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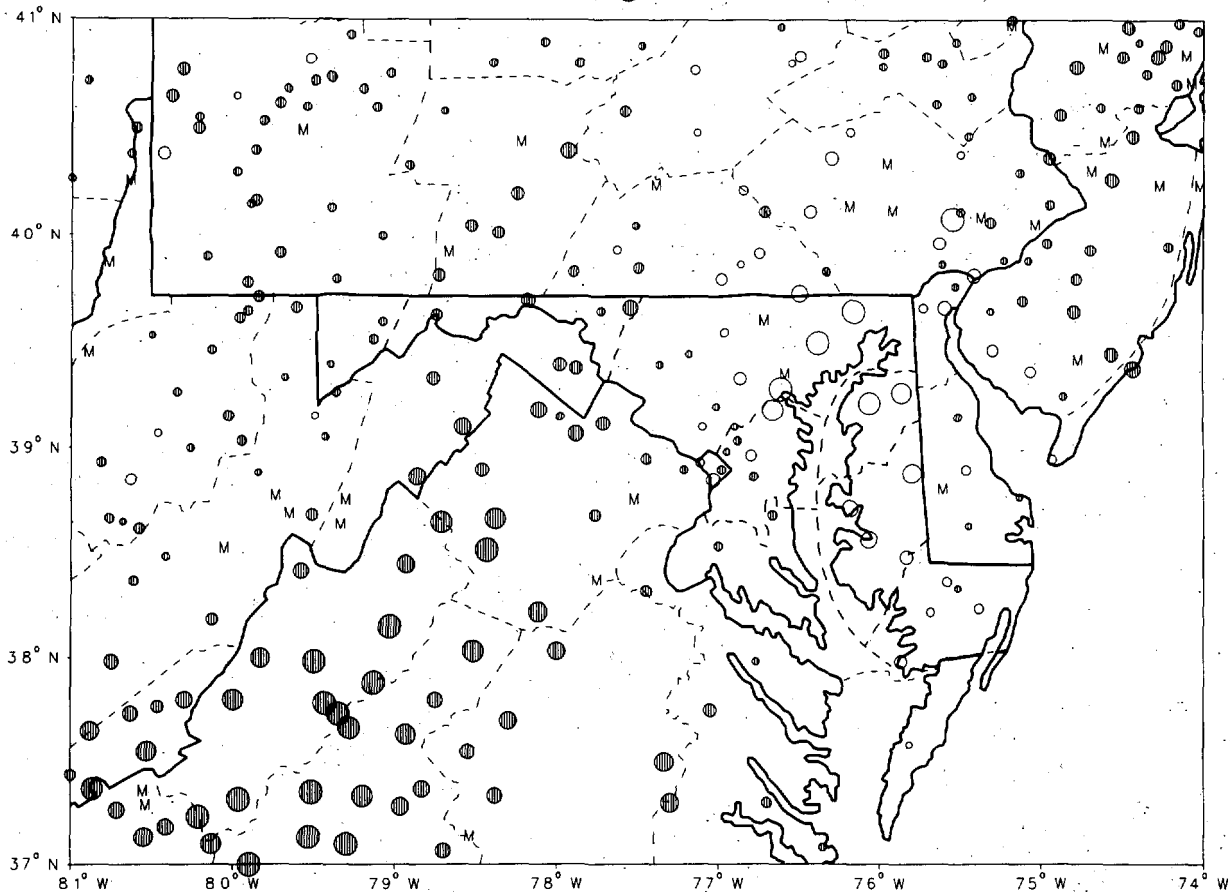
CLIMATOLOGICAL DATA MARYLAND AND DELAWARE

APRIL 1987

VOLUME 91 NUMBER 4

MONTHLY PRECIPITATION DEPARTURE FROM INDIVIDUAL STATION NORMALS (1951-1980)

- M INCOMPLETE DATA FOR THE MONTH
- ▽ EXACTLY NORMAL
- ○ ○ ○ 5, 10, 20, ... 50% OR MORE BELOW NORMAL
- ● ● ● 10, 20, 40, ... 100% OR MORE ABOVE NORMAL



CIRCLE DIAMETER IS PROPORTIONAL TO DEPARTURE ON A CONTINUOUS SCALE

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION AND IS COMPILED FROM INFORMATION RECEIVED AT THE NATIONAL CLIMATIC DATA CENTER.

Kenneth D. Haden

DIRECTOR, NATIONAL CLIMATIC DATA CENTER

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND AND
DELAWARE
APRIL 1987

MARYLAND
 HIGHEST TEMPERATURE 87
 LOWEST TEMPERATURE 16
 GREATEST TOTAL PRECIPITATION 7.54
 LEAST TOTAL PRECIPITATION 1.40
 GREATEST 1 DAY PRECIPITATION 3.03
 GREATEST TOTAL SNOWFALL 26.5
 GREATEST DEPTH OF SNOW OR ICE 17

DELAWARE
 HIGHEST TEMPERATURE 80
 LOWEST TEMPERATURE 24
 GREATEST TOTAL PRECIPITATION 4.35
 LEAST TOTAL PRECIPITATION 2.63
 GREATEST 1 DAY PRECIPITATION 1.49
 GREATEST TOTAL SNOWFALL 2.4
 GREATEST DEPTH OF SNOW OR ICE 2

APRIL 22
 APRIL 1

APRIL 4
 APRIL 6

APRIL 22
 APRIL 1

APRIL 24
 APRIL 6

CUMBERLAND 2
 MC HENRY 2 NW
 EDGEMONT
 ABERDEEN PHILLIPS FLD
 CATOCTIN MOUNTAIN PARK
 MC HENRY 2 NW
 MC HENRY 2 NW

DOVER
 NEWARK UNIVERSITY FARM
 WILMGTON PORTER RESVR
 WILMINGTON WSO AP R
 WILMINGTON PORTER RESVR
 WILMINGTON WSO AP R
 WILMINGTON WSO AP R

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
APRIL 1987

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		
MARYLAND																							
SOUTHERN EASTERN SHORE 01																							
ASSATEAGUE ISLAND NATL SE	57.7	44.0	50.9		6830+	30	1	419	0	0	0	2	0	3.97		1.50	25	.0	0		7	2	2
CRISFIELD SOMERS COVE	62.2	46.6	54.4		7530+	30	1	313	1	0	0	0	0	4.43		1.16	25	.0	0		6	1	1
PRINCESS ANNE	63.7	41.9	52.8		7730+	25	3	360	0	0	0	5	0	3.16		1.11	25	.0	0		7	2	2
SALISBURY	63.9	45.0	54.5		7930+	30	1	310	3	0	0	0	0	3.01		1.15	25	.0	0		6	2	1
SALISBURY FAA AP	61.1	42.7	51.9		7630+	30	1	386	0	0	0	2	0	3.20		1.47	25	.0	0		5	2	1
SNOW HILL 4 N	61.8	42.5	52.2		7422	29	1	380	0	0	0	4	0	3.03		1.11	25	.0	0		6	2	2
--DIVISIONAL DATA-->																							
CENTRAL EASTERN SHORE 02																							
CAMBRIDGE WTR TRMT PL	64.5	45.1	54.8		7923+	31	1	304	3	0	0	2	0	2.29	-1.01	.78	25	.0	0		5	1	0
DENTON 2 E	64.3	41.4	52.9		8022	28	1	361	4	0	0	3	0	2.08	-1.24	.58	25	.0	0		7	1	0
ROYAL OAK 2 SSW	62.6	45.2	53.9		7822	30	1	330	2	0	0	2	0	4.48		1.02	25	.0	0		7	1	1
VIENNA	65.8	45.1	55.5		8122	30	1	284	4	0	0	2	0	2.69		.97	25	.0	0		6	1	0
--DIVISIONAL DATA-->																							
LOWER SOUTHERN 03																							
LA PLATA 1 W	65.2	43.5	54.4	-1.1	8422	26	1	317	4	0	0	3	0	4.06	.89	.97	4	T	T		5	5	0
MECHANICSVILLE 1 E	64.2	43.3	53.8		8122	27	1	332	2	0	0	3	0	4.34		1.32	4	T	T		6	4	2
OWINGS FERRY LANDING	64.9	43.9	54.4	-1.1	8122	27	1	313	4	0	0	1	0	4.36	1.12	1.63	4	T	0		5	4	2
PATUXENT RIVER	62.2	46.2	54.2		7822	30	1	319	0	0	0	2	0	3.98		1.27	25	T	T		7	3	1
--DIVISIONAL DATA-->																							
UPPER SOUTHERN 04																							
ANNAPOLIS POLICE BRKS	66.7	41.7	54.2		7730+	25	1	318	1	0	0	2	0	2.35		.89	4	.0	0		5	1	0
BALTIMORE WSO AP	62.7	43.5	53.1		8022	25	1	357	7	0	0	1	0	1.86	-1.49	.52	16	T	T		5	1	0
BELTSVILLE	62.2	41.3	51.8		8223	26	1	389	1	0	0	5	0	4.01		.91	4	T	0		8	4	0
COLLEGE PARK	64.2	44.0	54.1		8423	28	1	322	5	0	0	2	0	3.49		.80	4	T	0		7	4	1
DALECARLIA RESVR D C	66.1	43.1	54.6		8623	33	6	311	4	0	0	0	0	3.35		1.12	4	.0	0		7	2	0
GLENN DALE BELL STN	65.7	40.2	53.0		8422	23	1	357	3	0	0	8	0	3.07		1.50	4	.0	0		5	2	1
LAUREL 3 W	63.1	43.9	53.5		8322	24	1	342	6	0	0	3	0	3.64		1.25	4	T	0		6	2	1
NATIONAL ARBORETUM D C	64.5	40.5	52.5		8323	26	1	367	0	0	0	3	0	4.24		1.32	17	.0	0		8	4	1
UPPER MARLBORO 3 NNN	62.5	42.4	52.5		8123	26	1	366	0	0	0	1	0	4.23		.96	5	.0	0		8	3	0
--DIVISIONAL DATA-->																							
NORTHERN EASTERN SHORE 05																							
CHESTERTOWN	62.6	43.9	53.3		8222	30	1	347	5	0	0	1	0	1.75	-1.50	.40	3	.0	0		7	0	0
MILLINGTON 1 SE	63.1	42.4	52.8		8022	29	1	362	2	0	0	2	0	1.90	-1.28	.54	4	.0	0		5	1	0
--DIVISIONAL DATA-->																							
NORTHERN CENTRAL 06																							
ABERDEEN PHILLIPS FLD	63.9	44.3	54.1		8022	27	1	324	4	0	0	2	0	1.40				T	T		1	0	0
BALTIMORE WSO CI	64.6	49.2	56.9		8422	32	1	252	17	0	0	3	0	1.71				M	M		6	0	0
BENSON POLICE BARRACKS	66.5	40.3	53.4		8122+	24	1	344	4	0	0	3	0	2.05	-1.80	.45	3	T	T		6	0	0
BOYDS 2 NW	63.2	42.2	52.7		8323+	23	1	368	7	0	0	5	0	3.56		1.65	4	1.0	0		6	2	1
CATOCTIN MOUNTAIN PARK	60.5	39.6	50.1		7922	20	1	444	4	0	0	6	0	6.19		3.03	4	8.0	0		6	2	1
CLARKSVILLE 3 NNE	63.5	40.0	51.8		8023+	24	1	390	0	0	0	3	0	3.20		1.15	4	1.0	0		5	3	1
CONOWINGO DAM	62.3	40.7	51.5		8022	28	1	398	0	0	0	4	0	1.81		.58	5	.0	0		5	3	1
DAMASCUS 2 SW	61.5	42.3	51.9		8322	22	1	391	6	0	0	3	0	4.20	-2.01	1.64	4	1.0	0		10	3	1
EMMITSBURG 2 SE	62.5	39.4	51.0		8023+	24	1	413	0	0	0	8	0	3.82		.93	4	5.0	2		8	3	0

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
APRIL 1987

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	5.0 OR MORE	1.00 OR MORE	
FREDRICK POLICE BRKS	65.0M	43.4	54.2M		83	22	25	1	313	8	0	0	2	0	3.66		1.60	4		0			7	1	1
PARKTON 2 SW																									
ROCKVILLE 1 NE	64.5M	44.5M	54.5	-1.4	86	22	23	1	327	14	0	0	1	0	3.11	-.13	.92	4		M	M		7	1	0
TOWSON																									
UNIONVILLE	63.5M	35.9	49.7	-1.8	82	22	17	1	450	0	0	0	11	0	3.71	.20	1.10	24	M	M	M	8	3	1	
WESTMINSTER POLICE BRK	63.5M	41.8	52.7	-1.5	82	22	23	1	372	7	0	0	4	0	3.47	.22	.96	17		T	T	9	3	0	
WOODSTOCK	63.7	41.4	52.6	-1.3	83	22	23	1	373	5	0	0	3	0	2.95	.67	.82	4		T	T	6	3	0	
--DIVISIONAL DATA-->			52.7	-1.5											3.20	.43	1.9								
APPALACHIAN MOUNTAIN																									
07																									
CUMBERLAND 2	62.4	40.7	51.6	-1.9	87	22	31	1	409	12	0	0	1	0	5.28	1.92	1.00	4		T	T	14	4	1	
FROSTBURG 2	53.6	37.6	45.6	-1.3	78	23	19	1	575	0	0	0	6	0	6.71		1.55	17		T	T	13	4	1	
HAGERSTOWN	63.4M	41.6	52.5M	-1.1	83	22	23	1	365	7	0	0	5	0	4.31	.81	1.33	5		T	T	8	3	1	
HANCOCK FRUIT LAB	63.0	38.6	50.8	-1.3	83	22	23	1	420	2	0	0	9	0	6.01	2.77	2.68	4		T	T	9	3	2	
--DIVISIONAL DATA-->			50.1	-2.2											5.58	2.15	5.2								
ALLEGHENY PLATEAU																									
08																									
MC HENRY 2 NW	53.8	35.4	44.6	-1.3	82	22	16	1	604	0	0	2	10	0	4.75		26.5	17		T	T	10	2	0	
OAKLAND 1 SE	56.5	35.2	45.9	-1.3	79	22	19	1	570	0	0	0	13	0	4.89	.38	16.3	13		T	T	12	3	0	
SAVAGE RIVER DAM	57.3	36.6	47.0	-1.4	82	22	23	2+	537	1	0	0	11	0	4.64	1.16	4.0	17		T	T	9	3	1	
--DIVISIONAL DATA-->			45.8	-1.4											4.76	.57	15.6								
DELAWARE																									
NORTHERN																									
01																									
MIDDLETOWN 3 E	62.1	42.7	52.4	-1.1	77	22	28	1	370	1	0	0	2	0	2.71		1.21	4		T	T	4	2	1	
NEWARK UNIVERSITY FARM	63.9	41.5	52.7	-1.1	79	22	24	1	364	3	0	0	3	0	3.25	.25	1.02	4		T	T	6	3	1	
WILMINGTON WSO AP	61.5	43.0	52.3	-1.1	77	22	28	1	374	3	0	0	2	0	2.69	.76	2.4	4		T	T	6	3	0	
WILMGTN PORTER RESVR	61.6	44.1	52.9	-1.1	77	22	29	1	359	4	0	0	1	0	4.35	.47	1.49	24		T	T	8	3	1	
--DIVISIONAL DATA-->			52.6	-1.1											3.24	.30	.7								
SOUTHERN																									
02																									
DOVER	63.4	44.1	53.8	-1.9	80	22	28	1	336	3	0	0	1	0	3.85	.64	.98	4		T	T	8	3	0	
GEORGETOWN 5 SW	61.2	41.6	51.4	-2.2	73	12	29	1	403	0	0	0	4	0	3.24	.04	1.10	4		T	T	8	2	1	
GREENWOOD 2 NE																									
LEWES	58.8	43.3	51.1	-2.0	73	11	29	1	411	0	0	0	2	0	3.45	.04	1.32	4		T	T	5	3	1	
MILFORD 4 SE	61.0	42.1	51.6	-2.8	75	11	29	1	397	0	0	0	3	0	3.09	.32	.0			T	T	3	1	1	
--DIVISIONAL DATA-->			52.0	-2.1											3.41	.10	.0								

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
APRIL 1987

STATION	TOTAL	DAY OF MONTH																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MARYLAND																																
SOUTHERN EASTERN SHORE 01																																
ASSATEAGUE ISLAND NATL SE	3.97				1.27								10					.28	.05	.04	.07	.35	.03	.01	.15	1.50	.10		T		.02	
CRISFIELD SOMERS COVE	2.43				.47						.21					.38	.11					.10										
PRINCESS ANNE	3.16				.59	.03									.28						.45	.15			.43	1.11	.12					
SALISBURY	3.01	T			.63	T		T				.05			.08	.18	.01				.42	.08	.01	.20	1.15	.20		T	T			
SALISBURY FAA AP	3.20			.32	.35	T	T	T				T			T	.09	.02		T		.58	.02	.02	.08	.20	1.47	.05		T	T		
SNOW HILL 4 N	3.03				1.03	T	.01					T	.08		T	.03	.12		T	.10	.14	.01	.02	.31	1.11	.07		T				
CENTRAL EASTERN SHORE 02																																
CAMBRIDGE WTR TRMT PL	2.29				.39	.05	.05								T	.05	.41		T	.01	.04				.15	.78	.36					
DENTON 2 E	2.08				.41	.06					.22	.01			T	.12	.21	.01	T	.05	.12			.06	.58	.18				.05		
ROYAL OAK 2 SSW	2.48			T	.42	.12	.02					.19			T	.34	.11	T	T	.08	T			.05	1.02	.10		.01		.02		
VIENNA	2.69				.40	.02	.02					.05					.39							.40	.97	.34						
LOWER SOUTHERN 03																																
LA PLATA 1 W	4.06				.97	.02	.08	.06				T	.03	T		.65	.75	T	T	.08				.52	.82	.08				T		
MECHANICSVILLE 1 E	4.34				1.32	.04	.02	.02					.08			.03	.76	.58	.02	.02			T	.13	1.15	.17			T	T		
OWINGS FERRY LANDING	4.36				1.63	.10							.02			.63	.76	T	.03				.01	1.10	.04					T		
PATUXENT RIVER	3.98			.46	.30	.06	T					T	.02			.10	.80	.16	T	T	.04	T		.02	.75	1.27		T	T	T		
UPPER SOUTHERN 04																																
ANNAPOLIS POLICE BRKS	2.35				.89	.10										.32	.46	T		.05				.02	.47	.04						
BALTIMORE WSO AP	1.86		T	.48	.20	.04	.09					T	T		T	.52	.28		T				.01	.18	.06				T			
BELTSVILLE	4.01	.67			.91	.90	.17	.01					.01		T	.17	.76		.02					.16	.22	.01						
COLLEGE PARK	3.49	.70			.80	.62	.10						T		T	.19	.77				T			.25	.06							
DALECARLIA RESVR D C	3.35	.01			1.12	.11	.22					.03	T			.41	.62							.66	.14					.03		
GLENN DALE BELL STN	3.07			T	1.50	.02	.02					T				.02	.16	.82	.02			T		.20	.24	.01				T		
LAUREL 3 W	3.64			.44	1.25	.06	.16					.01			.06	.47	.48	T						.67	.04							
NATIONAL ARBORETUM D C	4.24	.71			.57	.53	.30	.03				.02			.22	1.32	.11	.04	.01					.07	.29	.06				.02		
UPPER MARLBORO 3 NNW	4.23	.37			.84	.96	.11					.02			.20	.84	.04			.04				.07	.43	.29				.02		
NORTHERN EASTERN SHORE 05																																
CHESTERTOWN	1.75			.40	.14	.18	.12					T			.02	.23	.05			.03	T		T	.35	.23					T		
MILLINGTON 1 SE	1.90				.54	.07	.24								.01	T	.34							.25	.45					T		
NORTHERN CENTRAL 06																																
ABERDEEN PHILLIPS FLD	1.40				*	*	1.01	T				T	T		T	T	.15						T	.06	*	*	.18	T				
BALTIMORE WSO CI	1.71		.01	.45	.14	.06	.13				.01	T	T		T	.41	.23			.09	T		.02	.14	.02							
BENSON POLICE BARRACKS	2.05	T			.59	.10	.40	T							.01	T	.46		.01		.07			.20	.19	.02						
BOYDS 2 NW	3.56		.04		1.65	.16	.48					.05			.07	.07	.55							.28	.21							
BRIGHTON DAM	3.83		.05	.37	1.40	T	.30		T			.10			.02	.35	.41	T	T				.70	.02						.10		
CATOCTIN MOUNTAIN PARK	6.19	.11			.41	3.03	.42	.52	.06			.15				1.33	.03	.01					.01	.11								
CLARKSVILLE 3 NNE	3.20		.08	.03	1.15	.08	.20					.07			T	.17	.65				.02			.66	.09					T		
CONOWINGO DAM	1.81		T	.38	.09	.58	.12								.04	.07	.07			.04				.30	.12							
DAMASCUS 2 SW	4.20		.11	.22	1.64	.14	.29	.01				.02	.05		.10	.27	.54	.02	T	T				.54	.22			.01	.02	T		
EMMITSBURG 2 SE	3.82			.81	.93	.21	.62	.02				.17			T	.37	.49	T						.20								
FREDERICK POLICE BRKS	3.66			.41	1.60	.25	.21	.07				.04	.05	*	.08	.35	.41	T						.12	.07							
FREDERICK 3 E	4.01	.33		.40	.95	1.15	.33	.13				.04	.05		.30	.05			T					.08	.20					T		
PARKTON 2 SW	M																															
POTOMAC FILTER PLANT	3.34		.07	.38	.70	.13	.20					.02			.08	.50	.56							.70	T							
ROCKVILLE 1 NE	3.11		.07	.38	.92	.10	.20					T	.03		.06	.39	.48						T	.48	T					T		
TOWSON																																
UNIONVILLE	3.71	M													.12	.06	.04															
WESTMINSTER POLICE BRK	3.47		.10	.38	.55	.68	.09	.16				.02	.03		.03	.30	.13								1.10	T						
WOODSTOCK	2.95		.07	.02	.82	.14	.23					.15	.08		T		.70							.70	.02							

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
APRIL 1987

STATION	TOTAL	DAY OF MONTH																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
APPALACHIAN MOUNTAIN 07																																		
CUMBERLAND 2	5.28	.20			1.00	.57	.36	.10					.10	.26			.07	.98	.78	.13						.30	.15			.10	.05	.13		
EDGEMONT	7.54	.88		.34	1.50	2.34	.53	.18					.03	.09			.22	1.07	.23							.16	.12			.31	.15	.14		
FROSTBURG 2	6.71	.43	T	T	.82	.97	.38	.09	T				.08	.33	T		.08	.77	1.55	.17					.16	.25		.03	T	.01	.14			
HAGERSTOWN	4.31	.45	T	.11	.78	1.33	.77	.06					.01				.15	.34	.22	T					.08				T	.01				
HANCOCK FRUIT LAB	6.01		T	T	2.68	.20	.75	.03					.11	T		.16	.48	1.03							.42					.12	.03			
ALLEGHENY PLATEAU 08																																		
MC HENRY 2 NW	4.75	.21	T	.11	.70	.80	.41	.05					.47		T	*	*	*	*	*	*	*	*		.85	.30	.32			.35	T	.18		
HERRILL	4.57		.10		.95	.55	.35	.09					.02	.43		.06	.38	.97	.02							.21	.03			.25	.04	.22		
OAKLAND 1 SE	4.89	T	T	.26	.95	.04	.24		T				.40	T	.70	.27	.48	.05	.22						.08	.58			.14	.19	T	.29		
SAVAGE RIVER DAM	4.64	T	.02	T	.89	.47	.27	.02						.32	.01	T	.65	1.36	.02											.21	.15	.04	.21	
DELAWARE																																		
NORTHERN 01																																		
MIDDLETOWN 3 E	2.71				1.21	.40												.26									.84							
NEHARK UNIVERSITY FARM	3.25				1.02	.26	.66										.02	.18	.01									.65	.45					
WILMINGTON WSO AP	2.63			.21	.88	.62	.12	T								T	.14	.05	T	T						T	.53	.07			T	T		
WILMINGTON PORTER RESVR	4.35			.46	.95	.61	.20	T				.01	T	T		T	.21	.27	.03	.01						T	1.49	.10						
SOUTHERN 02																																		
DOVER	3.85				.98	.18	.09						.02			.02	.02	.26	.02	.03	.10	.12	.02	.02	.02	.53	.93	.09			.06	.03		
GEORGETOWN 5 SW	3.24	.37			1.10		.01						.14			.03	.20	.02	.01						.24	.46	.52							
GREENHOOD 2 NE	H																																	
LENES	3.45				1.32	.08	.01						.08				.01	.29	T	.04	.12	.06					.82	.54			.07			
WILFORD 4 SE	3.09				1.05	.09							.19		T	T	.17				*	*	*	*	*	*	*	1.55			.01	.04		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
APRIL 1987

STATION	OB. TIME	MAX/MIN	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		
GLENN DALE BELL STN	16	MAX MIN	50 23	65 30	64 34	56 42	59 33	44 30	60 35	66 46	65 31	71 32	76 34	74 37	77 46	67 34	66 48	54 44	59 47	62 46	70 52	72 52	75 56	84 49	82 48	57 52	59 43	64 31	64 28	64 40	71 32	75 52	65.7 40.2		
LAUREL 3 W	MID	MAX OBS MIN OBS	50 24	54 35	50 35	55 38	53 31	45 30	59 40	65 43	62 48	72 47	74 53	67 48	69 45	67 41	56 41	57 42	61 45	67 49	72 54	70 54	77 59	83 52	58 50	60 51	55 42	62 43	65 46	61 41	74 44	74 47	63.1 43.9		
NATIONAL ARBORETUM D C	08	MAX OBS MIN	62 26	61 30	66 34	58 35	59 32	46 31	47 34	59 43	64 40	61 37	72 39	75 43	69 47	64 38	68 37	59 44	51 44	64 48	68 52	72 54	70 56	78 51	83 47	60 47	72 43	62 37	64 32	64 35	60 39	77 40	64.5 40.5		
UPPER MARLBORO 3 NNW	08	MAX MIN	62 26	50 33	67 38	54 39	57 35	43 34	47 36	59 46	65 38	61 39	72 39	76 41	68 43	63 36	66 40	58 47	53 48	64 52	67 55	71 56	69 58	76 51	81 49	57 49	59 46	48 39	62 33	63 44	60 36	77 46	62.5 42.4		
NORTHERN EASTERN SHORE	05																																		
CHESTERTOWN	23	MAX MIN	48 30	64 36	54 39	62 43	44 36	45 35	58 39	65 42	62 41	70 39	74 41	68 42	62 47	67 38	54 47	50 45	60 49	65 53	72 55	72 55	77 59	82 51	57 46	60 51	56 45	64 39	64 37	61 44	71 42	69 51	62.6 43.9		
MILLINGTON 1 SE	18	MAX MIN	48 29	61 31	59 39	60 47	48 36	46 33	58 40	65 38	61 40	70 34	73 38	69 40	65 49	65 34	64 45	51 45	60 47	66 53	72 56	72 56	76 58	80 50	57 46	61 51	60 45	63 36	62 34	59 44	70 39	71 39	63.1 42.4		
NORTHERN CENTRAL ABERDEEN PHILLIPS FLD	06	16	MAX OBS MIN OBS	48 27	61 35	61 39	58 46	53 37	45 32	57 39	64 45	63 42	71 39	72 41	72 42	64 47	63 44	63 46	54 44	58 48	66 53	73 56	67 57	75 60	80 51	79 49	60 52	58 45	67 38	63 40	63 44	69 39	69 50	63.9 44.3	
BALTIMORE WSO C1	MID	MAX MIN	53 32	64 42	52 40	60 44	45 37	49 37	63 44	68 50	64 48	76 53	78 54	68 54	65 50	66 50	57 52	52 47	60 50	70 56	75 60	73 50	80 62	84 55	57 47	63 45	55 47	66 35	63 48	62 49	79 44	72 56	64.6 49.2		
BENSON POLICE BARRACKS	17	MAX MIN	50 24	60 28	58 34	60 40	54 35	45 30	59 34	68 42	67 37	73 38	75 39	68 38	67 43	58 34	58 45	68 40	67 44	68 49	76 51	76 51	81 55	81 51	80 45	60 49	60 40	70 35	70 34	68 41	75 37	76 47	66.5 40.3		
BOYDS 2 NW	18	MAX MIN OBS	47 23	59 35	55 31	45 30	49 32	45 31	58 35	61 42	60 38	70 40	74 45	70 48	62 46	65 42	64 48	52 43	61 47	63 50	71 52	73 54	76 56	83 56	83 49	58 51	55 42	63 38	63 38	60 42	75 37	76 46	63.2 42.2		
CATOCTIN MOUNTAIN PARK	17	MAX OBS MIN	43 20	45 33	52 31	48 33	53 30	38 30	56 31	58 38	58 33	67 40	68 48	58 43	60 42	64 40	62 39	60 38	50 38	58 38	68 49	70 49	75 54	79 58	78 46	55 48	56 39	62 38	63 36	61 37	75 32	75 41	60.5 39.6		
CLARKSVILLE 3 NNE	17	MAX MIN	50 24	59 27	48 34	58 41	46 34	45 32	58 34	63 38	61 32	70 30	74 32	68 35	64 45	66 32	66 49	54 43	60 49	66 58	70 49	69 47	75 54	80 47	80 49	59 53	61 44	64 30	63 40	62 40	73 38	73 49	63.5 40.0		
CONOWINGO DAM	MID	MAX MIN	50 28	61 38	44 36	61 42	45 31	46 30	58 36	64 38	62 37	70 33	72 37	65 41	61 44	68 35	60 44	58 42	58 45	65 52	73 52	71 51	77 50	80 50	50 47	61 50	57 41	65 36	63 33	60 42	74 35	69 44	62.3 40.7		
DAMASCUS 2 SW	19	MAX MIN	47 22	57 36	43 31	56 38	38 32	43 32	56 40	63 42	60 37	69 41	74 49	66 46	62 46	65 40	58 46	49 41	61 47	64 51	70 52	72 53	76 55	83 56	69 48	57 51	56 41	64 37	63 38	57 41	74 34	72 47	61.5 42.3		
EMMITSBURG 2 SE	17	MAX OBS MIN	47 24	50 28	54 32	57 38	51 32	48 32	60 32	61 32	62 32	70 31	72 34	68 34	62 46	65 35	61 48	51 42	53 46	63 52	71 40	70 50	76 53	80 49	80 49	58 53	58 44	62 34	62 32	62 36	69 34	72 45	62.5 39.4		
FREDRICK POLICE BRKS	17	MAX OBS MIN OBS		55 25	47 36	53 32	49 33	47 33	60 45	64 45	64 41	71 46	73 44	67 41	63 48	66 42	67 51	54 44	57 47	64 53	73 52	73 54	77 57	83 56	82 49	60 53	60 41	65 36	70 36	65 41	75 36	80 49	65.0 43.4		
PARKTON 2 SW	23	MAX MIN																																	M M
ROCKVILLE 1 NE	17	MAX MIN	51 23	64 34	48 34	59 39	42 34	46 33	60 44	65 45	63 40	74 42	77 40	70 44	66 50	69 42	57 49	51 47	64 50	69 56	75 57	75 57	82 62	86 54	60 52	63 55	55 45	67 39	66 35	60 44	81 39	69 49	64.5 44.5		
TOWSON	18	MAX MIN																																	M M
UNIONVILLE	18	MAX MIN OBS	54 17	51 28	45 31	56 32	49 27	45 31	59 32	62 35	61 30	69 29	73 34	71 36	63 38	63 33	66 41	59 42	59 41	63 42	72 41	73 44	76 42	82 47	73 50	59 45	60 43	64 35	65 30	60 35	77 29	76 36	63.5 35.9		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
APRIL 1987

STATION	OB. TIME	MAX/MIN	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	17	MAX OBS MIN	51 64 23	55 33 31	49 31 31	56 38 32	55 32 31	43 38 31	56 38 42	60 42 37	61 43 47	67 43 47	73 47 43	72 45 39	60 45 47	66 41 44	67 49 49	60 52 55	58 61 54	62 71 54	71 52 55	71 51 57	75 54 51	82 61 51	81 45 48	59 50 52	58 40 43	65 38 35	64 37 33	62 38 42	70 36 38	75 44 49	63.5 41.8 63.7 41.4				
APPALACHIAN MOUNTAIN	07																																				
CUMBERLAND 2	18	MAX OBS MIN	47 31 34	48 34 34	40 34 34	41 34 33	41 33 35	48 42 36	55 42 36	61 36 34	63 37 40	73 40 41	70 38 39	61 43 43	64 38 39	62 44 49	59 44 52	50 46 50	56 46 44	72 48 48	73 65 67	79 72 75	83 53 53	87 53 55	83 44 44	59 37 36	65 36 37	68 36 37	69 33 34	63 34 38	55 79 38	77 38	62.4 40.7 53.6 37.6				
FROSTBURG 2	07	MAX MIN	34 19	39 22	46 28	34 25	37 28	35 28	39 35	45 37	52 35	54 34	65 34	64 41	53 42	55 41	55 38	46 38	44 38	48 44	65 47	67 51	72 51	75 53	78 50	57 48	52 37	57 37	60 37	63 35	47 35	71 37	53.6 37.6				
HAGERSTOWN	18	MAX MIN	49 23	48 28	50 34	51 32	53 34	45 32	48 32	48 39	63 37	62 39	63 43	74 41	73 41	60 48	64 44	65 46	59 42	50 46	58 46	65 52	73 48	75 53	79 55	83 56	78 51	60 53	62 44	65 37	65 41	58 40	80 35	74 44	63.4 41.6		
HANCOCK FRUIT LAB	16	MAX MIN	48 23	51 34	45 34	44 35	41 33	49 32	56 44	61 32	62 30	72 30	73 31	64 35	63 46	65 35	61 45	49 44	56 48	65 50	72 44	77 47	80 47	83 48	81 51	59 54	62 45	65 30	65 30	65 36	78 29	77 35	63.0 38.6				
ALLEGHENY PLATEAU	08																																				
MC HENRY 2 NW	08	MAX OBS MIN OBS	29 16	40 20	41 24	31 23	34 25	38 25	35 32	40 34	51 31	54 33	65 38	63 40	53 38	56 38	61 45	48 34	45 34	48 40	65 43	67 34	72 47	76 47	82 49	58 48	54 50	60 36	63 35	63 39	69 32	46 34	71 32	53.8 35.4			
OAKLAND 1 SE	17	MAX OBS MIN	38 19	44 28	45 24	33 26	35 27	35 30	39 34	53 35	53 24	64 25	64 26	58 30	66 40	64 44	64 45	45 39	47 42	64 45	66 46	73 38	77 41	79 43	77 57	60 51	53 37	58 29	65 30	63 33	50 30	71 56	56 37	56.5 35.2			
SAVAGE RIVER DAM	08	MAX OBS MIN	35 23	42 23	49 29	36 28	36 30	39 31	42 37	47 39	56 30	59 30	69 30	65 33	59 36	60 36	61 41	49 41	49 40	53 46	69 47	70 45	77 45	78 46	82 50	65 52	58 40	61 32	63 33	66 35	50 32	74 37	57.3 36.6				
DELAWARE NORTHERN	01																																				
MIDDLETOWN 3 E	17	MAX OBS MIN OBS	47 28	64 33	56 38	64 47	47 35	43 32	56 37	63 39	61 40	69 36	76 41	64 41	58 45	67 35	58 45	50 43	60 46	66 52	72 56	72 57	74 58	77 50	57 45	60 50	58 45	65 37	62 40	58 43	71 36	68 52	62.1 42.7				
NEWARK UNIVERSITY FARM	17	MAX MIN OBS	48 24	65 30	56 37	61 41	50 37	44 32	57 38	64 39	62 40	71 35	76 40	74 41	62 47	68 35	65 45	49 41	58 44	67 53	74 51	73 56	78 58	79 50	62 46	62 50	60 43	64 34	64 35	62 41	71 35	71 48	63 29	63.9 41.5			
WILMINGTON WSO AP	MID	MAX MIN	47 28	63 37	55 39	60 44	47 32	44 33	58 41	64 41	60 39	70 37	73 42	65 43	60 45	64 37	54 49	49 44	59 46	65 53	73 57	73 58	76 57	77 50	57 46	60 47	54 43	63 37	62 37	58 43	70 39	65 46	61 46	61.5 43.0			
WILMINGTON PORTER RESVR	MID	MAX MIN	45 29	60 36	56 38	60 43	51 34	44 33	57 39	60 45	60 40	70 43	72 48	66 46	61 45	68 39	54 47	53 44	58 45	65 53	73 58	73 58	75 59	77 51	60 46	55 44	62 40	62 41	57 42	69 41	69 48	61 44	61 48	61.6 44.1			
SOUTHERN DOVER	02																																				
GEORGETOWN 5 SW	08	MAX MIN OBS	65 29	47 31	63 31	56 44	60 38	46 30	48 35	58 39	65 46	59 34	68 43	73 41	65 46	59 33	64 42	59 46	64 46	70 52	54 64	62 54	71 54	55 41	68 67	46 41	59 41	68 39	46 41	59 37	60 41	70 44	61 44	61.2 41.6			
GREENWOOD 2 NE	18	MAX MIN																																			M M
LEWES	17	MAX MIN	48 29	60 35	60 35	58 44	47 37	46 30	55 39	61 44	60 43	69 40	73 48	70 45	65 48	59 37	59 43	50 45	63 47	63 50	56 50	56 50	60 52	63 47	51 45	55 45	54 43	54 43	54 44	54 44	69 42	71 56	58.8 43.3				
MILFORD 4 SE	17	MAX OBS MIN OBS	47 29	64 31	55 38	61 45	48 36	48 30	55 37	65 42	64 35	69 37	75 43	70 42	67 47	60 36	58 42	50 45	63 47	64 51	63 52	60 64	66 54	72 54	57 51	62 47	58 40	56 42	57 42	69 44	69 39	61 56	61.0 42.1				

SEE REFERENCE NOTES FOLLOWING STATION INDEX

EVAPORATION AND WIND

MARYLAND AND
DELAWARE
APRIL 1987

STATION	DAY OF MONTH																															TOTAL OR AVG	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
MARYLAND																																	
UPPER SOUTHERN 04																																	
BELTSVILLE	WIND	-	65	93	82	74	26	32	79	58	44	29	34	59	59	58	66	17	53	29	27	43	19	63	26	58	39	41	63	54	01		
	EVAP	-	11	13	10	19	1	3	8	19	12	18	19	8	11	21	1	4	6	5	9	*	19	24	3	-	-	19	25	14	32		
	MAX	60	59	59	51	60	60	47	58	72	64	75	73	65	62	73	55	51	76	69	73	72	78	87	61	60	51	73	72	64	74		
	MIN	33	34	39	37	37	38	38	44	45	44	46	49	47	45	47	46	46	50	50	58	60	58	53	53	48	42	44	46	42	43		
UPPER MARLBORO 3 NNW	WIND	-	14	28	24	29	1	0	7	8	6	2	13	9	23	9	17	73	28	20	14	17	2	6	0	34	11	24	5	9	43		
	EVAP	-	12	18	10	14	2	3	7	19	14	20	18	6	13	18	2	1	6	8	8	9	12	25	5	*	1	21	20	16	29		
	MAX	59	60	63	62	62	47	45	57	73	65	75	74	63	64	73	56	50	69	67	71	69	78	88	61	59	49	71	73	66	74		
	MIN	38	37	42	42	41	40	40	44	48	46	46	48	50	46	46	49	48	50	56	59	60	61	56	55	49	43	43	47	45	46		

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
APRIL 1987

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																																								
SOUTHERN EASTERN SHORE	01																																							
SALISBURY FAA AP																																								
CENTRAL EASTERN SHORE	02																																							
ROYAL OAK 2 SSW																																								
LOWER SOUTHERN LA PLATA 1 W	03																																							
UPPER SOUTHERN BALTIMORE WSO AP	04																																							
COLLEGE PARK																																								
NORTHERN CENTRAL ABERDEEN PHILLIPS FLD	06																																							
CATOCTIN MOUNTAIN PARK																																								
DAMASCUS 2 SW																																								
EMMITSBURG 2 SE																																								
ROCKVILLE 1 NE																																								
WOODSTOCK																																								
APPALACHIAN MOUNTAIN CUMBERLAND 2	07																																							
FROSTBURG 2																																								
HANCOCK FRUIT LAB																																								
ALLEGHENY PLATEAU MC HENRY 2 NW	08																																							
OAKLAND 1 SE																																								
SAVAGE RIVER DAM																																								

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.

SNOWFALL AND SNOW ON GROUND (INCHES)

MARYLAND AND
DELAWARE
APRIL 1987

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
DELAWARE NORTHERN 01 WILMINGTON WSO AP WILMINGTON PORTER RESVR					1.8	.6																									
SNOWFALL SN ON GND WTR EQUIV SNOWFALL SN ON GND						2																									
					T	5																									
					T	1																									

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
APRIL 1987

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	001506		HARFORD	39 28	76 10W	57	16	16		C H	ROSS AVIATION INC	
ANNAPOLIS POLICE BRKS	019304		ANNE ARUNDEL	38 59	76 30W	25	17	17		H H	ANNAPOLIS POLICE BRKS	
ASSATEAGUE ISLAND NATL	033501	SE	WORCESTER	38 14	75 8W	7	07	07		H H	NATIONAL PARK SERVICE	
BALTIMORE WSO AP	046504		ANNE ARUNDEL	39 11	76 40W	196	MID	MID		C H J	NATL WEATHER SERVICE	
BALTIMORE WSO CI #	047006	RR	BALTO CITY	39 17	76 37W	91	MID	MID		C C	OCMI COMMANDING OFFICER	
BELTSVILLE	070004		PRN GEORGES	39 2	76 53W	120	08	08		C H	U S DEPT OF AGRICULTURE	
BENSON POLICE BARRACKS	073206		HARFORD	39 30	76 23W	365	17	17		O B	MARYLAND STATE POLICE	
BOYDS 2 NW	103206		MONTGOMERY	39 13	77 20W	580	18	18			HUNTER F STALEY	
BRIGHTON DAM	112506		MONTGOMERY	39 12	77 1W	330		MID			WASH SUB SANY COMM	
CAMBRIDGE WTR TRMT PL	138502		DORCHESTER	38 34	76 4W	5	16	16		H	WASTEWATER TRMT PLANT	
CATOCTIN MOUNTAIN PARK	153006		FREDERICK	39 39	77 29W	16.10	17	17		C H H	CATOCTIN MOUNTAIN PARK	
CENTREVILLE	1622705		QUEEN ANNES	39 3	76 4W	60	17	17		C H H	INACTIVE 02/01/86	
CHESTERTOWN	175005		KENT	39 13	76 4W	40	23	23		H	THOMAS W ELIASON JR	
CLARKSVILLE 3 NNE	186206		HOWARD	39 15	76 56W	365	17	17		H	UNIVERSITY OF MARYLAND	
COLLEGE PARK	1999304		PRN GEORGES	38 59	76 57W	90	09	09		C H	UNIVERSITY OF MARYLAND	
CONOWINGO DAM	206006		HARFORD	39 39	76 10W	4	MID	MID		H	SUSQUEHANNA ELECTRIC CO	
CRISFIELD SOMERS COVE	221501		SOMERSET	37 59	75 52W	8	17	17			SOMERS COVE MARINA	
CUMBERLAND 2	228207		ALLEGANY	39 38	78 45W	730	18	07		H	TIMOTHY B THOMAS	
DALECARLIA RESVR D C	2322504			38 56	77 7W	146	17	17			U S CORPS OF ENGINEERS	
DAMASCUS 2 SW	2333506		MONTGOMERY	39 16	77 14W	720	19	19		H	RICHARD W SCHWERDT	
DENTON 2 E	2523302		CAROLINE	38 53	75 48W	50	17	17		H	ARTHUR REINHOLD	
EDGE MONT	277007		WASHINGTON	39 40	77 33W	905		07			JOHN W HARNE	
EMMITSBURG 2 SE	290606		FREDERICK	39 41	77 18W	416	17	17		H	MRS LUCILLE K BEALE	
FREDRICK POLICE BRKS	334806		FREDERICK	39 25	77 26W	380	17	17		H	MARYLAND STATE POLICE	
FREDRICK 3 E	335306		FREDERICK	39 24	77 22W	385		07			MISS I MARY STALEY	
FROSTBURG 2	341507		ALLEGANY	39 40	78 56W	2170		07		H	LEE K CLOSE	
GLENN DALE BELL STN	367504		PRN GEORGES	38 58	76 48W	150	16	16		H	USDA PLT INTRODUCT STN	
HAGERSTOWN	397507		WASHINGTON	39 39	77 44W	660	18	18			HAGERSTOWN RESERVOIR	
HANCOCK FRUIT LAB	403007		WASHINGTON	39 42	78 11W	428	16	16		C H	SHARPSBURG RESEARCH C	
LA PLATA 1 W	508003		CHARLES	38 32	77 0W	140	18	18		C H	C RUSSELL LEVERING	
LAUREL 3 W	5111104		PRN GEORGES	39 6	76 54W	400	MID	MID			WASH SUB SANY COMM	
MC HENRY 2 NW	583208		GARRETT	39 35	79 22W	2680	08	08		C H	JOSEPH F JOHENNING	
MECHANICSVILLE 1 E	5866503		ST MARYS	38 27	76 41W	100	19	19			SANDRA J HASTING	
MERRILL	589408		GARRETT	39 36	79 5W	1790		09			DELDWOOD E MERRILL	
MILLINGTON 1 SE	598505		KENT	39 16	75 52W	30	18	18		H	HOWARD L HARVEY	
NATIONAL ARBORETUM D C	635004			38 54	76 59W	50	08	08		H	U S NATL ARBORETUM	
OAKLAND 1 SE	6622008		GARRETT	39 24	79 24W	2420	17	17		H	BEA J CROSCO	
OWINGS FERRY LANDING	677003		CALVERT	38 41	76 40W	160	17	17		H	JAMES C RASMUSSEN	
PARKTON 2 SW	684406		BALTIMORE	39 38	76 42W	600	23	23		C H	JOHN R FOX	
PATUXENT RIVER	691503		ST MARYS	38 20	76 25W	38	MID	MID		C	NAVAL WEATHER SERVICE	
POTOMAC FILTER PLANT	7272006		MONTGOMERY	39 2	77 15W	270		08			POTOMAC WATER FILT PLT	
PRINCESS ANNE	733001		SOMERSET	38 13	75 41W	20	17	17		H	UNIVERSITY MARYLAND EAST	
ROCKVILLE 1 NE	770506		MONTGOMERY	39 6	77 6W	440	17	17		H	WASH GAS & LIGHT CO	
ROYAL OAK 2 SSW	780602		TALBOT	38 43	76 11W	10	18	18		H	JOHN L SWAINE JR	
SALISBURY	800001		WICOMICO	38 22	75 35W	10	17	17			CITY OF SALISBURY	
SALISBURY FAA AP #	800501		WICOMICO	38 20	75 31W	48	MID	MID		H	FAA	
SAVAGE RIVER DAM	806508		GARRETT	39 31	79 8W	1495	08	08		O B C	U S CORPS OF ENGINEERS	
SNOW HILL 4 N	838001		WORCESTER	38 14	75 23W	28	18	18		H	CURTIS E SHOCKLEY	
TOWSON	887706		BALTIMORE	39 23	76 34W	390	18	18			BENOIX FRIEZ	
UNIONVILLE	903006		FREDERICK	39 27	77 11W	430	18	18		C H	CAROLINE R VON EIFF	
UPPER MARLBORO 3 NNW	907004		PRN GEORGES	38 52	76 47W	98	08	08		O B	TOBACCO EXP FARM	
VIENNA	914002		DORCHESTER	38 29	75 50W	12	18	18		H	DELMARVA POWER & LIGHT	
WESTMINSTER POLICE BRK	944006		CARROLL	39 33	76 58W	765	17	17			MARYLAND STATE POLICE	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
APRIL 1987

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	35700	02	SUSSEX	38 38	75 27W	45	08	08	OBC	H	UNIV OF DEL SUBSTATION
GREENWOOD 2 NE	35950	02	SUSSEX	38 50	75 35W	45	18	18		H	DANIEL M SWARTZENTRUBER
LEWES	53200	02	SUSSEX	38 46	75 8W	15	17	17		H	BOARD OF PUBLIC WORKS
MIDDLETOWN 3 E	58520	01	NEW CASTLE	39 27	75 40W	55	17	17		H	DAVID S NEYHARD
MILFORD 4 SE	59150	02	SUSSEX	38 54	75 28W	30	17	17		H	DAVID S SCHLOTT
NEWARK UNIVERSITY FARM	64100	01	NEW CASTLE	39 40	75 44W	90	17	17	17C	H	UNIV OF DELAWARE
WILMINGTON WSO AP	R 95950	01	NEW CASTLE	39 40	75 36W	79	MID	MID		C H J	NATL WEATHER SERVICE
WILMGTN PORTER RESVR	96050	01	NEW CASTLE	39 46	75 32W	274	MID	MID		H	WATER DEPARTMENT

SEE REFERENCE NOTES FOLLOWING STATION INDEX

REFERENCE NOTES

MARYLAND AND
DELAWARE
APRIL 1987

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 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.

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.
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

(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), 11-7 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)

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".

The graphic displays appearing in this publication were first produced for the January 1987 data month. The types of graphs and the information they portray may vary from month to month and from state to state in order to highlight climatic features of state, regional, and seasonal interest. Some graphs present information for "clusters". A cluster is a group of up to four (4) adjacent divisions that comprise an area of similar climate.

Information concerning the history of changes in locations, exposure, etc. of substations is kept on file at the National Climatic Data Center. Historical information for regular National Weather Service Offices may be obtained from the "Local Climatological Data" annual publication. The contents of this publication may be reprinted or otherwise used freely, with proper credit to the National Climatic Data Center, Asheville, North Carolina.

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ASHEVILLE, NC 28801-2696

USCOMM-NOAA-ASHEVILLE, N.C. APRIL 1987-0585

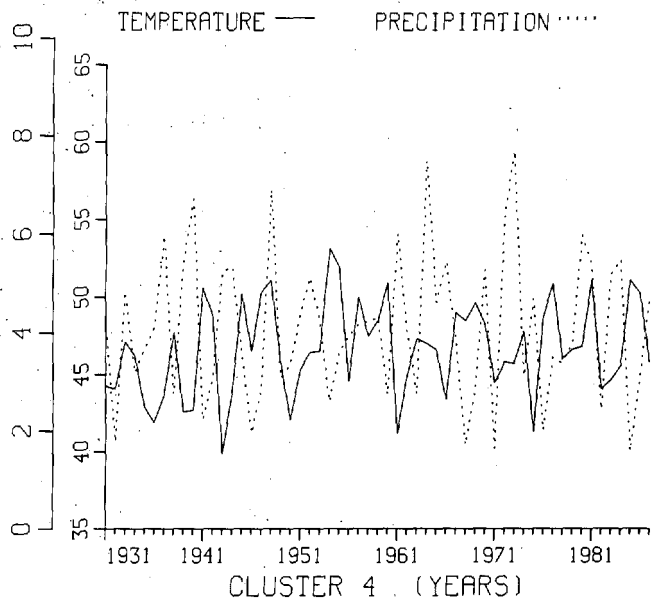
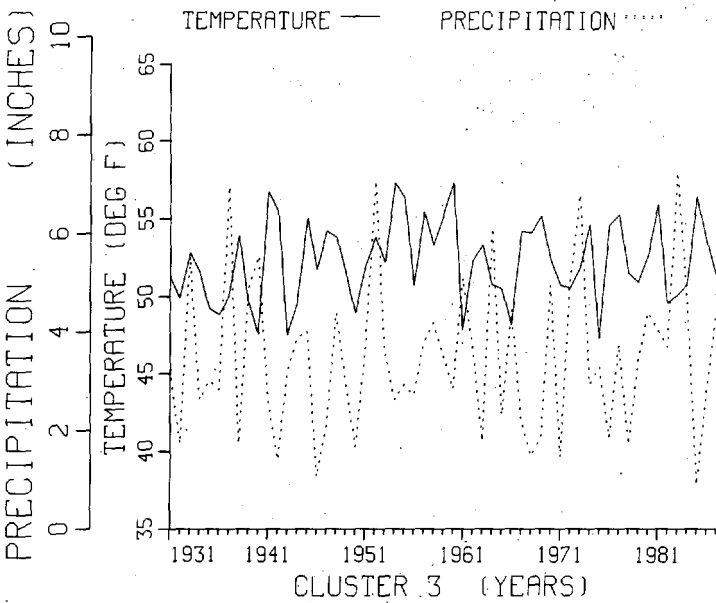
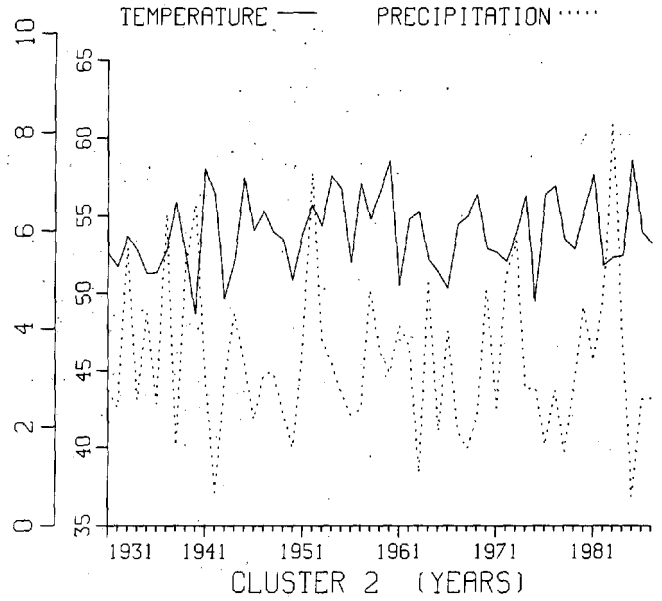
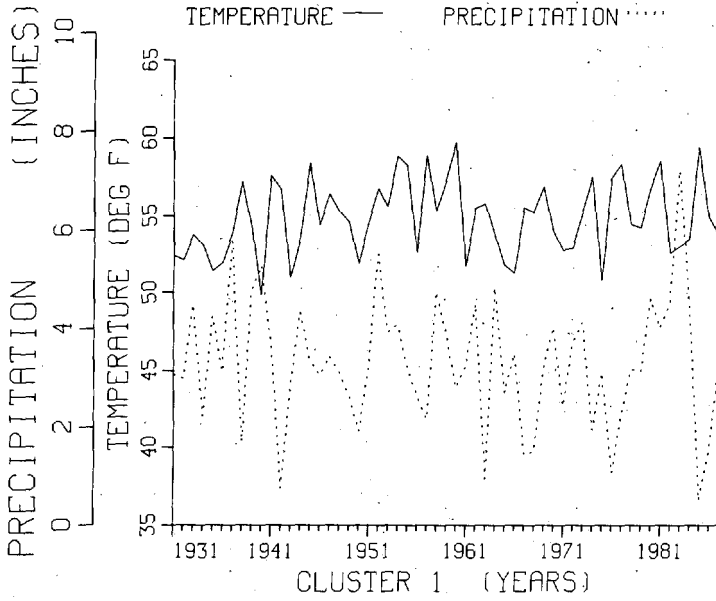
MEAN MONTHLY TEMPERATURES AND PRECIPITATION
 THE MONTH OF: APRIL
 THE PERIOD OF: 1931 - 1987
 MARYLAND

CLUSTER 1 -DIVISION(S):
 SOUTHERN EASTERN SHORE 01
 CENTRAL EASTERN SHORE 02
 LOWER SOUTHERN 03

CLUSTER 2 -DIVISION(S):
 UPPER SOUTHERN 04
 NORTHERN EASTERN SHORE 05

CLUSTER 3 -DIVISION(S):
 NORTHERN CENTRAL 06
 APPALACHIAN MOUNTAIN 07

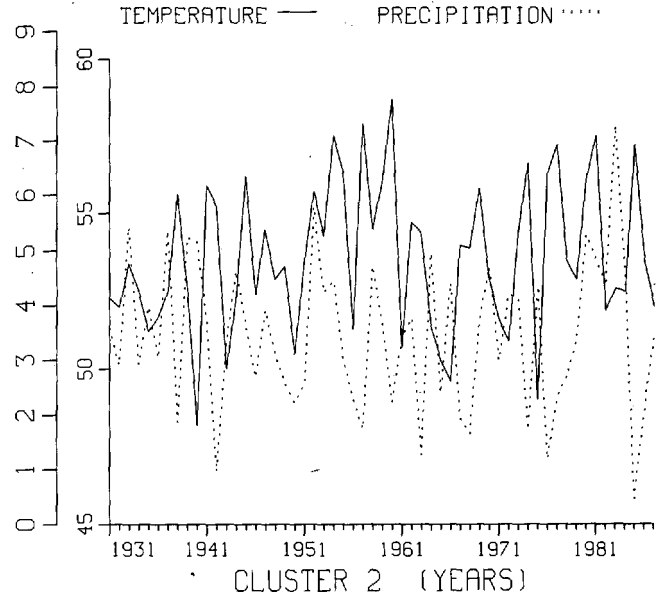
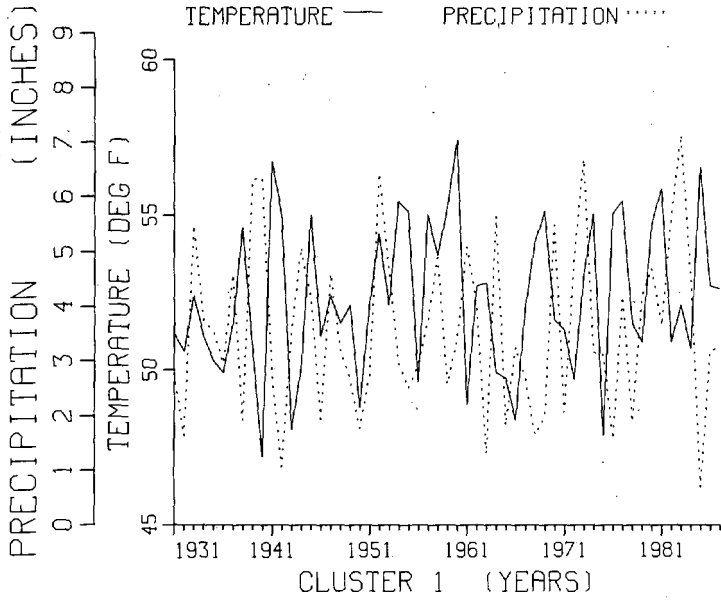
CLUSTER 4 -DIVISION(S):
 ALLEGHENY PLATEAU 08



MEAN MONTHLY TEMPERATURES AND PRECIPITATION
THE MONTH OF: APRIL
THE PERIOD OF: 1931 - 1987
DELAWARE

CLUSTER 1 -DIVISION(S):
NORTHERN 01

CLUSTER 2 -DIVISION(S):
SOUTHERN 02



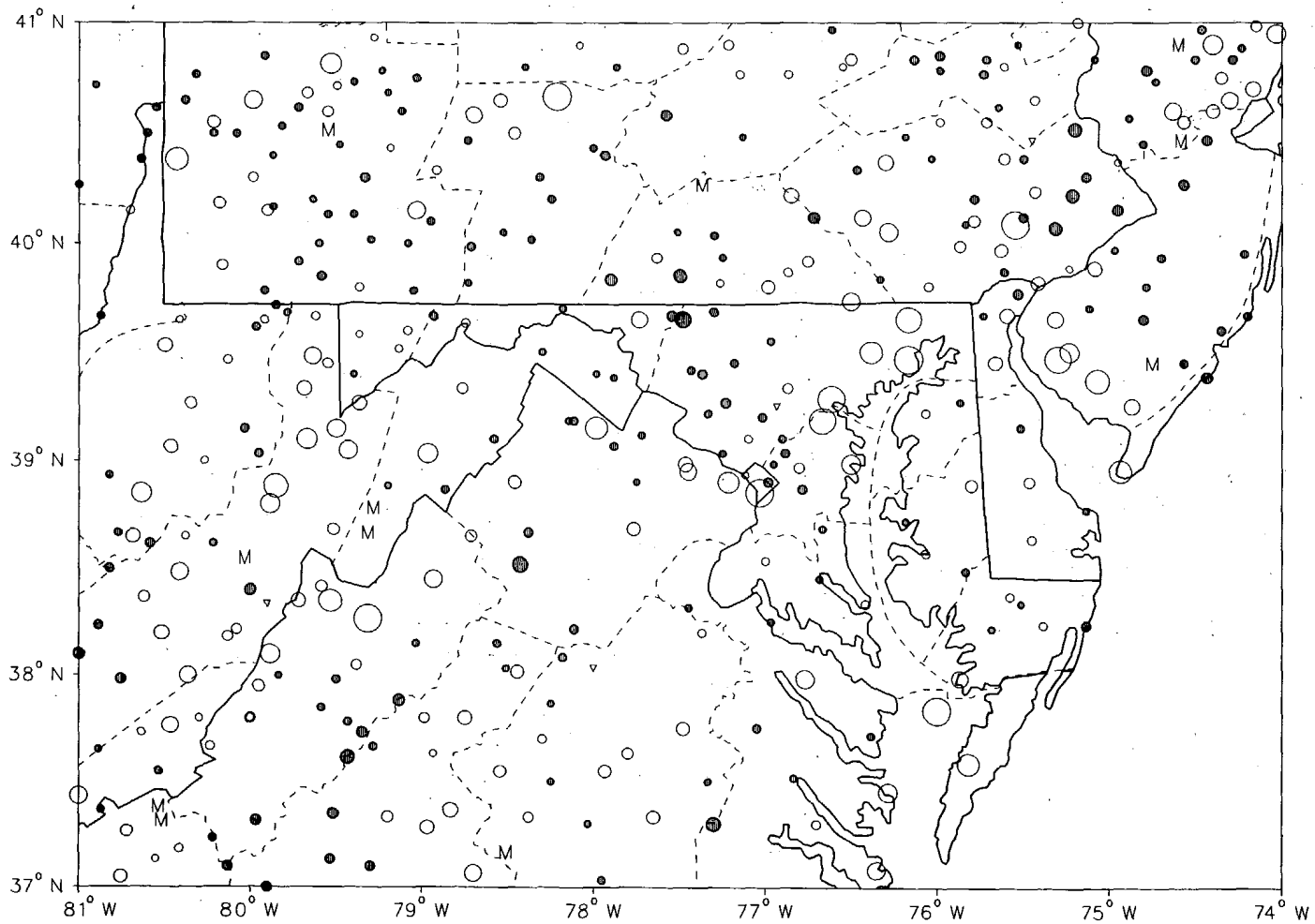
MONTHLY PRECIPITATION DEPARTURE FROM
THE DIVISIONAL AVERAGE FOR
APRIL 1987
MARYLAND & DELAWARE

M DENOTES INCOMPLETE DATA FOR THE MONTH

▽ ZERO DEPARTURE

○ ○ ○ ○ 5,10,20,... 50% OR MORE BELOW AVERAGE

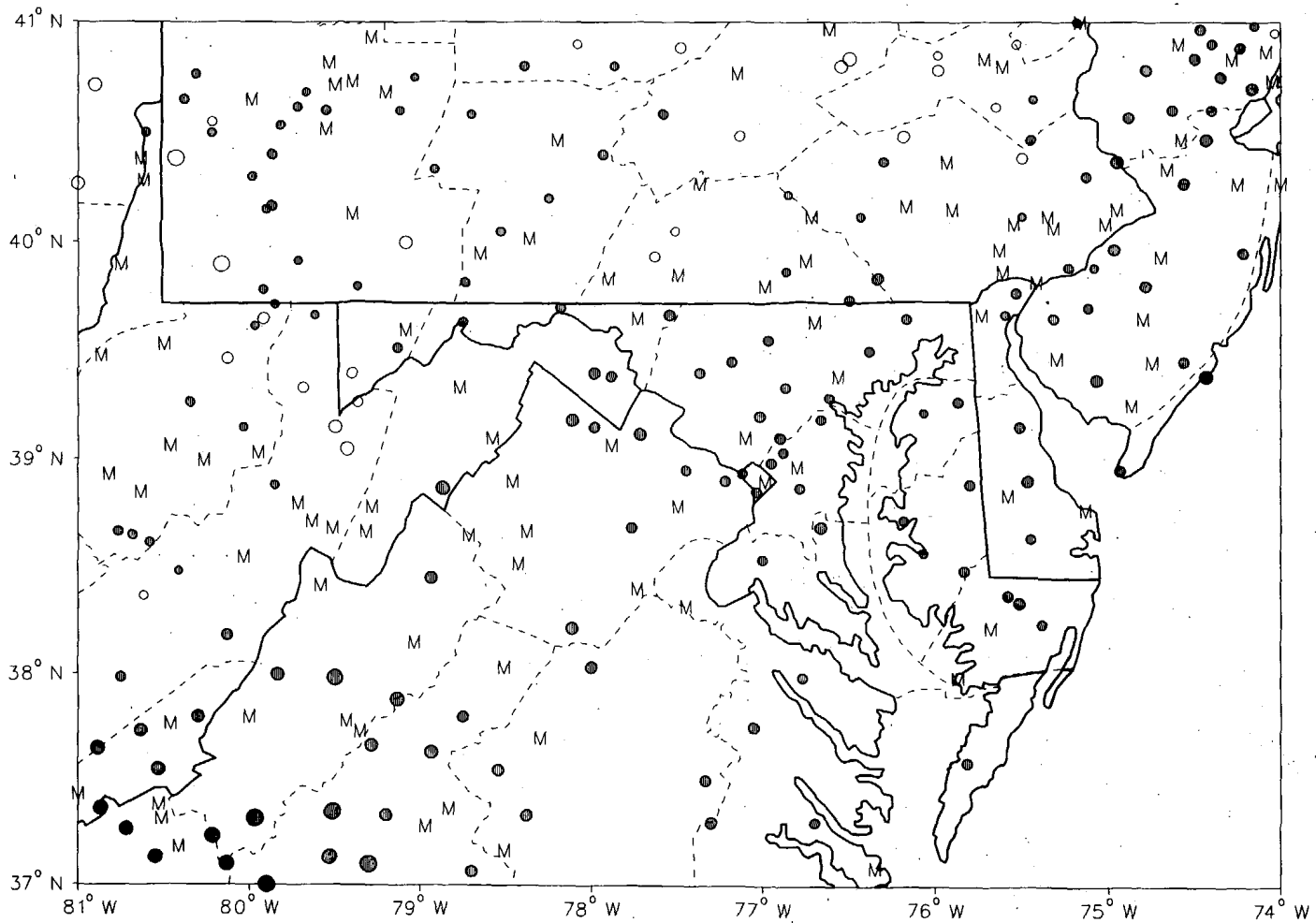
● ● ● ● 10,20,40,...100% OR MORE ABOVE AVERAGE



CIRCLE DIAMETER IS PROPORTIONAL TO DEPARTURE ON A CONTINUOUS SCALE

CUMULATIVE 6 MONTHS PRECIPITATION DEPARTURE FROM
 INDIVIDUAL STATION NORMALS (1951-1980)
 FOR PERIOD ENDING APRIL 1987
 MARYLAND

- M INCOMPLETE DATA FOR THE PERIOD
- ∇ EXACTLY NORMAL
- ○ ○ ○ 5,10,20,... 50% OR MORE BELOW NORMAL
- ● ● ● 10,20,40,...100% OR MORE ABOVE NORMAL

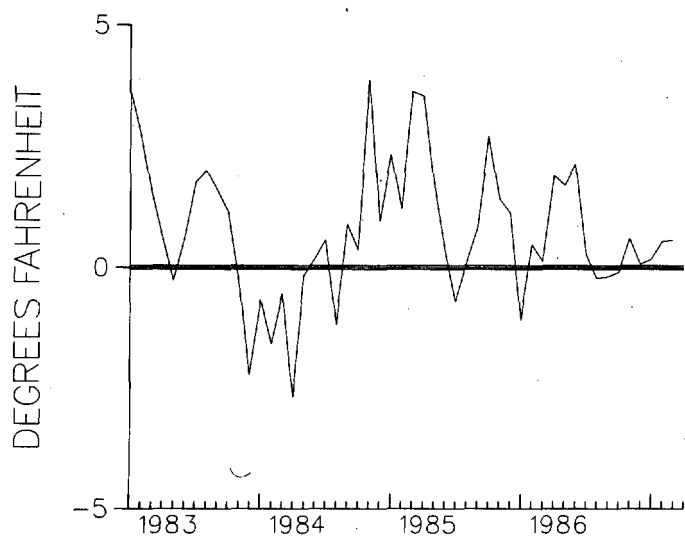


CIRCLE DIAMETER IS PROPORTIONAL TO DEPARTURE ON A CONTINUOUS SCALE

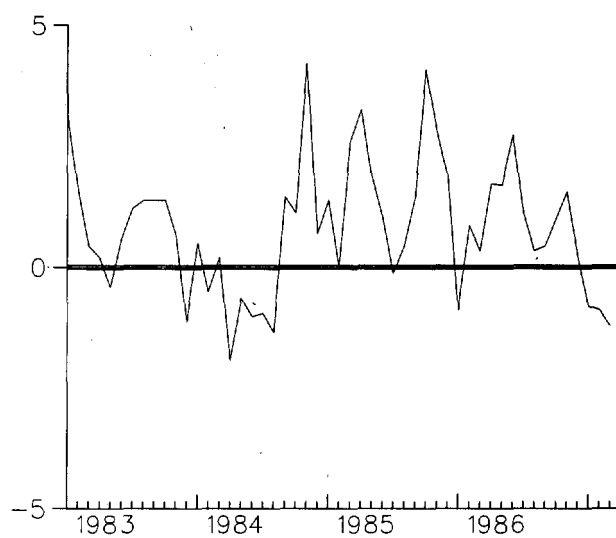
TEMPERATURE DEPARTURES FROM NORMAL (1951-1980)
THREE MONTH RUNNING MEAN
FOR THE 52 MONTHS ENDING WITH APRIL 1987 DATA
DELAWARE

CLUSTER 1 -DIVISION(S):
NORTHERN 01

CLUSTER 2 -DIVISION(S):
SOUTHERN 02

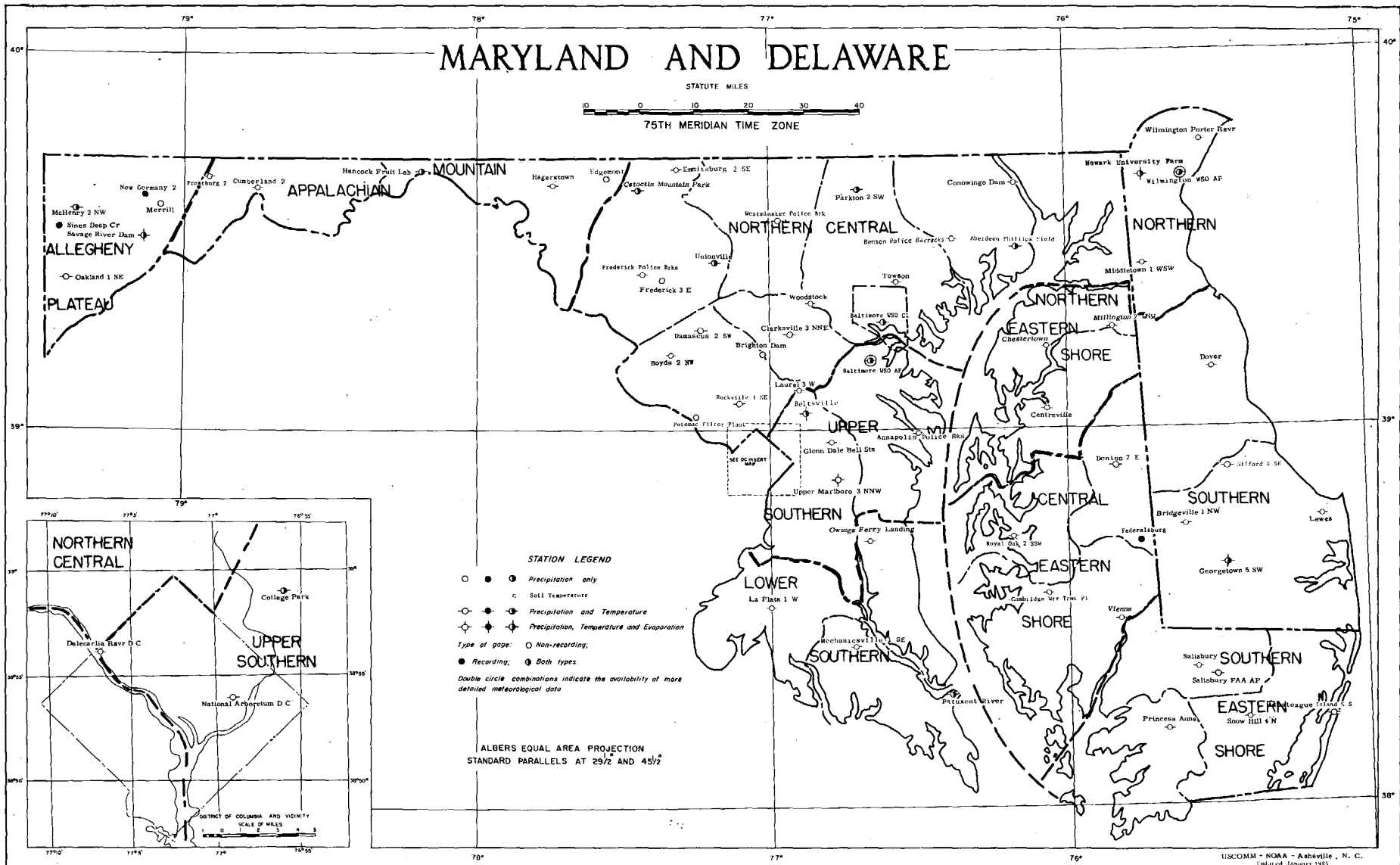


CLUSTER 1



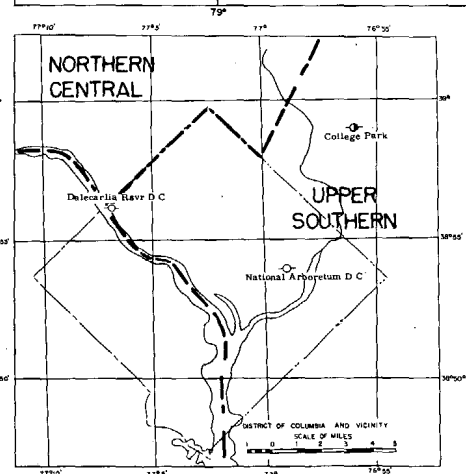
CLUSTER 2

MARYLAND AND DELAWARE



- STATION LEGEND**
- ● ● Precipitation only
 - c Soil Temperature
 - ● ● Precipitation and Temperature
 - ◆ ◆ ◆ Precipitation, Temperature and Evaporation
 - Type of page: ○ Non-recording; ● Recording; ● Both types.
- Double circle combinations indicate the availability of more detailed meteorological data

ALBERS EQUAL AREA PROJECTION
STANDARD PARALLELS AT 29 1/2 AND 45 1/2



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ARIZONA

DECEMBER
WITH ANNUAL SUPPLEMENT

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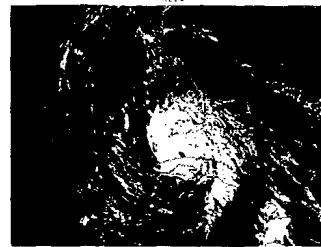
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LOCAL
CLIMATOLOGICAL DATA
Monthly Summary

STATION	ELEVATION	MONTHS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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<tr><td>260</td><td>275</td><td>245</td></tr> <tr><td>265</td><td>280</td><td>250</td></tr> <tr><td>270</td><td>285</td><td>255</td></tr> <tr><td>275</td><td>290</td><td>260</td></tr> <tr><td>280</td><td>295</td><td>265</td></tr> <tr><td>285</td><td>300</td><td>270</td></tr> <tr><td>290</td><td>305</td><td>275</td></tr> <tr><td>295</td><td>310</td><td>280</td></tr> <tr><td>300</td><td>315</td><td>285</td></tr> <tr><td>305</td><td>320</td><td>290</td></tr> <tr><td>310</td><td>325</td><td>295</td></tr> <tr><td>315</td><td>330</td><td>300</td></tr> <tr><td>320</td><td>335</td><td>305</td></tr> <tr><td>325</td><td>340</td><td>310</td></tr> <tr><td>330</td><td>345</td><td>315</td></tr> <tr><td>335</td><td>350</td><td>320</td></tr> <tr><td>340</td><td>355</td><td>325</td></tr> <tr><td>345</td><td>360</td><td>330</td></tr> <tr><td>350</td><td>365</td><td>335</td></tr> <tr><td>355</td><td>370</td><td>340</td></tr> <tr><td>360</td><td>375</td><td>345</td></tr> 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<tr><td>470</td><td>485</td><td>455</td></tr> <tr><td>475</td><td>490</td><td>460</td></tr> <tr><td>480</td><td>495</td><td>465</td></tr> <tr><td>485</td><td>500</td><td>470</td></tr> <tr><td>490</td><td>505</td><td>475</td></tr> <tr><td>495</td><td>510</td><td>480</td></tr> <tr><td>500</td><td>515</td><td>485</td></tr> <tr><td>505</td><td>520</td><td>490</td></tr> <tr><td>510</td><td>525</td><td>495</td></tr> <tr><td>515</td><td>530</td><td>500</td></tr> <tr><td>520</td><td>535</td><td>505</td></tr> <tr><td>525</td><td>540</td><td>510</td></tr> <tr><td>530</td><td>545</td><td>515</td></tr> <tr><td>535</td><td>550</td><td>520</td></tr> <tr><td>540</td><td>555</td><td>525</td></tr> <tr><td>545</td><td>560</td><td>530</td></tr> <tr><td>550</td><td>565</td><td>535</td></tr> <tr><td>555</td><td>570</td><td>540</td></tr> <tr><td>560</td><td>575</td><td>545</td></tr> <tr><td>565</td><td>580</td><td>550</td></tr> <tr><td>570</td><td>585</td><td>555</td></tr> 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DEPARTMENT OF COMMERCE
UNITED STATES OF AMERICA

STORM DATA

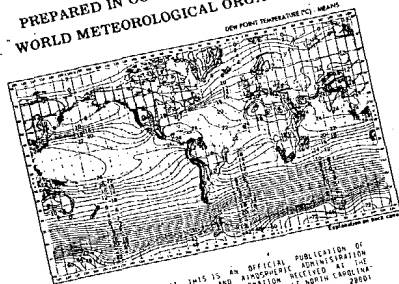


"I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION AND IS COMPILED FROM INFORMATION RECEIVED AT THE NATIONAL CLIMATIC DATA CENTER, ASHEVILLE, N.C. 28801"

D. Thomas
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

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MONTHLY CLIMATIC
DATA FOR THE WORLD
PREPARED IN COOPERATION WITH THE
WORLD METEOROLOGICAL ORGANIZATION



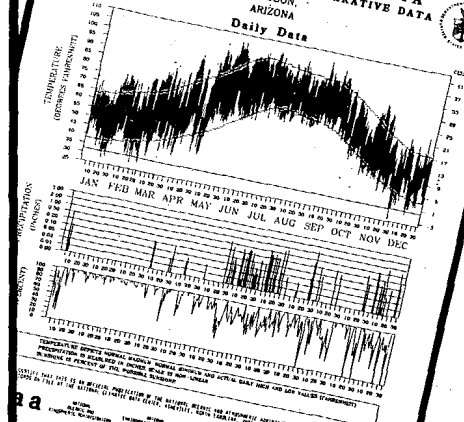
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ISSN 0145-0367

LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA
TUCSON
ARIZONA
Daily Data



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D. Thomas
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NATIONAL CLIMATIC DATA CENTER

National Oceanic and Atmospheric Administration
NATIONAL CLIMATIC DATA CENTER

World's Largest Weather Records Archive

WHY DO YOU NEED WEATHER DATA?



- *Litigation*
- *Insurance Claims*
- *Environmental Studies*
- *Engineering Projects*
- *University Research*
- *Personal Curiosity*



WHAT TYPE OF INFORMATION DO YOU NEED?



- *Station Records*
- *Monthly/Annual Summaries*
- *Long Term Climatic Studies*
- *Surface or Upper Air Charts*



WHICH OUTPUT MEDIA IS BEST FOR YOU?



- *Publications*
- *Paper Copies*
- *Charts*
- *Microfiche/Microfilm*
- *Floppy Disk*
- *Computer Tape*



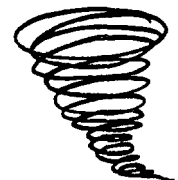
Call or write NCDC and explain your weather related problem.
Our meteorologists will provide the best possible solution.



NATIONAL CLIMATIC DATA CENTER

Federal Building, Asheville, N. C. 28801-2696

Phone (704) 259-0682 or (704)-CLIMATE



VALIDATED BY:

Charlie Aiken
Emily Atkins
Ted Burlew
Betty Edstrom
Bruce Emory
Joyce Morgan
Betty Shuford

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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