRACKS	.18	.40					1.48	.02		T	.08	.09	.40	.75	.45	
BOYDS 2 NW	.29	.24	.02				1.13			.02	.05	.18	.32	.53	.37	
BRIGHTON DAM	.50	T					1.30				T	.20	1.10	.10	.70	
CATOCTIN MOUNTAIN PARK	.58	.27	.01				1.22	.02		.01	.19	.28	.82	.06	.27	
CLARKSVILLE 3 NNE	.16	.30					1.25			.02	T	.09	.42	.66	.51	
CONOWINGO DAM	.14	.64			.02	T	.15	.83			.06	.32	.32	.92	.06	
DAMASCUS 2 SW	.55				T	T	1.12				.03	.18	.74	.40	.47	
EMMITTSBURG 2 SE	.50	.50			T		1.20			T	.10	.60	1.45	.20	.30	
FREDRICK POLICE BRKS	.23	.29					.78	.01			.01	.22	.45	.30	.20	
FREDRICK 3 E	.10	.70			.01	.01	.32	.56			T	.07	.43	.70	.16	
PARKTON 2 SW	.64	.01					.98			.09	.20	.26	.87	.05	.48	
POTOMAC FILTER PLANT	.41						1.08			.02	.01	.11	.80	.06	.47	
ROCKVILLE 1 NE	.47	T					1.25			.01	.02	.12	.82	.02	.62	
TOWSON	.20		.29		.01		.42			.01		.08	.42	1.10	.53	
UNIONVILLE			.61				.60					.32	.85	.60	.59	
WESTMINSTER POLICE BRK	.22	.35					1.01				.07	.20	.45	.40	.21	
WOODSTOCK	.29	.19					1.28					.10	.35	1.12	.49	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
NOVEMBER 1985

STATION	TOTAL	DAY OF MONTH														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
APPALACHIAN MOUNTAIN CUMBERLAND 2	07	7.53	.03	.09	.31	1.48	1.25	.05								
EDGEMONT		7.98	.01	.05	.20	1.35	2.45	.23								
FROSTBURG 2		12.91	.20	.59	.55	2.28	3.29	.12	T							
HAGERSTOWN		6.56	.18	.02	.68	1.02	.73	.08								
HANCOCK FRUIT LAB		8.43	.12	.07	1.18	.86	1.57	.02								
ALLEGHENY PLATEAU MC HENRY 2 NW	08	11.69	.02	.15	.35	.70	2.58	.60								
MERRILL		10.47	.09	.20	.15	1.60	2.76	.25								
OAKLAND 1 SE		12.58	.12	.26	.55	1.56	2.62	.09								
SAVAGE RIVER DAM		11.57	.04	.40	.30	1.87	3.58	.21								
DELAWARE																
NORTHERN NEWARK UNIVERSITY FARM	01	4.05				.04	.75	.09								
WILMINGTON WSO AP	R	4.46		T	T	.31	.17	T								
WILMINGTON PORTER RESVR		5.95		T		.31	.79	.02								
SOUTHERN BRIDGEVILLE 1 NW	02	4.76	T	T	.04	.16	.20	.19								
DOVER		2.87			.04	T	.12	.02								
GEORGETOWN 5 SW		3.43	.01		.03	.03	.42	.20								
LEWES		4.30			.01	.05	.10	.05								
MILFORD 4 SE		4.62				.13	.07	.05								

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (CONT)

MARYLAND AND
DELAWARE
NOVEMBER 1985

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	.42	.65					.33	.75			.18	.38	.97	.20	.05	
EDGE MONT	.05	.72		T			.23	.93			.16	.29	.48	.38	.08	
FROSTBURG 2	.51	.82		T	T		.35	.90			.19	.75	1.19	.39	.06	
HAGERSTOWN	.55	.35	T				1.05	.02		T	.15	.36	.62	.16	.12	
HANCOCK FRUIT LAB	.78	.52					1.01			.03	.06	.74	.64	.12	.17	
ALLEGHENY PLATEAU 08																
MC HENRY 2 NW	.57	.68				.02	1.05	.37			.15	1.01	1.53	.62	.02	
MERRILL	.45	.50					1.06				.30	.62	1.30	.30		
OAKLAND 1 SE	.47	.17			.03	.83	1.42			.30	.47	.70	2.00	.16	T	
SAVAGE RIVER DAM	.32	.59		T			.58	.56			.13	.40	1.30	.41	.01	
DELAWARE																
NORTHERN 01																
NEWARK UNIVERSITY FARM	.42					.82	.01			.07	.34	.52			.42	
WILMINGTON WSO AP	.81	.05					.79			.03	.21	.24	1.21	.02	.58	
WILMINGTON PORTER RESVR	1.16	T					.89			.05	.41	.22	1.14	.10	.72	
SOUTHERN 02																
BRIDGEVILLE 1 NW	.05	.37				.12	.88			.03	.05	.01	.06	1.63	.97	
DOVER	.20	.26					.90	.05				.03	.15	.67	.43	
GEORGETOWN 5 SW		.32			.02		.74	.24					.06	.73	.36	
LEWES	.05	.28				.15	.95	.01			.27		.05	1.00	1.60	
MILFORD 4 SE	.06	.51				.16	.93					T	.25	1.08	1.38	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
NOVEMBER 1985

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 MIN	67 57	65 57	66 56	65 56	65 53	67 54	70 51	70 45	71 48	72 46	75 44	76 56	77 59	72 54	71 52	62 45	67 50	64 44	65 39	74 42	79 59	68 46	77 38	53 38	61 38	63 38	67 40	75 51	70 44	58 43	68.4 48.1		
CRISFIELD SOMERS COVE	MAX MIN	65 58	67 58	65 57	65 61	65 61	65 62	69 61	69 61	67 53	68 56	72 61	71 57	68 59	72 58	71 56	62 46	67 46	64 45	65 44	72 56	69 44	54 45	52 43	58 40	55 42	61 44	70 56	70 44	65.3 51.4				
PRINCESS ANNE	MAX MIN	66 57	63 57	64 56	65 61	64 50	61 50	66 35	61 45	68 49	70 38	75 41	71 56	72 59	78 52	71 52	70 48	67 45	66 39	65 44	76 44	71 44	58 44	56 40	58 31	57 33	63 42	71 56	68 51	56 43	59 43	66.2 46.9		
SALISBURY	MAX MIN	65 58	62 55	65 55	65 59	64 50	59 49	67 39	58 44	66 37	73 52	74 52	70 56	78 56	78 56	73 59	78 68	78 66	78 66	78 76	78 76	78 76	68 59	66 53	59 33	59 33	52 35	66 41	73 52	61 49	54 42	57 43	65.6 48.0	
SALISBURY FAA AP	MAX MIN	64 60	61 56	64 56	64 61	61 49	57 41	66 37	59 36	66 36	72 56	74 56	70 58	74 58	77 60	69 52	65 48	66 43	66 43	66 46	75 64	75 64	65 46	59 42	51 32	57 32	50 35	65 43	72 52	61 41	52 47	64.5 47.5		
SNOW HILL 4 N	MAX MIN	64 57	63 44	64 57	64 61	62 51	58 50	61 37	67 37	61 34	74 42	76 55	73 58	75 59	77 52	70 51	67 44	71 56	66 38	76 45	77 59	71 45	58 45	56 39	58 31	58 34	67 42	73 54	61 52	61 44	58 45	66.3 47.3		
CENTRAL EASTERN SHORE 02																																		
CAMBRIDGE WTR TRMT PL	MAX MIN	63 56	62 55	61 54	65 58	64 48	61 49	65 40	65 48	65 39	73 52	69 52	71 56	75 58	77 53	72 53	55 46	62 52	66 39	73 51	74 61	72 46	66 40	73 42	74 46	49 32	50 41	50 40	56 44	60 40	67 54	58 44	54 42	63.5 48.2
DENTON 2 E	MAX MIN	61 55	60 46	59 49	63 47	62 46	66 35	63 37	59 37	65 31	71 50	76 49	67 52	75 55	77 49	69 43	65 41	64 34	64 47	65 56	64 43	74 47	75 56	69 43	52 35	54 30	57 27	48 26	59 36	64 41	52 37	45 38	62.6 42.2	
ROYAL OAK 2 SSW	MAX MIN	62 56	61 55	62 55	64 59	63 50	60 50	64 41	61 47	65 42	71 56	73 53	68 56	75 56	77 54	69 51	55 45	64 52	65 41	65 52	73 60	74 46	69 46	51 38	50 41	57 35	52 35	63 40	63 50	55 45	47 41	53 42	62.7 48.1	
VIENNA	MAX MIN	64 57	63 56	65 55	64 60	64 50	63 49	66 39	60 45	65 42	72 55	76 57	73 57	77 60	77 60	70 54	67 48	71 54	68 41	68 54	74 41	74 63	70 46	55 42	66 43	57 34	54 36	62 41	72 40	62 49	52 47	65.4 49.2		
LOWER SOUTHERN 03																																		
LA PLATA 1 W	MAX MIN	60 53	60 50	58 53	64 58	64 51	61 51	65 38	60 42	69 40	74 54	76 53	68 57	80 60	79 53	74 51	64 47	64 48	64 40	74 52	78 62	71 59	50 38	49 33	59 33	53 34	58 41	67 52	53 44	49 43	48 42	63.3 47.4		
MECHANICSVILLE 5 NE	MAX MIN	62 54	60 54	59 53	64 59	63 50	62 50	66 35	59 40	67 38	74 54	76 52	61 54	79 58	79 52	73 50	52 47	67 47	63 36	63 46	76 59	69 46	50 39	51 30	60 30	47 31	60 42	69 52	54 45	50 42	50 42	63.2 46.2		
OWINGS FERRY LANDING	MAX MIN OBS	61 52	59 51	58 53	63 57	62 49	62 50	67 38	60 42	67 37	74 54	78 51	63 55	77 56	79 51	72 50	52 46	65 49	66 37	66 74	77 49	70 60	50 38	51 31	58 48	48 33	56 40	62 62	51 44	46 41	49 42	62.6 46.1		
PATUXENT RIVER	MAX MIN	63 58	65 56	62 56	64 59	58 49	62 43	69 40	60 43	66 41	74 54	74 55	62 55	78 58	76 55	69 48	58 47	65 45	61 44	73 51	76 63	63 47	49 39	50 34	60 35	50 42	64 45	71 49	52 47	50 43	54 44	63.3 48.2		
UPPER SOUTHERN 04																																		
ANNAPOLIS POLICE BRKS	MAX MIN OBS	61 54	60 52	60 53	64 57	64 53	58 51	59 41	57 44	67 41	72 50	70 50	67 50	76 50	73 50	71 51	52 45	67 46	68 40	70 50	78 58	69 52	51 38	51 37	58 34	53 32	51 41	58 42	53 41	51 48	58 43	46 42	48 42	61.7 46.6
BALTIMORE WSO AP	MAX MIN	62 52	58 52	56 52	62 55	61 52	60 44	63 39	57 39	67 38	73 54	75 46	55 52	73 55	76 47	69 44	49 44	62 40	61 37	74 49	77 60	60 45	58 36	52 34	56 31	44 32	51 42	56 42	46 41	47 41	41 41	59.8 44.9		
BELTSVILLE	MAX MIN	60 51	60 50	58 50	60 52	64 52	57 51	60 35	66 41	59 32	73 42	75 44	66 53	73 54	75 52	78 50	55 43	63 43	75 34	78 34	55 34	63 55	69 49	51 35	39 30	51 29	46 37	64 41	57 40	46 40	57 40	46 40	60.0 42.9	
COLLEGE PARK	MAX MIN	61 52	61 51	58 52	58 55	64 53	57 52	59 41	67 37	60 35	68 54	74 47	75 54	64 66	76 56	79 54	56 45	57 44	64 37	64 43	75 54	78 54	52 36	65 43	75 54	58 36	48 33	52 41	58 39	53 41	47 40	47 41	61.3 45.0	
DALECRLIA RESVR D C	MAX MIN	61 41	59 39	56 51	64 50	64 48	61 43	60 38	60 39	68 27	75 51	76 57	66 52	77 56	80 51	75 37	52 43	64 44	65 38	75 51	79 61	74 36	51 36	52 34	58 32	53 30	54 38	58 46	54 45	48 39	47 41	62.9 43.2		
GLENN DALE BELL STN	MAX MIN	60 50	60 56	60 50	62 52	62 50	61 48	66 32	67 38	69 40	76 50	78 41	66 54	76 50	78 49	78 34	49 41	59 32	61 32	67 41	77 60	54 50	59 28	51 28	52 38	50 28	51 38	58 44	50 40	44 38	46 38	61.9 43.2		
LAUREL 3 W	MAX MIN OBS	58 49	62 51	56 50	64 57	63 49	65 47	74 45	61 39	68 42	74 51	77 52	58 53	75 52	78 57	71 45	50 45	65 44	64 38	72 62	78 57	61 45	48 29	55 34	56 38	57 36	52 34	54 38	49 38	49 40	46 38	46 38	62.0 45.4	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
NOVEMBER 1985

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			
NATIONAL ARBORETUM D C	MAX OBS	60	61	60	60	64	54	62	62	62	68	74	75	68	75	70	61	54	64	65	75	76	60	53	54	59	50	57	58	46	48	61.8		
	MIN OBS	48	48	48	53	50	49	34	35	35	42	50	45	42	55	54	44	43	35	35	51	51	35	30	32	32	34	37	39	39	39	42.1		
UPPER MARLBORO 3 NNW	MAX MIN	60 49	60 48	59 48	59 51	64 49	55 48	61 34	67 38	59 33	69 34	75 45	76 50	62 54	78 49	79 50	57 44	52 43	65 33	63 45	75 50	78 51	53 36	40 27	51 29	58 33	46 35	56 41	60 40	46 39	46 39	61.0 42.2		
NORTHERN EASTERN SHORE 05	MAX MIN																															M M		
CHESTERTOWN	MAX MIN	62 52	60 48	59 47	63 56	61 49	59 50	65 42	57 40	66 39	71 55	74 51	56 51	73 56	78 53	70 46	55 41	63 45	64 38	72 49	75 58	60 45	45 36	51 36	55 34	43 33	54 38	56 43	45 40	44 40	49 40	60.2 45.1		
MILLINGTON 1 SE	MAX MIN	63 52	59 48	59 52	62 55	62 49	57 47	64 38	58 40		72 34	77 49	77 51	73 54	76 50	71 45	77 45	77 45	73 54	76 49	71 45	62 45	62 35	73 46	75 58	67 50	57 41	42 28	53 38	56 47	50 42	43 39	49 40	61.4 44.1
NORTHERN CENTRAL ABERDEEN PHILLIPS_FLD 06	MAX MIN OBS	63 53	62 49	59 52	60 54	60 52	57 52	63 41	59 42	65 36	71 55	74 46	66 50	68 59	71 52	67 50	55 40	62 48	62 37	71 45	76 62	74 50	50 36	56 33	56 35	55 32	47 38	54 48	52 41	46 40	50 41	50 41	61.0 45.6	
BALTIMORE WSO CI	MAX MIN	59 51	57 50	56 51	60 53	60 51	58 51	61 44	61 45	66 45	74 55	74 50	54 47	70 52	73 60	68 46	49 41	62 48	59 45	74 54	78 59	59 43	43 34	52 36	56 36	44 36	52 37	57 42	46 42	48 41	48 42	59.3 46.2		
BENSON POLICE BARRACKS	MAX MIN	62 50	60 46	56 50	57 51	59 51	58 50	63 38	58 41	65 37	74 51	73 46	68 49	68 52	72 53	67 47	56 37	60 43	62 36	69 45	78 55	69 47	55 34	54 35	58 31	52 28	47 35	53 49	44 39	45 37	45 39	60.4 43.2		
BOYDS 2 NW	MAX MIN	59 50	58 47	54 49	61 51	60 49	58 49	64 39	59 38	67 37	74 50	73 52	67 52	68 55	74 56	71 46	49 39	56 40	61 40	73 52	78 55	65 47	49 34	50 35	54 33	49 35	48 36	56 45	47 41	45 37	43 39	59.7 44.4		
CATOCTIN MOUNTAIN PARK	MAX MIN	53 45	52 43	48 45	53 46	55 49	50 45	59 39	51 35	63 41	68 47	65 53	61 48	63 50	65 53	62 42	47 32	52 38	55 42	73 50	72 49	62 39	55 42	55 38	44 27	45 24	48 41	59 31	44 34	40 31	39 35	39 36	54.5 41.0	
CLARKSVILLE 3 NNE	MAX MIN	61 50	61 48	54 48	62 49	62 49	59 48	65 31	60 37	67 34	75 50	73 47	65 49	72 51	75 49	69 44	61 37	62 41	62 39	71 42	81 46	73 45	45 35	51 32	56 30	44 31	52 24	59 46	50 37	46 31	46 38	61.0 40.5		
CONOWINGO DAM	MAX MIN	64 49	57 45	60 51	60 53	61 52	57 50	62 39	56 37	65 34	70 50	67 47	54 49	66 51	67 49	63 44	49 37	62 43	58 38	65 45	73 51	56 40	42 35	51 32	55 30	42 31	55 48	46 35	51 43	45 38	46 41	57.1 42.6		
DAMASCUS 2 SW	MAX MIN	58 50	56 48	52 49	59 50	58 49	58 48	62 40	55 39	65 39	72 51	70 52	64 51	67 55	71 57	70 45	47 39	56 44	59 42	72 51	76 60	62 46	46 33	48 33	52 32	44 33	48 33	57 45	45 37	44 36	43 36	57.9 44.3		
EMMITSBURG 2 SE	MAX MIN	60 46	59 47	53 49	59 50	60 52	58 51	62 37	59 39	66 33	71 49	71 44	69 52	66 54	69 52	70 44	46 37	56 37	58 31	71 44	75 52	63 43	43 34	52 33	56 29	47 29	46 35	52 43	43 35	43 38	42 39	58.2 41.9		
FREDRICK POLICE BRKS	MAX MIN OBS	60 50	59 48	55 48	59 51	61 52	58 51	63 42	63 41	68 37	71 49	70 52	68 53	68 54	70 54	73 48	51 38	57 40	60 35	72 49	72 58	72 49	51 34	52 35	55 34	53 33	48 36	53 44	46 37	45 38	43 39	59.9 44.3		
PARKTON 2 SW	MAX MIN	59 44	56 43	53 47	57 49	55 48	55 45	62 35	57 33	66 31	73 48	73 45	55 46	65 54	73 50	58 40	44 34	58 39	60 32	70 48	78 52	54 39	40 31	50 29	55 29	40 28	45 38	57 48	41 35	43 35	43 37	56.5 39.8		
ROCKVILLE 1 NE	MAX MIN	58 48	54 47	52 48	60 50	57 48	55 44	60 33	53 37	65 30	72 49	72 45	56 50	69 55	73 52	64 43	44 39	56 37	64 32	71 48	77 55	55 42	42 28	46 28	51 28	38 27	48 36	54 35	40 31	42 36	41 36	56.1 40.6		
TOWSON	MAX MIN OBS	62 49	60 46	53 48	60 50	61 49	58 49	62 38	58 40	67 34	75 50	72 42	70 48	70 51	74 55	71 45	49 36	61 40	61 38	73 47	79 58	74 46	49 33	53 33	55 33	52 32	49 35	56 44	50 35	50 39	50 38	61.1 42.7		
UNIONVILLE	MAX MIN	61 40	58 40	61 45	60 48	61 49	59 46	65 32	58 33	60 36	73 29	73 31	60 50	67 45	73 46	74 43	65 38	57 30	59 29	70 39	72 47	76 36	43 33	51 33	55 25	54 25	48 36	49 37	43 37	45 29	54 25	60.5 37.1		
WESTMINSTER POLICE BRK	MAX MIN OBS	60 48	60 46	53 48	57 50	59 43	59 49	61 42	61 39	65 38	71 51	70 52	69 48	67 53	72 57	70 44	47 35	55 39	58 41	75 50	75 59	73 43	53 32	47 37	52 34	51 40	49 46	57 42	49 40	43 42	43 43	59.4 44.2		
WOODSTOCK	MAX MIN	60 51	59 49	54 50	60 51	60 52	58 50	64 37	58 40	66 33	75 51	72 45	67 50	70 54	72 53	70 46	48 40	59 43	60 33	72 48	80 58	74 48	49 34	50 32	56 29	48 30	51 37	57 45	49 39	45 38	45 40	60.3 43.5		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
NOVEMBER 1985

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	
APPALACHIAN MOUNTAIN 07																																
CUMBERLAND 2	MAX	56	54	54	57	57	55	58	57	71	74	69	64	66	70	69	50	65	58	73	74	54	45	53	55	49	45	54	44	45	44	
	MIN	47	47	49	52	49	40	39	34	34	42	53	53	53	44	38	38	37	38	43	38	34	33	32	33	34	34	37	37	39	40	
FROSTBURG 2	MAX	50	49	45	49	52	51	46	60	49	65	67	64	62	62	67	44	47	56	53	71	67	46	44	48	46	34	59	57	42	41	
	MIN	40	42	41	44	48	42	38	34	34	38	53	49	49	56	39	33	33	40	42	49	32	29	29	31	33	29	33	32	33	33	
HAGERSTOWN	MAX	57	57	54	59	59	55	64	59	69	73	70	63	66	68	68	48	55	59	73	78	61	45	50	54	46	46	53	45	45	42	
	MIN	48	47	49	50	51	48	39	38	40	51	52	47	48	56	45	37	40	37	53	59	42	32	33	32	33	34	41	36	37	37	
HANCOCK FRUIT LAB	MAX	58	58	54	54	52	58	64	61	71	75	71	65	67	66	70	68	62	60	73	80	62	47	50	54	51	45	54	48	44	43	
	MIN	48	46	42	49	50	50	36	37	30	35	40	48	51	51	46	37	35	31	42	48	42	33	34	27	27	34	45	32	39	39	
ALLEGHENY PLATEAU 08																																
MC HENRY 2 NW	MAX	50	47	47	51	52	53	43	55	55	65	65	65	60	60	63	44		53	61	73	65	42	47	47	42	51	58	52	56	41	
	OBS																63															
	MIN	38	41	41	43	41	40	37	31	31	40	50	52	52	55	37	33	34	40	47	52	28	28	28	28	31	30	50	33	37	33	
OAKLAND 1 SE	MAX	47	47	47	53	53	45	57	49	67	66	64	62	62	66	64	47	56	63	74	68	46	48	50	48	40	60	60	58	52	40	
	MIN	42	41	43	46	42	42	35	33	28	46	47	45	43	55	40	36	44	32	32	44	31	32	31	27	27	33	46	36	38	35	
SAVAGE RIVER DAM	MAX	52	51	50	55	56	51	50	60	50	68	67	68	60	66	68	52	50	58	56	72	67	51	46	46	48	52	46	45	45	45	
	MIN	43	42	43	46	47	45	37	36	31	32	40	49	43	49	39	37	37	34	35	41	35	32	32	34	30	32	35	35	35	36	
DELAWARE																																
NORTHERN 01																																
NEWARK UNIVERSITY FARM	MAX	66	58	59	60	60	56	63	57	68	72	73	64	69	69	66	62	61	72	77	70	57	52	55	44	46	54	49	49	42	46	
	OBS																															
	MIN	49	47	44	52	50	46	39	43	33	54	45	45	50	51	38	45	36	46	52	49	35	34	29	30	36	45	40	39	37	39	
	OBS																															
WILMINGTON WSO AP	MAX	64	55	60	61	60	57	62	57	66	71	74	52	68	69	65	58	61	60	71	75	58	42	52	54	42	47	54	43	43	46	
	MIN	49	49	52	55	50	46	40	42	37	54	47	48	50	52	44	39	46	39	47	53	41	37	35	30	34	37	42	40	38	41	
WILMINGTON PORTER RESVR	MAX	65	56	57	59	60	56	61	58	65	71	72	51	67	71	61	57	60	60	72	75	73	41	57	52	40	42	50	41	42	45	
	OBS																															
	MIN	35	42	36	53	50	48	43	41	40	54	50	46	50	55	46	38	45	43	49	58	38	35	35	34	33	35	40	38	37	39	
SOUTHERN 02																																
BRIDGEVILLE 1 NW	MAX	61	59	61	63	63	57	63	59	66	72	74	67	73	78	67	56	65	65	74	75	68	55	51	56	49	62	67	54	49	55	
	MIN	52	52	50	55	47	45	36	39	29	48	48	53	57	48	45	44	50	36	47	55	44	39	33	29	28	37	49	43	38	40	
DOVER	MAX	63	59	59	62	61	57	64	58	67	73	77	75	73	73	71	66	73	70	75	75	74	53	53	57	55	56	58	54	47	51	
	MIN	54	50	50	55	51	49	40	43	39	53	61	53	55	54	49	49	51	38	51	61	51	39	37	34	33	40	48	43	40	41	
GEORGETOWN 5 SW	MAX	62	64	60	63	63	57	56	67	57	67	73	74	68	73	77	54	65	65	65	75	75	51	57	50	57	49	65	69	57	53	
	MIN	54	52	52	57	53	49	37	43	34	50	56	57	58	51	52	45	50	38	47	55	47	43	36	29	31	39	48	47	41	41	
LEWES	MAX	65	62	64	63	62	56	68	62	69	74	76	66	75	74	71	61	65	63	74	76	72	59	54	56	54	65	68	60	54	56	
	MIN	59	57	57	60	52	48	41	45	40	54	56	57	59	55	51	48	54	49	58	62	49	44	39	35	38	41	52	47	45	41	
MILFORD 4 SE	MAX	62	62	60	62	62	56	66	58	67	74	75	64	74	74	71	61	64	61	76	75	68	56	51	57	47	63	64	53	50	53	
	MIN	56	55	55	60	51	49	38	44	38	54	52	53	61	53	47	44	54	37	52	60	46	43	37	32	32	40	49	46	42	43	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

EVAPORATION AND WIND

MARYLAND AND
DELAWARE
NOVEMBER 1985

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 UPPER MARLBORO 3 NNW		WIND	50'	47'	0'	26'	23'	0'	4'	1'	0'	5'	14'	1'	1'	2'	21'	13'	0'	0'	1'	11'	5'	0'	1'	0'	0'	0'	0'	17'	7'	2'	252 1.89B 57.1 48.1
EVAP	3'	3'	1'	-	5'	3'	7'	11'	11'	15'	8'	7'	1'	5'	14'	16'	0'	5'	5'	4'	17'	11'	-	5'	5'	3'	2'	-	3'	0'			
MAX	55'	52'	54'	55'	58'	55'	60'	63'	59'	60'	69'	67'	58'	69'	71'	61'	47'	62'	59'	69'	75'	55'	42'	50'	52'	42'	49'	53'	47'	45'			
MIN	51'	52'	52'	54'	55'	53'	46'	46'	43'	43'	51'	54'	58'	58'	56'	47'	46'	46'	45'	55'	55'	42'	38'	38'	40'	41'	42'	47'	44'	44'			

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 1985

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																																		
APPALACHIAN MOUNTAIN	07																																	
FROSTBURG 2																																		
DELAWARE																																		
	SNOWFALL SN ON GND																																	

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 1985

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	01930	04	ANNE ARUNDEL	38 59	76 30W	25	17	17			H	ANNAPOLIS POLICE BRKS
ASSATEAGUE ISLAND NATL	00335	01	WORCESTER	38 14	75 8W	7	7	7			H	NATIONAL PARK SERVICE
BALTIMORE WSO AP	00465	04	ANNE ARUNDEL	39 11	76 40W	196	MID	MID		C	H	NATL WEATHER SERVICE
BALTIMORE WSO CI	00700	06	BALTO CITY	39 17	76 37W	91	MID	MID		C	H	OCMI COMMANDING OFFICER
BELTSVILLE	07000	04	PRN GEORGES	39 2	76 53W	120	8	8		B	C	U S DEPT OF AGRICULTURE
BENSON POLICE BARRACKS	07320	06	HARFORD	39 30	76 23W	365	17	17			H	MARYLAND STATE POLICE
BOYDS 2 NW	10320	06	MONTGOMERY	39 13	77 20W	580	18	18			H	HUNTER F STALEY
BRIGHTON DAM	11250	06	MONTGOMERY	39 12	77 1W	330		MID				WASH SUB SANY COMM
CAMBRIDGE WTR TRMT PL	13850	02	DORCHESTER	38 34	76 4W	5	16	16			H	WASTEWATER TRTMT PLANT
CATOCTIN MOUNTAIN PARK	15300	06	FREDERICK	39 39	77 29W	1610	17	17		C	H	CATOCTIN MOUNTAIN PARK
CENTREVILLE	16270	05	QUEEN ANNES	39 3	76 4W	60	17	17			H	MICHAEL B CATE
CHESTERTOWN	17500	05	KENT	39 13	76 4W	40	23	23			H	THOMAS W ELIASON JR
CLARKSVILLE 3 NNE	18620	06	HOWARD	39 15	76 56W	365	17	17			H	UNIVERSITY OF MARYLAND
COLLEGE PARK	19950	04	PRN GEORGES	38 59	76 57W	90	9	9		C	H	UNIVERSITY OF MARYLAND
CONQUINGO DAM	20600	06	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			H	SOMERS COVE MARINA
CUMBERLAND 2	22820	07	ALLEGANY	39 38	78 45W	730	18	7			H	TIMOTHY B THOMAS
DALECARLIA RESVR D C	23225	04		38 56	77 7W	146	17	17			H	U S CORPS OF ENGINEERS
DAMASCUS 2 SW	23335	06	MONTGOMERY	39 16	77 14W	720	19	19			H	RICHARD W SCHWERDT
DENTON 2 E	25223	02	CAROLINE	38 53	75 48W	50	17	17			H	ARTHUR REINHOLD
EDGEMONT	27700	07	WASHINGTON	39 40	77 33W	905		7			H	JOHN W HARNE
EMMITSBURG 2 SE	29060	06	FREDERICK	39 41	77 18W	416	17	17			H	MRS LUCILLE K BEALE
FREDERICK POLICE BRKS	33480	06	FREDERICK	39 25	77 26W	380	17	17			H	MARYLAND STATE POLICE
FREDERICK 3 E	33550	06	FREDERICK	39 24	77 22W	385		7			H	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			H	HAGERSTOWN RESERVOIR
HANCOCK FRUIT LAB	40300	07	WASHINGTON	39 42	78 11W	428	16	16		C	H	SHARPSBURG RESEARCH C
LA PLATA 1 W	50800	03	CHARLES	38 32	77 0W	140	18	18			H	C RUSSELL LEVERING
LAUREL 3 W	51110	04	PRN GEORGES	39 6	76 54W	4000	MID	MID			H	WASH SUB SANY COMM
MC HENRY 2 NW	58320	08	GARRETT	39 35	79 22W	2680	8	8		C	H	JOSEPH F JOHENNING
MECHANICSVILLE 5 NE	58650	03	ST MARYS	38 26	76 43W	100	19	19			H	SANDRA J HASTING
MERRILL	58940	08	GARRETT	39 36	79 5W	1790	9	9			H	DELWOOD E MERRILL
MILLINGTON 1 SE	59850	05	KENT	39 16	75 52W	30	18	18			H	HOWARD L HARVEY
NATIONAL ARBORETUM D C	63500	04		38 54	76 59W	50	8	8			H	U S NATL ARBORETUM
OAKLAND 1 SE	66200	08	GARRETT	39 24	79 24W	2420	17	17			H	BEA J CROSCO
OWINGS FERRY LANDING	67700	03	CALVERT	38 41	76 40W	160	17	17			H	JAMES C RASMUSSEN
PARKTON 2 SW	68440	06	BALTIMORE	39 38	76 42W	600	23	23			H	JOHN R FOX
PATUXENT RIVER	69150	03	ST MARY'S	38 20	76 25W	38	MID	MID		C	H	NAVAL WEATHER SERVICE
POTOMAC FILTER PLANT	72720	06	MONTGOMERY	39 2	77 15W	270		8			H	POTOMAC WATER FILT PLT
PRINCESS ANNE	73300	01	SOMERSET	38 13	75 41W	20	17	17			H	UNIVERSITY MARYLAND EAST
ROCKVILLE 1 NE	77050	06	MONTGOMERY	39 6	77 6W	440	17	17			H	WASH GAS & LIGHT CO
ROYAL OAK 2 SSW	78060	02	TALBOT	38 43	76 11W	10	18	18			H	JOHN L SWAINE JR
SALISBURY	80000	01	WICOMICO	38 22	75 35W	10	17	17			H	CITY OF SALISBURY
SALISBURY FAA AP	80050	01	WICOMICO	38 20	75 31W	48	MID	MID			H	FAA
SAVAGE RIVER DAM	80650	08	GARRETT	39 31	79 8W	1495	8	8		B	C	U S CORPS OF ENGINEERS
SNOW HILL 4 N	83800	01	WORCESTER	38 14	75 23W	28	18	18			H	CURTIS E SHOCKLEY
TOWSON	88770	06	BALTIMORE	39 23	76 34W	390	18	18			H	BENDIX FRIEZ
UNIONVILLE	90300	06	FREDERICK	39 27	77 11W	430	18	18			H	CAROLINE R VON EIFF
UPPER MARLBORO 3 NNW	90700	04	PRN GEORGES	38 52	76 47W	98	8	8		B	H	TOBACCO EXP FARM
VIENNA	91400	02	DORCHESTER	38 29	75 50W	12	18	18			H	DELMARVA POWER & LIGHT
WESTMINSTER POLICE BRK	94400	06	CARROLL	39 33	76 58W	765	17	17			H	MARYLAND STATE POLICE

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
NOVEMBER 1985

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											
BRIDGEVILLE 1 NW	1330	00	SUSSEX	38 45	75 37W	50	17	17		H	WILLIAM M RAY
DOVER	2730	00	KENT	39 09	75 31W	30	17	17		H	STATE DIV OF HIGHWAYS
GEORGETOWN 5 SW	3570	00	SUSSEX	38 38	75 27W	45	8	8		H	UNIV OF DEL SUBSTATION
LEWES	5320	00	SUSSEX	38 46	75 08W	15	17	17	8C	H	BOARD OF PUBLIC WORKS
MIDDLETOWN 1 WSW	5852	00	NEW CASTLE	39 26	75 45W	60	16	16		H	INACTIVE 08/01/85
MILFORD 4 SE	5915	00	SUSSEX	38 54	75 28W	30	17	17		H	DAVID S SCHLOTT
NEWARK UNIVERSITY FARM	6410	00	NEW CASTLE	39 40	75 44W	90	17	17	17C	H	UNIV OF DELAWARE
WILMINGTON WSO AP	R 9595	00	NEW CASTLE	39 40	75 36W	79	MID	MID		C H J	NATL WEATHER SERVICE
WILMGTN 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 1985

DEFINITIONS

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.

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.

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.

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 a time period. Effective 1 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.

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).

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.

SYMBOLS AND LETTERS USED IN THE STATION INDEX TABLE

- # Thermometers located in a rooftop shelter.
- // Rain Gage equipped with a windshield.
- 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 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

- 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 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".

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 information for regular National Weather Service Offices may be obtained from the "Local Climatological Data" annual publication.

SUBSCRIPTION, PRICE AND ORDERING INFORMATION AVAILABLE FROM:
THE NATIONAL CLIMATIC DATA CENTER, FEDERAL BUILDING,
ASHEVILLE, N.C. 28801-2696

USCOMM-NOAA-ASHEVILLE, N.C. NOVEMBER 1985-0800

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 archived microfiche copies of the CD bulletin.

M A R Y L A N D A N D D E L A W A R E - N O V E M B E R 1 9 8 5

SPECIAL WEATHER SUMMARY

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

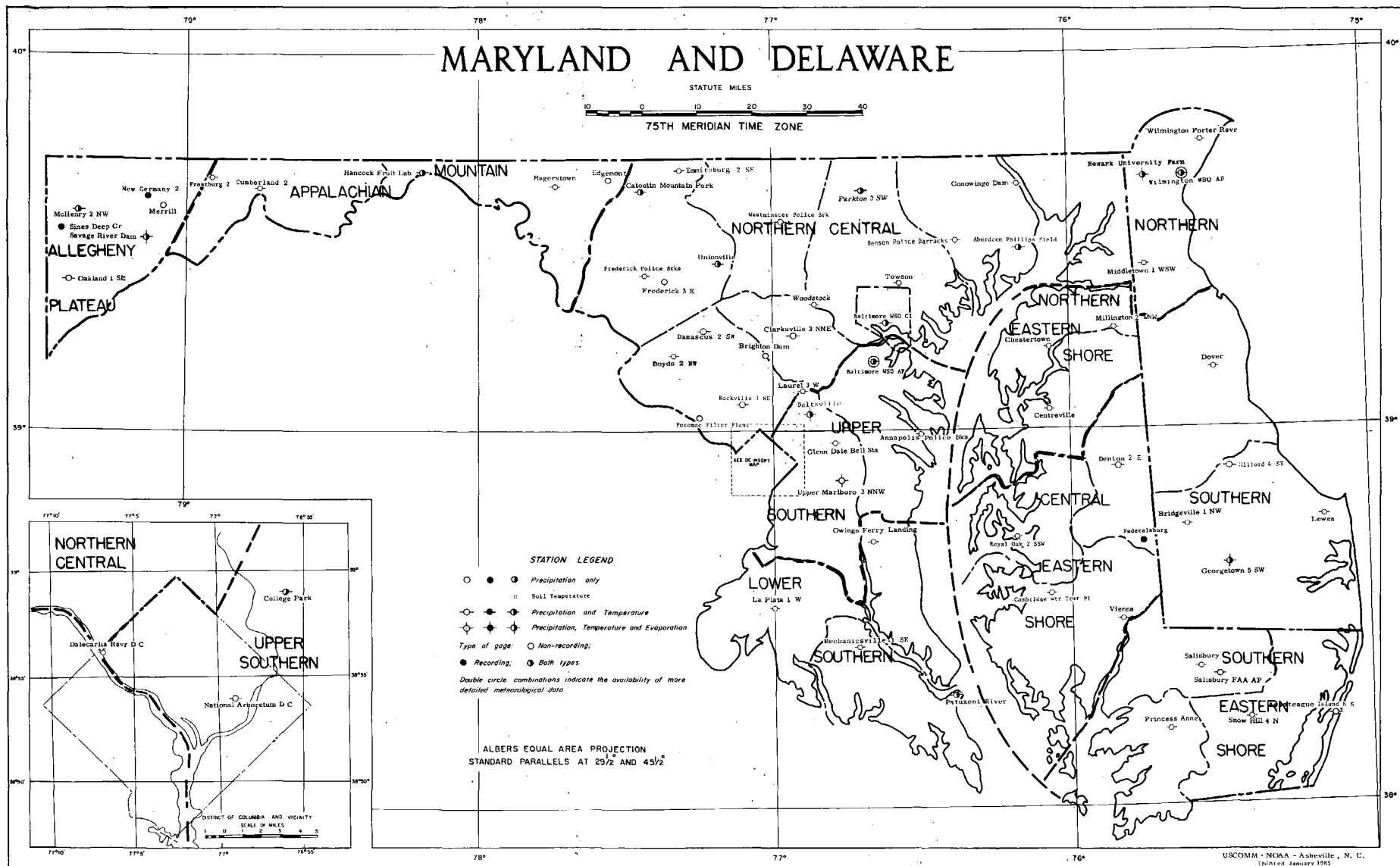
This was a record warm month for both states, breaking the all-time record set in 1931. Precipitation was also above normal, especially in Maryland. In Garrett and western Allegheny Counties, some monthly totals exceeded 12 inches, breaking previous November records, even doubling them in some cases. River and small stream flooding in western Maryland and tidal flooding along the Chesapeake Bay counties of southern Maryland caused one death and extensive damage during the period of the 4th through the 7th. Damage was estimated at \$19 million by Civil Defense officials.

In Garrett County, an engineer/fireman was trapped and drowned as flood waters eroded a section of railroad track, causing his locomotive to roll over on its side. Along the western shores of the Chesapeake Bay and its tributaries in southern Maryland, strong easterly winds combined with storm tides reaching 4 to 6 feet above normal, accompanied by waves of 6 to 8 feet, resulted in extensive damage to piers and sea walls as well as to buildings and roads. Considerable beach and soil erosion was reported. Water levels were reported as the highest since the Hurricane of August 1933.

The state monthly temperatures averaged 52.3° (normal, 46.0°) for Maryland and 54.2° (normal, 47.3°) for Delaware. The previous record, set in 1931, was 51.9° for Maryland and 53.1° for Delaware. The National Weather Service Airport Stations recorded only a few days during the month when daily temperatures dropped below normal: four days at Baltimore; four days at Washington National Airport; and three days at Wilmington. The first 21 days at Wilmington were all above normal. Also, there were either none or one or two days in which the daily minimum temperature dropped to 32° or lower: Washington National Airport, none (average, 7 days); Wilmington, one day, the 24th, (average, 18 days); Baltimore, two days, the 24th and the 25th, (average, 11 days). At Baltimore, the previous record was five days.

State monthly precipitation averaged 5.58 inches (normal, 3.26 inches) for Maryland and 4.18 inches (normal, 3.38 inches) for Delaware. This was the wettest November since 1972 for Maryland and since 1983 for Delaware. Many November precipitation records were established in the Garrett-Western Allegheny County area. Precipitation for five Garrett County stations averaged 11.77 inches for the month while Frostburg in western Allegheny County recorded 12.91 inches. These were remarkable totals for this month.

Another unusual feature was the absence of snow across Maryland and Delaware in November. Only one station, Frostburg, recorded snowfall--0.09 inch.



DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE
NATIONAL CLIMATIC DATA CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

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