



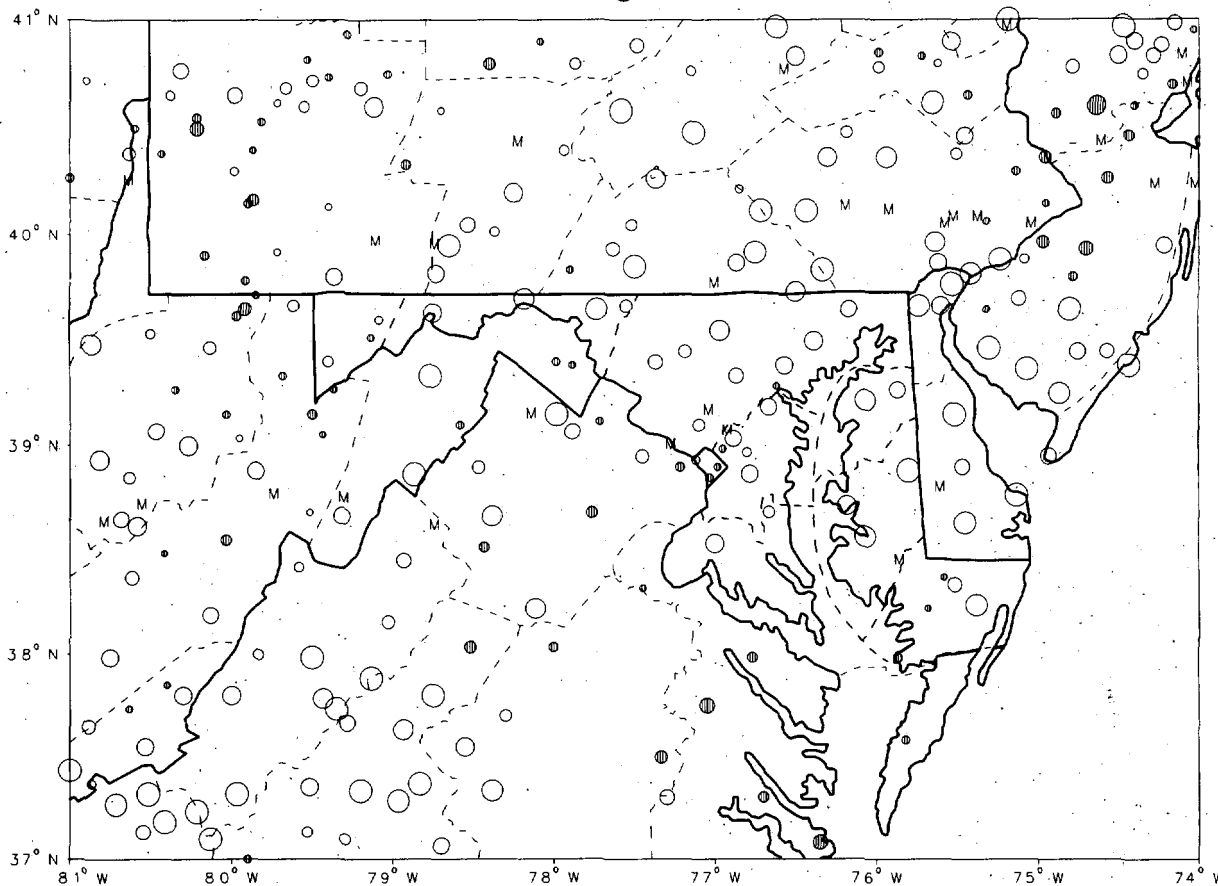
CLIMATOLOGICAL DATA MARYLAND AND DELAWARE

JUNE 1987

VOLUME 91 NUMBER 6

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. Nadeau

DIRECTOR, NATIONAL CLIMATIC DATA CENTER

noaa

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
JUNE 1987

MARYLAND
HIGHEST TEMPERATURE 100
LOWEST TEMPERATURE 37
GREATEST TOTAL PRECIPITATION 6.38
LEAST TOTAL PRECIPITATION 1.38
GREATEST 1 DAY PRECIPITATION 2.95

DELAWARE
HIGHEST TEMPERATURE 97
LOWEST TEMPERATURE 43
GREATEST TOTAL PRECIPITATION 2.74
LEAST TOTAL PRECIPITATION 1.43
GREATEST 1 DAY PRECIPITATION 1.73

JUNE 21
JUNE 11+

JUNE 30

JUNE 30
JUNE 11

JUNE 5

COLLEGE PARK
2 STATIONS
DAMASCUS 2 SW
DENTON 2 E
BOYDS 2 NW

DOVER
GEORGETOWN 5 SW
MILFORD 4 SE
DOVER
MILFORD 4 SE

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
JUN 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	.10 OR MORE	.50 OR MORE	1.00 OR MORE	
MARYLAND																						
SOUTHERN EASTERN SHORE 01																						
ASSATEAGUE ISLAND NATL SE	82.5	63.7	73.1		94.2	56.1	0	250	5	0	0	0	2.10		1.31	13	.0	.0	.0	4	1	1
CRISFIELD SOMERS COVE	83.1	66.6	74.9	1.1	98.2	32.4	0	303	0	0	0	0	4.21	1.05	1.45	24	.0	.0	.0	6	1	1
PRINCESS ANNE	86.3	62.2	74.3		99.3	23.4	0	287	0	0	0	0	3.48	.07	1.29	13	.0	.0	.0	2	2	2
SALISBURY	85.6	65.4	75.5		99.6	1.1	0	320	0	0	0	0	3.64	.02	2.01	14	.0	.0	.0	2	2	2
SALISBURY FAA AP	84.7	62.8	73.8		99.6	1.1	0	270	0	0	0	0	3.73	.82	.83	13	.0	.0	.0	2	2	2
SNOW HILL 4 N	87.4	62.7	75.1		99.1	1.5	2	311	1	0	0	0	2.92	-1.78	.86	13	.0	.0	.0	4	2	0
-- DIVISIONAL DATA -->																						
CENTRAL EASTERN SHORE 02																						
CAMBRIDGE WTR TRMT PL	88.0	65.0	76.5	4.0	94.3	50.1	0	350	11	0	0	0	1.99	-1.58	.92	14	.0	.0	.0	5	1	0
DENTON 2 E	88.7	64.1	76.4	3.8	98.3	52.1	0	349	15	0	0	0	1.38	-2.28	.65	5	.0	.0	.0	1	1	0
ROYAL OAK 2 SSW	84.6	66.0	75.3	1.8	92.3	50.1	1	317	3	0	0	0	2.14	-1.29	.55	4	.0	.0	.0	8	1	0
VIENNA	M	M	M														M	M	M			
-- DIVISIONAL DATA -->																						
LOWER SOUTHERN 03																						
LA PLATA 1 W	83.7	63.7	73.7	2.1	90.3	51.1	1	268	3	0	0	0	2.40	-1.38	.83	4	.0	.0	.0	5	2	0
MECHANICSVILLE 1 E	84.6	63.0	73.8		92.3	47.1	2	274	3	0	0	0	2.36	.77	.77	27	.0	.0	.0	3	3	0
OWINGS FERRY LANDING	85.9	63.5	74.7	2.5	92.3	49.1	1	299	4	0	0	0	3.12	-.59	1.17	27	.0	.0	.0	7	2	1
PATUXENT RIVER	84.3	66.4	75.4		93.1	57.1	0	314	5	0	0	0	3.82	1.05	1.05	26	.0	.0	.0	7	3	1
-- DIVISIONAL DATA -->																						
UPPER SOUTHERN 04																						
ANNAPOLIS POLICE BRKS	87.4	60.9	74.2	2.3	96.1	50.1	1	283	9	0	0	0	3.90	1.64	1.64	4	.0	.0	.0	7	2	1
BALTIMORE WSO AP	85.3	63.0	74.5		95.1	50.1	1	292	7	0	0	0	2.63	-1.13	1.10	4	.0	.0	.0	6	2	0
BELTSVILLE	85.8	62.0	73.9	3.6	95.1	47.1	4	278	9	0	0	0	2.69	-1.20	.78	5	.0	.0	.0	8	2	0
COLLEGE PARK	88.6	65.0	76.8	3.9	100.2	50.1	0	360	16	0	0	0	4.22	-.37	1.27	5	.0	.0	.0	8	2	0
DALECARLIA RESVR D C	88.2	64.2	76.2	3.4	95.1	50.1	0	342	11	0	0	0	3.46	-.22	1.31	4	.0	.0	.0	6	2	2
GLENN DALE BELL STN	85.8	60.1	73.0	1.8	95.1	44.1	6	252	6	0	0	0	3.58	-.29	1.46	27	.0	.0	.0	5	3	2
LAUREL 3 W	M	M	M														M	M	M			
NATIONAL ARBORETUM D C	86.8	61.3	74.1	.7	95.2	47.1	2	280	8	0	0	0	4.30	.35	1.32	5	.0	.0	.0	7	3	2
UPPER MARLBORO 3 NNW	85.2	63.1	74.2		93.1	48.1	3	286	6	0	0	0	2.61	-1.23	1.38	5	.0	.0	.0	5	2	1
-- DIVISIONAL DATA -->																						
NORTHERN EASTERN SHORE 05																						
CHESTERTOWN	85.8	65.2	75.5	3.2	94.2	51.1	0	321	6	0	0	0	2.41	-1.83	1.13	4	.0	.0	.0	7	1	1
MILLINGTON 1 SE	85.4	62.8	74.1	3.0	93.1	46.1	3	281	4	0	0	0	2.57	-1.10			.0	.0	.0	4	2	0
-- DIVISIONAL DATA -->																						
NORTHERN CENTRAL 06																						
ABERDEEN PHILLIPS FLD	85.3	64.4	74.9		92.1	47.1	2	306	6	0	0	0	2.53		1.02	5	.0	.0	.0	6	2	1
BALTIMORE WSO CI	88.7	70.7	79.7	4.4	99.1	59.1	0	449	16	0	0	0	3.82	.11	1.23	4	M	M	M	7	4	1
BENSON POLICE BARRACKS	87.2	61.2	74.2	3.6	96.1	49.1	1	284	10	0	0	0	2.71	-1.59	1.30	4	.0	.0	.0	6	1	1
BOYDS 2 NW	84.4	62.4	73.4		92.1	50.1	0	259	4	0	0	0	6.35		2.95	30	.0	.0	.0	7	3	2
CATOCTIN MOUNTAIN PARK	80.1	61.6	70.9		88.1	46.1	10	193	0	0	0	0	3.39		.94	13	.0	.0	.0	7	3	0
CLARKSVILLE 3 NNE	86.8	59.7	73.3		95.1	44.1	4	260	12	0	0	0	2.17		1.30	4	.0	.0	.0	5	1	1
CONOWINGO DAM	84.0	60.6	72.3	1.7	96.1	47.1	2	229	4	0	0	0	3.01	-1.28	.81	30	.0	.0	.0	5	3	0
DAMASCUS 2 SW	83.2	62.5	72.9		92.2	49.1	1	247	3	0	0	0	3.38		1.78	3	.0	.0	.0	8	4	0
EMMITSBURG 2 SE	83.8	60.3	72.1		91.1	44.1	4	222	3	0	0	0	2.35		.70	4	.0	.0	.0	8	1	0

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
JUNE 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	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	TOTAL	MAX. DEPTH ON GROUND	DATE	10 OR MORE	50 OR MORE	1.00 OR MORE
FREDRICK POLICE BRKS	87.5	64.9	76.2		95	16+	51	11	0	34	7	1	0	0	3.03		1.43	4	0	0		7	1	1				
ROCKVILLE 1 NE	87.2	66.2	76.7	5	96	30	52	11	0	34	7	1	0	0	3.29	-1.70	1.60	4	0	0		7	1	1				
TOWSON	86.3	62.1	74.3		97	22	49	11	0	29	6	1	0	0	2.68	-1.36	1.54	4	0	0		6	2	1				
UNIONVILLE	85.3	59.3	70.3	1	95	16	43	11	1	28	6	1	0	0	2.27	-1.81	1.02	4	0	0		6	2	2				
WESTMINSTER POLICE BRK	86.2	62.3	74.3	4	93	30+	48	10	0	28	5	1	0	0	2.41	-1.68	1.55	4	0	0	10	1	1					
WOODSTOCK	85.9	62.4	74.2	3	94	15	47	11	1	28	5	1	0	0	2.98	-1.05	1.75	4	0	0		9	1	0				
--DIVISIONAL DATA-->			74.0	3	2										3.36	-1.69					0							
APPALACHIAN MOUNTAIN 07																												
CUMBERLAND 2	86.1	60.7	73.4	3	94	15	46	10	3	26	8	0	0	0	2.42	-1.36	1.15	2	0	0	6	2	1					
FROSTBURG 2	77.7	57.7	67.7		87	16	42	11+	38	12	6	0	0	0	2.24		1.78	2	0	0	5	1	0					
HAGERSTOWN	86.1	62.9	74.9	3	96	15	48	11+	1	29	5	0	0	0	2.12	-1.80	1.64	1	0	0	5	2	0					
HANCOCK FRUIT LAB.	86.4	59.7	73.1	4	96	15	43	11	3	25	4	0	0	0	2.23	-1.63	1.64	2	0	0	5	2	0					
--DIVISIONAL DATA-->			72.2	2	7										2.25	-1.50					0							
ALLEGHENY PLATEAU 08																												
MC HENRY 2 NW	77.8	56.1	67.0		86	20	37	10	41	10	9	0	0	0	3.13		1.94	2	0	0	8	2	0					
OAKLAND 1 SE	79.0	55.2	67.1	3	87	19+	37	11+	40	11	0	0	0	0	3.79	-.57	1.77	2	0	0	4	3	1					
SAVAGE RIVER DAM	81.0	55.8	68.4	3	89	20+	41	11	29	13	9	0	0	0	3.78	-.28	2.31	2	0	0	6	2	1					
--DIVISIONAL DATA-->			67.5	3	5										3.57	-.57					0							
DELAWARE																												
NORTHERN 01																												
MIDDLETOWN 3 E	83.3	62.5	72.9		93	15	48	11	3	24	7	0	0	0	2.49		1.20	4	0	0	5	2	1					
NEWARK UNIVERSITY FARM	86.1	62.3	74.2	2	93	30+	45	11	3	28	6	0	0	0	2.04	-1.71	1.85	4	0	0	5	1	0					
WILMINGTON WSO AP	83.4	63.5	73.5	2	93	15	50	11	2	26	4	0	0	0	2.31	-1.20	1.75	4	0	0	6	1	0					
WILMGTN PORTER RESVR	83.7	65.1	74.4	4	95	15	53	11	0	28	5	0	0	0	2.01	-1.99	1.77	4	0	0	3	2	0					
--DIVISIONAL DATA-->			73.8	2	6										2.21	-1.48					0							
SOUTHERN 02																												
DOVER	87.7	65.6	76.7	4	97	30	49	11	1	35	13	0	0	0	1.43	-2.18	.84	5	0	0	4	1	0					
GEORGETOWN 5 SW	84.5	62.7	73.6	2	93	16+	43	11	7	27	7	0	0	0	1.89	-1.70	.80	5	0	0	5	1	0					
GREENWOOD 2 NE																												
LEWES	84.8	64.9	74.9	4	94	30	55	18	0	30	8	0	0	0	1.84	-1.86	.48	24	0	0	4	0	0					
MILFORD 4 SE	86.0	64.3	75.2	3	96	30	53	18+	0	31	7	0	0	0	2.74	-.98	1.73	5	0	0	5	2	1					
--DIVISIONAL DATA-->			75.1	3	3										1.98	-1.67					0							

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
JUNE 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	2.10		.02			.30					.16	1.31	.07		.01							.12										.05	.06
CRISFIELD SOMERS COVE	4.21	.07	.15			.59			*	.75		.43	.30												1.45						.44	.03	
PRINCESS ANNE	3.48		.08			.28						1.29	1.28																		.44	.11	
SALISBURY	3.64		.05			.41					.35		.11	2.01								.09	.06	.01	T					.55			
SALISBURY FAA AP	2.73	T	.04		.15	T				.32		.39	.83								T	.09	T	T	T					.70	.21		
SNOW HILL 4 N	2.02	T	.02			.09					.51		.86	.26								.14	T	T						.07	.07		
CENTRAL EASTERN SHORE 02																																	
CAMBRIDGE WTR TRMT PL	1.99	.02	.18			.26						.04	.92									.08	.08	.16	.05					.20	.12		
DENTON 2 E	1.38					.65				.02		.11	.03									.03	.22							.20	.20		
ROYAL OAK 2 SSW	2.14		.08	T	.55	.10				.01		.20	.12									.22	.14					.05	.47	.20			
VIENNA	M																																
LOWER SOUTHERN 03																																	
LA PLATA 1 W	2.40		.03	.12	.83	T			T		.09	.06	.01	T								.15	T	.26				.02	.81	.02			
MECHANICSVILLE 1 E	2.36		.04	.06	.72	T			T	T		T	.02	.09								.60	.06	T				T	.77				
OWINGS FERRY LANDING	3.12		.07	.01	.81	.31			T			T	.31									.15	.02	.14	.01			.12	1.17				
PATUXENT RIVER	3.82	.32		.13	.80				.38			.04	.28								.76	.06	T	T			1.05						
UPPER SOUTHERN 04																																	
ANNAPOLIS POLICE BRKS	3.90				1.64	.30							.16	.65									.24	.49				.00	.42				
BALTIMORE WSO AP	2.63	T		.13	1.10				.03			T	T								.27	.02	.41	T			.52	T		.15			
BELTSVILLE	2.69	.21	.06		.11	.78						.14	.34									.14	.33				.56	T		.02			
COLLEGE PARK	4.22	.48		.10	.07	1.27			T			.18	.41									.45	.24				1.02	T		.04			
DALECARLIA RESVR D C	3.46		.13	.13	1.31	.03					.07		.05										.34	.34				1.02	T		.04		
GLENN DALE BELL STN	3.58		.07		.07	1.11			T			.01	.09	.16							.10			.51			T	1.46					
LAUREL 3 W	M																																
NATIONAL ARBORETUM D C	4.30		.09		.10	1.32						.15	.24									1.17	.01	.19				.98	.05				
UPPER MARLBORO 3 NNW	2.61		.08		.04	1.38						.28	.12									.14	.05					.52					
NORTHERN EASTERN SHORE 05																																	
CHESTERTOWN	2.41		.15	.11	1.13				.03			.13									.02	.05	.35	.01		.02	.30	.11			T		
MILLINGTON 1 SE	2.57			.01	.05	.66			T		.18	T	.05									*	.71	.07	.53		.02	.30	.31				
NORTHERN CENTRAL 06																																	
ABERDEEN PHILLIPS FLD	2.53		T		.05	1.02			.10	.21		.02			T	.21						T	.64	.15	T		T	*	*	.13	T		
BALTIMORE WSO CI	3.82			.14	1.23				.05			.12		.07		.23					.19		.50				.86	.02	.10		.73		
BENSON POLICE BARRACKS	2.71				1.30	.35			.27	.05		.04										T	.28	T			.02	.10	T				
BOYDS 2 NW	6.35			.86	1.29				.05			.04									.37	.13	.37				.27	.02			2.95		
BRIGHTON DAM	M																																
CATOCTIN MOUNTAIN PARK	3.39		.09				.57					.38	.94										.31	.13	.03	.03	.33	.55	.03				
CLARKSVILLE 3 NNE	2.17		T	T	1.30				.08			.01	.06									.22	.08			.22	.10						
CONOWINGO DAM	3.01				.80				.16			.09	.03										.55	.47		T	T				.81		
DAMASCUS 2 SW	6.38	.02	T	1.78	1.23				.05			.03	.15	.06	.10						.15	.28	.64				.37	.04			1.58		
EMMITSBURG 2 SE	2.35		.14		.70				.10				.40									.40	T	T		T	.26	.25	.10		T		
FREDRICK POLICE BRKS	3.03		.10	.19	1.43				.12			.05	T	.41		.04						.29	.05	.04			.06	.08	.12		.05		
FREDERICK 3 E	3.01		.09		.95	.55			.07	T		.06	.39		.02							.20	.24	T			.37	.07					
POTOMAC FILTER PLANT	M																																
ROCKVILLE 1 NE	3.29	.02		.36	1.60				.03			.06									.11	.06	.50	T			.24	.02			.29		
TOWSON	2.68				1.54	.01			.06	.20		.10	.05									.05	.29	.09			.02	.24			.03		
UNIONVILLE	3.27		.08	1.02		.30			.14			.11	.29	.11							1.01	.10	.41				.08	.12		.43			
WESTMINSTER POLICE BRK	2.41		T	.55					.39			.11	.20	.11								.20	T		.11		.05	.08	.10	.12			
WOODSTOCK	2.98		.15	.75	T				.08	.05		.02	.18	.12							.47	.37	.42			.13	.09			.15			

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
JUNE 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	2.42		1.15		.24								T	.11	.88							.14	.50	.25	T				.10	T	.04	
EDGEHONT	3.42		.13		.46	.63			.03	.05	.08			.40	T	.02	.12				.05	.78	.31	.17	.02	T			.40	.03		
FROSTBURG 2	2.24		.39		T					.03	.01		T	.08	.64						.62	.01	.10	.02	T							
HAGERSTOWN	2.12		.06	.02	T				.04					.08	.02													.38				
HANCOCK FRUIT LAB	2.23		.22		.56					.07				.08	.02						.42	.14	T	.03				.64	.05			
ALLEGHENY PLATEAU 08																																
MC HENRY 2 NW	3.13		.18		.05					.13			.03	.42	T							.94	.30	.66	.26				T	T	.16	
MERRILL	3.43									.23			.01	.26							.40	1.59	.13	.15				.35	.01	.30		
OAKLAND 1 SE	3.79	T	.05	.03	T					.27			.62	.06							.07	1.77	.80									
SAVAGE RIVER DAM	3.78		.12		.01				.04	T			T	.20	T		.05				.01	2.31	.22	.57	.16	T	.07	.06	T	.08		
DELAWARE																																
NORTHERN 01																																
MIDDLETOWN 3 E	2.49				1.20					.14											T	.40		.10					.63		.02	
NEHARK UNIVERSITY FARM	2.04				.85	.25				.14			.03	.02	.01		.02					.04	.02					T	.29	.37		
WILMINGTON WSO AP	2.31	T	.04		.75					.12			T	T		.41	.02				T	.28	.01				T	.02	.39	.29		
WILMINGTON PORTER RESVR	2.01		.02	T	.77					.04			.02	.02	.05		T					.75	.02				T	.02	.02	.30		
SOUTHERN 02																																
DOVER	1.43				.84					T	.13			.02	.02							.12		.03	.22				.05			
GEORGETOWN 5 SW	1.89		.17	.05	.80					.26				.20								.03	.03						.35			
GREENHOOD 2 NE	H																															
LEWES	1.84		.01		T	.47								.45	.02							.09	.06	.48					.18	.02		
MILFORD 4 SE	2.74				.03	1.73				T	.06			.06								.53	.11	.16					.12			

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
JUNE 1987

STATION	OBS. 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	
MARYLAND																																		
SOUTHERN EASTERN SHORE 01																																		
ASSATEAGUE ISLAND NATL	07	MAX MIN	92 60	82 63	88 62	76 61	74 63	79 58	79 58	81 67	92 73	90 58	74 56	75 63	84 67	86 64	80 66	90 67	80 66	76 60	78 62	78 67	82 67	89 67	89 70	94 63	74 57	77 65	78 67	89 61	85 66	83 67	82.5 63.7	
CRISFIELD SOMERS COVE	17	MAX OBS MIN OBS	83 73	83 71	83 66	79 65	80 65	79 66	83 63	85 65	87 71	73 63	77 58	80 58	80 63	79 68	88 73	88 63	86 61	83 59	88 64	85 68	88 73	87 77	88 63	79 60	80 60	84 71	84 69	84 71	87 75	87 75	83.1 66.6	
PRINCESS ANNE	17	MAX MIN	89 65	88 68	86 63	82 63	82 63	81 52	84 52	90 70	91 70	84 57	79 45	87 56	83 70	83 65	90 64	90 73	84 62	84 52	86 59	90 66	88 64	89 71	91 74	90 60	85 50	83 59	86 70	86 59	86 70	87 55	86 56	86.3 62.2
SALISBURY	17	MAX MIN	92 70	87 69	86 64	81 62	82 64	81 60	85 57	90 70	88 73	80 58	78 53	85 63	84 70	83 61	89 71	87 73	83 70	84 56	85 61	90 69	88 71	87 74	90 75	87 62	85 58	82 63	86 70	85 61	87 62	90 70	85.6 65.4	
SALISBURY FAA AP	MID	MAX MIN	90 68	87 67	80 63	82 64	82 59	80 56	85 54	92 69	88 69	76 53	80 49	87 62	85 67	84 65	90 69	84 59	90 53	83 58	83 69	88 72	87 73	88 67	91 57	87 53	75 62	85 53	82 62	85 69	80 58	87 60	91 70	84.7 62.8
SNOW HILL 4 N	18	MAX MIN	89 68	87 67	83 64	80 64	82 63	81 53	86 52	92 68	90 68	89 55	80 46	87 65	86 70	86 64	94 67	92 71	84 64	83 50	88 56	93 66	91 72	90 70	93 71	91 62	83 50	83 60	90 71	88 55	89 60	93 69	87.4 62.7	
CENTRAL EASTERN SHORE 02																																		
CAMBRIDGE WTR TRMT PL	16	MAX MIN	93 67	89 67	86 65	83 61	81 65	81 58	85 55	93 67	92 72	85 59	80 50	88 65	89 70	87 63	94 69	93 74	85 64	85 57	87 63	92 71	92 72	91 73	91 73	90 63	87 59	87 63	85 68	85 64	89 62	94 70	88.0 65.0	
DENTON 2 E	17	MAX MIN	93 68	90 68	84 64	80 62	82 64	80 57	86 53	92 68	88 71	81 55	83 57	88 62	90 69	89 65	97 70	90 73	87 64	91 52	90 62	96 68	92 72	94 70	93 73	86 63	89 56	85 61	90 70	84 56	90 59	98 72	88.7 64.1	
ROYAL OAK 2 SSW	18	MAX MIN	87 69	85 68	84 67	79 64	79 63	78 60	85 57	88 71	83 74	79 57	78 50	82 68	85 72	83 64	91 72	86 73	87 68	84 58	88 66	89 70	88 71	88 73	89 73	83 63	85 61	82 64	85 69	81 57	82 64	85 74	84.6 66.0	
VIENNA	18	MAX MIN																																M M
LOWER SOUTHERN 03																																		
LA PLATA 1 W	18	MAX MIN	86 66	83 66	85 67	72 65	76 59	77 53	86 54	87 64	86 70	79 54	76 51	80 65	85 68	82 63	90 69	87 71	84 65		87 59	90 69	88 70	88 70	85 71	83 66	86 60	83 68	82 60	77 53	86 58	90 72	83.7 63.7	
MECHANICSVILLE 1 E	19	MAX MIN	87 67	85 66	81 65	74 65	79 61	80 55	87 51	89 65	85 70	77 54	79 47	84 63	87 68	83 61	92 68	85 73	86 64	85 55	89 60	92 66	87 71	89 71	88 66	79 66	86 57	80 65	85 66	79 53	88 57	92 69	84.6 63.0	
OWINGS FERRY LANDING	17	MAX MIN	87 65	86 65	86 67	74 64	80 62	79 56	87 54	89 65	89 69	83 54	79 49	83 63	87 68	85 62	92 69	91 73	85 64	85 57	88 63	92 68	89 70	89 71	89 70	85 65	87 59	87 65	85 67	81 55	87 57	92 69	85.9 63.5	
PATUXENT RIVER	MID	MAX MIN	88 68	87 68	78 68	76 66	77 63	77 61	87 59	90 69	88 70	73 57	76 57	89 67	87 67	81 71	93 71	87 73	84 67	81 61	85 66	85 71	89 70	90 74	89 69	79 65	84 62	80 68	85 69	82 61	88 66	92 72	84.3 66.4	
UPPER SOUTHERN 04																																		
ANNAPOLIS POLICE BRKS	17	MAX OBS MIN OBS	89 65	89 64	80 64	76 61	83 59	84 57	85 55	92 64	86 63	78 51	78 50	86 50	85 65	86 59	96 59	95 71	91 61	87 59	87 60	91 66	89 66	93 60	93 69	89 61	89 60	88 64	88 66	85 54	91 57	94 68	87.4 60.9	
BALTIMORE WSO AP	MID	MAX MIN	93 67	87 68	78 67	73 64	79 59	78 58	87 56	91 65	81 64	76 53	78 50	81 62	86 66	87 61	95 70	86 69	87 65	87 59	91 62	93 67	88 70	88 71	83 66	89 70	83 66	89 62	77 68	86 64	81 55	89 59	93 70	85.3 63.6
BELTSVILLE	08	MAX MIN	90 64	90 65	86 67	83 71	74 57	77 51	80 52	87 61	81 68	82 51	76 47	80 62	84 66	88 60	87 67	95 71	84 66	87 58	87 63	90 68	93 69	90 70	91 65	91 65	83 58	89 66	78 66	88 53	88 55	88 69	85.8 62.0	
COLLEGE PARK	09	MAX MIN	92 67	93 67	90 70	91 67	75 59	80 59	80 55	90 55	94 73	84 55	82 50	84 69	87 64	92 70	96 75	87 66	88 61	90 68	95 71	100 72	92 73	93 66	89 66	86 62	91 62	82 69	87 55	85 51	91 73	88.6 65.0		
DALECARLIA RESVR D C	17	MAX MIN	89 67	88 64	88 68	77 55	79 58	80 56	85 55	93 61	93 68	80 52	80 50	85 65	89 66	83 68	95 74	94 64	88 61	88 63	89 68	95 70	94 71	89 72	87 61	88 67	86 65	80 68	89 56	87 81	94 81	88.2 64.2		
GLENN DALE BELL STN	16	MAX MIN	88 62	88 64	87 65	80 65	79 57	79 51	87 51	90 59	90 65	83 52	80 44	83 60	88 66	87 60	93 68	95 70	85 60	83 60	86 58	88 66	85 65	80 60	90 68	84 58	89 56	88 64	81 64	79 45	87 54	92 67	85.8 60.1	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
JUNE 1987

STATION	OBS. 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		
LAUREL 3 W	MID	MAX MIN																																	M
NATIONAL ARBORETUM D C	08	MAX OBS MIN	91	91	88	85	82	78	80	88	92	84	79	80	83	88	90	94	85	88	88	92	95	89	91	88	83	89	84	88	82	89	86.8		
UPPER MARLBORO 3 NNW	08	MAX MIN	89	88	87	82	75	79	79	87	90	84	75	79	84	88	86	93	85	85	86	90	92	90	91	89	81	88	78	86	82	88	85.2		
NORTHERN EASTERN SHORE	05		66	67	67	67	61	56	53	64	70	55	48	57	68	61	69	73	63	58	61	66	69	69	72	65	58	66	67	54	55	68	63.1		
CHESTERTOWN	23	MAX MIN	89	86	78	75	80	78	86	91	83	76	80	81	87	88	94	89	87	88	89	94	89	92	90	84	89	81	86	82	89	93	85.8		
MILLINGTON 1 SE	18	MAX OBS MIN OBS	89	87	83	75	80	77	84	89	87	87	78	80	87	87	92	93	82	84	87	91	88	89	88	88	87	78	86	80	86	92	85.4		
NORTHERN CENTRAL	06		65	69	65	62	63	55	52	65	67	57	46	61	69	61	69	52	52	52	52	61	68	70	71	71	61	57	61	69	56	57	70	62.8	
ABERDEEN PHILLIPS FLD	16	MAX OBS MIN OBS	87	87	84	74	79	77	84	92	92	80	78	78	85	87	92	91	84	84	86	91	89	88	88	84	87	86	86	81	87	90	85.3		
BALTIMORE WSO CI	MID	MAX MIN	93	90	80	75	83	80	91	97	85	79	81	83	89	88	99	90	90	88	94	94	92	94	94	83	93	82	95	88	94	96	88.7		
BENSON POLICE BARRACKS	17	MAX MIN	91	90	87	75	81	81	85	93	91	80	79	79	85	88	96	95	88	87	87	92	89	89	89	85	91	90	88	84	89	93	87.2		
BOYDS 2 NW	18	MAX MIN	87	84	84	75	76	77	86	89	87	81	79	78	85	89	92	89	84	85	89	91	84	90	84	81	87	81	82	79	86	91	84.4		
CATOCTIN MOUNTAIN PARK	17	MAX OBS MIN	82	86	80	72	73	72	82	85	84	72	72	73	79	82	88	86	85	82	82	84	80	81	80	78	81	84	81	75	78	84	80.1		
CLARKSVILLE 3 NNE	17	MAX MIN	90	87	85	74	78	79	89	92	85	78	80	80	86	90	95	93	85	87	91	93	90	93	90	88	90	87	86	82	89	93	86.8		
CONOWINGO DAM	MID	MAX MIN	88	86	73	71	80	77	84	92	79	77	79	74	87	87	96	85	85	86	89	91	85	88	87	82	88	76	86	81	88	92	84.0		
DAMASCUS 2 SW	19	MAX MIN	87	84	83	71	76	76	85	89	80	78	78	77	84	88	92	81	83	86	89	92	83	88	85	81	87	77	82	79	86	90	83.2		
EMMITSBURG 2 SE	17	MAX MIN	85	84	84	73	77	77	85	87	88	80	77	74	85	86	91	91	82	84	87	89	85	87	87	82	86	86	80	80	84	90	83.8		
FREDRICK POLICE BRKS	17	MAX MIN	90	89	87	71	80	81	89	92	92	85	78	79	89	91	95	95	85	87	90	92	92	91	88	88	90	89	85	86	86	93	87.5		
ROCKVILLE 1 NE	17	MAX MIN	92	89	85	74	81	81	91	94	83	77	82	82	88	92	95	86	88	89	92	95	86	93	88	88	91	80	85	83	89	96	87.2		
TOWSON	18	MAX MIN OBS	88	87	85	75	78	83	87	92	91	91	77	78	85	87	94	94	93	86	89	93	86	97	89	83	88	83	89	80	89	89	86.9		
UNIONVILLE	18	MAX MIN OBS	87	84	84	76	80	75	85	89	91	74	77	77	79	91	93	95	85	87	89	90	91	91	88	87	88	80	85	84	86	92	85.3		
WESTMINSTER POLICE BRK	17	MAX MIN	88	89	85	74	76	78	86	89	90	85	78	79	86	89	93	93	83	87	90	93	90	90	86	85	90	90	83	82	87	93	86.2		
WOODSTOCK	18	MAX MIN	90	86	85	72	79	77	86	90	90	80	80	79	84	89	94	93	86	87	91	93	86	90	88	84	88	84	85	81	88	92	85.9		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
JUNE 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		
APPALACHIAN MOUNTAIN	07																																		
CUMBERLAND 2	18	MAX	87	85	84	83	81	78	88	87	85	77	83	77	89	92	94	90	89	93	93	91	89	85	83	84	90	88	82	78	87	91			
		MIN	61	62	65	54	57	57	60	72		46	53	65	62	61	65	60	59	59	65	68	68	68	66	57	62	58	54	52	57	66			
FROSTBURG 2	07	MAX	77	78	78	79	70	72	71	81	81	75	67	75	69	82	84	87	76	83	83	85	83	81	78	76	76	81	78	73	71	80			
		MIN	61	60	62	62	48	49	55	55	64	42	42	45	64	60	60	66	64	59	58	64	65	65	66	61	57	58	59	53	53	55			
HAGERSTOWN	18	MAX	89	87	81	76	80	81	89	91	86	83	80	79	87	90	96	89	84	88	93	92	88	87	87	84	89	82	83	80	87	95			
		MIN	67	63	65	68	57	61	58	65	71	48	48	64	65	61	66	70	61	59	59	69	68	70	65	67	59	67	66	55	58	68			
HANCOCK FRUIT LAB	16	MAX	87	86	86	77	79	79	88	89	89	79	84	72	88	89	96	93	85	89	92	92	86	89	88	86	88	87	88	82	86	93			
		MIN	59	59	61	69	50	50	53	59	65	46	43	63	61	62	59	68	57	52	74	65	67	68	69	64	54	64	62	49	54	64			
ALLEGHENY PLATEAU	08																																		
MC HENRY 2 NW	08	MAX	85	80	80	76	76	71	70	80	80	72	68	79	78	79	83	85	77	82	84	86	83	80	73	72	77	81	76	72	70	79			
		MIN	60	57	57	58	45	48	53	60	62	37	40	53	61	59	59	63	58	58	59	63	63	63	64	57	56	60	55	49	51	55			
OAKLAND 1 SE	17	MAX	80	77	76	76	71	72	81	80	80	73	78	77	77	87	83	82	81	83	87	85	84	81	76	75	79	77	77	72	79	83			
		MIN	57	59	57	59	43	47	48	66	63	37	37	55	65	58	53	64	60	53	56	64	65	66	65	59	51	61	50	48	45	45			
SAVAGE RIVER DAM	08	MAX	81	85	80	83	73	75	77	84	85	79	73	78	73	83	88	89	80	88	88	89	85	83	80	78	78	83	80	77	74	82			
		MIN	60	60	61	62	48	48	53	56	66	43	41	44	60	60	58	60	62	55	58	63	66	52	62	63	54	55	55	49	48	52			
DELAWARE																																			
NORTHERN	01																																		
MIDDLETOWN 3 E	17	MAX	89	84	75	73	78	74	80	90	81	75	78	79	86	88	93	84	82	84	88	92	87	90	86	80	86	76	84	79	87	91			
		OBS							***																										
		MIN	66	70	65	63	63	57	52	53	67	53	48	63	69	61	70	68	64	53	59	67	71	71	70	60	57	64	68	55	59	70			
		OBS							***																										
NEWARK UNIVERSITY FARM	17	MAX	89	88	85	76	78	75	85	91	88	79	78	78	86	89	93	86	84	86	89	93	92	92	88	85	91	90	86	82	89	93			
		MIN	66	69	66	62	61	57	54	55	67	53	45	60	68	60	71	70	63	54	60	67	71	72	72	60	58	64	68	54	55	66			
WILMINGTON WSO AP	MID	MAX	90	86	70	72	79	76	83	91	81	75	77	78	85	87	93	84	82	84	88	90	85	87	88	82	88	77	86	79	88	92			
		MIN	69	68	65	63	60	59	55	67	63	52	50	62	67	62	72	69	62	58	63	70	72	71	66	61	60	65	68	58	58	71			
WILMINGTON PORTER RESVR	MID	MAX	89	86	70	71	79	76	82	90	78	74	88	77	88	89	95	85	83	84	87	90	84	86	86	81	92	78	85	79	87	92			
		MIN	70	69	66	63	64	63	58	68	66	56	53	64	69	64	71	72	65	59	65	69	72	71	66	61	66	65	65	58	63	71			
SOUTHERN	02																																		
DOVER	17	MAX	92	92	87	75	83	79	85	92	89	80	79	86	90	88	96	94	82	85	92	94	92	92	93	88	85	83	88	82	90	97			
		MIN	71	70	63	68	70	64	64	66	64	56	49	68	64	64	74	72	67	53	68	74	68	62	73	62	58	63	74	63	63	74			
GEORGETOWN 5 SW	08	MAX	93	90	88	77	81	80	78	80	91	84	75	79	85	85	85	93	83	79	86	88	92	89	91	91	76	84	81	81	81	88			
		MIN	68	71	64	61	63	57	53	57	71	55	43	61	69	64	68	72	62	51	57	68	72	71	73	62	52	61	68	57	60	69			
GREENWOOD 2 NE	18	MAX																																	
		MIN																																	
LEWES	17	MAX	90	82	79	74	78	77	86	91	89	83	77	86	86	85	93	93	78	82	87	90	87	91	90	88	80	78	80	81	88	94			
		MIN	71	69	63	61	64	61	57	69	73	58	59	64	70	67	70	68	68	55	62	69	73	69	74	62	56	64	69	59	62	62			
MILFORD 4 SE	17	MAX	90	85	85	75	78	84	85	90	89	83	79	86	87	86	95	93	80	84	89	91	89	90	89	87	81	77	84	83	89	96			
		MIN	69	69	63	60	64	63	55	69	71	56	53	62	69	65	69	72	66	53	61	68	71	71	73	62	55	63	69	60	60	69			

SEE REFERENCE NOTES FOLLOWING STATION INDEX

EVAPORATION AND WIND

MARYLAND AND
DELAWARE
JUNE 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	9	15	10	27	31	17	34	22	42	52	26	28	9	10	12	17	6	9	27	25	28	16	22	47	23	35	41	32	27	38			
	EVAP	21	25	20	17	8	24	29	20	32	17	24	26	0	20	30	34	19	29	32	25	21	19	28	29	28	30	13	33	25	31			
	MAX	95	98	96	94	76	92	86	91	93	81	88	89	82	91	97	100	91	97	95	96	97	94	96	94	96	98	81	95	95	94			
	MIN	70	69	67	70	63	65	61	68	69	55	56	58	69	61	69	71	70	67	67	68	74	74	74	68	66	68	69	62	61	65			
UPPER MARLBORO 3 NNW																																		
	WIND	1	1	5	5	2	8	28	16	17	23	22	17	8	3	5	7	8	15	13	15	13	1	15	23	23	4	6	9	8	17			
	EVAP	19	13	22	19	16	27	32	28	30	19	27	27	8	20	24	30	22	33	30	27	27	16	23	26	30	22	11	26	25	34			
	MAX	93	93	94	94	78	90	85	90	94	82	86	89	82	94	98	99	90	96	95	95	98	93	95	92	91	94	82	94	89	93			
	MIN	74	66	70	73	67	67	64	64	71	57	56	60	66	70	70	75	72	69	69	70	73	76	76	68	67	68	72	65	64	67			
ALLEGHENY PLATEAU 08																																		
SAVAGE RIVER DAM																																		
	WIND	-	3	10	10	18	17	21	22	29	37	13	10	8	16	2	18	8	10	9	4	4	8	16	20	15	14	16	18	25	3			
	EVAP	15	11	13	13	8	28	18	21	14	19	21	18	13	16	17	32	21	21	18	9	-	14	12	9	19	18	21	17	13	0			
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
DELAWARE																																		
NORTHERN 01																																		
NEWARK UNIVERSITY FARM																																		
	WIND	34	35	77	10	33	41	18	45	41	65	26	21	37	21	41	27	28	22	20	20	13	31	36	63	20	49	33	49	20	31			
	EVAP	30	26	12	14	12	47	15	23	20	23	45	5	23	24	24	23	33	22	16	28	22	17	17	8	35	15	5	43	22	41			
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
SOUTHERN 02																																		
GEORGETOWN 5 SW																																		
	WIND	10	6	6	5	5	5	20	8	11	36	9	*	16	31	17	88	71	92	31	47	64	85	77	56	93	10	4	3	36	58	61	66	139
	EVAP	35	32	26	20	15	22	-	27	-	-	27	13	42	19	16	-	21	23	38	-	31	9	50	-	21	20	-	30	30	41			
	MAX	93	97	93	87	88	90	85	88	72	78	78	74	87	90	85	87	88	91	92	92	94	94	93	93	85	87	86	94	87	90			
	MIN	74	72	68	67	68	75	75	71	66	60	60	62	72	70	66	71	70	61	67	73	75	78	76	69	65	67	78	67	68	73			

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

STATION INDEX

MARYLAND AND
DELAWARE
JUNE 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	0015	06	HARFORD	39 28	76 10W	57	16	16	C	H	ROSS AVIATION INC	
ANNAPOLIS POLICE BRKS	01933	04	ANNE ARUNDEL	38 59	76 30W	25	17	17			ANNAPOLIS POLICE BRKS	
ASSATEAGUE ISLAND NATL	0335	01	WORCESTER	38 14	75 8W	7	07	07			NATIONAL PARK SERVICE	
BALTIMORE WSO AP	0465	04	ANNE ARUNDEL	39 11	76 40W	196	MID	MID	C	H	NATL WEATHER SERVICE	
BALTIMORE WSO CI #	0470	05	BALTO CITY	39 17	76 43W	91	MID	MID	C	H	OCMI COMMANDING OFFICER	
BELTSVILLE	0700	04	PRN GEORGES	39 2	76 53W	120	08	08	08	C	H	U S DEPT OF AGRICULTURE
BENSON POLICE BARRACKS	0732	06	HARFORD	39 30	76 23W	365	17	17			MARYLAND STATE POLICE	
BOYDS 2 NW	1032	06	MONTGOMERY	39 13	77 20W	580	18	18			HUNTER F STALEY	
BRIGHTON DAM	1125	06	MONTGOMERY	39 12	77 1W	330		MID			WASH SUB SANY COMM	
CAMBRIDGE WTR TRMT PL	1385	02	DORCHESTER	38 34	76 4W	5	16	16			WASTEWATER TRMT PLANT	
CATOCTIN MOUNTAIN PARK	1530	06	FREDERICK	39 39	77 29W	1610	17	17	C	H	CATOCTIN MOUNTAIN PARK	
CENTREVILLE	1627	05	QUEEN ANNES	39 3	76 4W	60	17	17			INACTIVE 02/01/86	
CHESTERTOWN	1750	05	KENT	39 13	76 4W	40	23	23			THOMAS W ELIASON JR	
CLARKSVILLE 3 NNE	1862	06	HOWARD	39 15	76 56W	365	17	17			UNIVERSITY OF MARYLAND	
COLLEGE PARK	1995	04	PRN GEORGES	38 59	76 57W	90	09	09	C	H	UNIVERSITY OF MARYLAND	
CONOWINGO DAM	2060	06	HARFORD	39 39	76 10W	40	MID	MID			SUSQUEHANNA ELECTRIC CO	
CRISFIELD SOMERS COVE	2215	01	SOMERSET	37 59	75 52W	8	17	17			SOMERS COVE MARINA	
CUMBERLAND 2	2282	07	ALLEGANY	39 38	78 45W	730	18	07			TIMOTHY B THOMAS	
DALECARLIA RESVR D C	2325	04		38 56	77 7W	146	17	17			U S CORPS OF ENGINEERS	
DAMASCUS 2 SW	2335	06	MONTGOMERY	39 16	77 14W	720	19	19			RICHARD W SCHWERDT	
DENTON 2 E	2523	02	CHARLINE	38 53	75 48W	50	17	17			ARTHUR REINHOLD	
EDGEMONT	2770	07	WASHINGTON	39 40	77 33W	905	07	07			JOHN W HARNE	
EMMITSBURG 2 SE	2906	06	FREDERICK	39 41	77 18W	416	17	17			MRS LUCILLE K BEALE	
FREDRICK POLICE BRKS	3348	06	FREDERICK	39 25	77 26W	380	17	17			MARYLAND STATE POLICE	
FREDERICK 3 E	3355	06	FREDERICK	39 24	77 22W	385	07	07			MISS I MARY STALEY	
FROSTBURG 2	3415	07	ALLEGANY	39 40	78 56W	2170	07	07			LEE K CLOSE	
GLENN DALE BELL STN	3675	04	PRN GEORGES	38 58	76 48W	150	16	16			USDA PLT INTRODUCT STN	
HAGERSTOWN	3975	07	WASHINGTON	39 39	77 44W	660	18	18			HAGERSTOWN RESERVOIR	
HANCOCK FRUIT LAB	4030	07	WASHINGTON	39 42	78 11W	428	16	16	C	H	SHARPSBURG RESEARCH C	
LA PLATA 1 W	5080	03	CHARLES	38 32	77 0W	140	18	18			C RUSSELL LEVERING	
LAUREL 3 W	5111	04	PRN GEORGES	39 6	76 54W	400	MID	MID			WASH SUB SANY COMM	
MC HENRY 2 NW	5832	08	GARRETT	39 35	79 22W	2680	08	08	C	H	JOSEPH F JOHENNING	
MECHANICSVILLE 1 E	5865	03	ST MARYS	38 27	76 41W	100	19	19			SANDRA J HASTING	
MERRILL	5894	08	GARRETT	39 36	79 5W	1790	09	09			DELWOOD E MERRILL	
MILLINGTON 1 SE	5985	05	KENT	39 16	75 52W	30	18	18			HOWARD L HARVEY	
NATIONAL ARBORETUM D C	6350	04		38 54	76 59W	50	08	08			U S NATL ARBORETUM	
OAKLAND 1 SE	6620	08	GARRETT	39 24	79 24W	2420	17	17			BEA J CROSCO	
OWINGS FERRY LANDING	6770	03	CALVERT	38 41	76 40W	160	17	17			JAMES C RASMUSSEN	
PATUXENT RIVER	6915	03	ST MARY'S	38 20	76 25W	38	MID	MID	C		NAVAL WEATHER SERVICE	
POTOMAC FILTER PLANT	7272	06	MONTGOMERY	39 2	77 15W	270	08	08			POTOMAC WATER FILT PLT	
PRINCESS ANNE	7330	01	SOMERSET	38 13	75 41W	20	17	17			UNIVERSITY MARYLAND EAST	
ROCKVILLE 1 NE	7705	06	MONTGOMERY	39 6	77 6W	440	17	17			WASH GAS & LIGHT CO	
ROYAL OAK 2 SSW	7806	02	TALBOT	38 43	76 11W	10	18	18			JDHN L SWAINE JR	
SALISBURY	8000	01	WICOMICO	38 22	75 35W	10	17	17			CITY OF SALISBURY	
SALISBURY FAA AP #	8005	01	WICOMICO	38 20	75 31W	48	MID	MID			FAA	
SAVAGE RIVER DAM	8065	08	GARRETT	39 31	79 8W	1495	08	08	08	C	H	U S CORPS OF ENGINEERS
SNOW HILL 4 N	8380	01	WORCESTER	38 14	75 23W	28	18	18			CURTIS E SHOCKLEY	
TOWSON	8877	06	BALTIMORE	39 23	76 34W	390	18	18			BENDIX FRIEZ	
UNIONVILLE	9030	06	FREDERICK	39 27	77 11W	430	18	18			CAROLINE RVON EIFF	
UPPER MARLBORO 3 NNW	9070	04	PRN GEORGES	38 52	76 47W	98	08	08	08	C	H	TOBACCO EXP FARM
VIENNA	9140	02	DORCHESTER	38 29	75 50W	12	18	18			DELMARVA POWER & LIGHT	
WESTMINSTER POLICE BRK	9440	06	CARROLL	39 33	76 58W	765	17	17			MARYLAND STATE POLICE	
WOODSTOCK	9750	06	BALTIMORE	39 20	76 52W	460	18	18			JOHN A HILTZ	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
JUNE 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)	
DELAWARE											
DOVER	2730	02	KENT	39 9	75 31 W	30	17	17		H	STATE DIV OF HIGHWAYS
GEORGETOWN 5 SW	3570	02	SUSSEX	38 38	75 27 W	45	08	08	08	C	UNIV OF DEL SUBSTATION
GREENWOOD 2 NE	3595	02	SUSSEX	38 50	75 35 W	45	18	18			DANIEL M SWARTZENTRUBER
LEWES	3320	02	SUSSEX	38 46	75 8 W	15	17	17		H	BOARD OF PUBLIC WORKS
MIDDLETOWN 3 E	5852	01	NEW CASTLE	39 27	75 40 W	55	17	17		H	DAVID S NEYHARD
MILFORD 4 SE	5915	02	SUSSEX	38 54	75 28 W	30	17	17		H	DAVID S SCHLOTT
NEWARK UNIVERSITY FARM	6410	01	NEW CASTLE	39 40	75 44 W	90	17	17	17	C	UNIV OF DELAWARE
WILMINGTON WSO-AP	9595	01	NEW CASTLE	39 40	75 36 W	79	MID	MID		C	NATL WEATHER SERVICE
WILMINGTON PORTER RESVR	9605	01	NEW CASTLE	39 46	75 32 W	274	MID	MID		H	WATER DEPARTMENT

SEE REFERENCE NOTES FOLLOWING STATION INDEX

REFERENCE NOTES

MARYLAND AND
DELAWARE
JUNE 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), (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)

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.

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

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

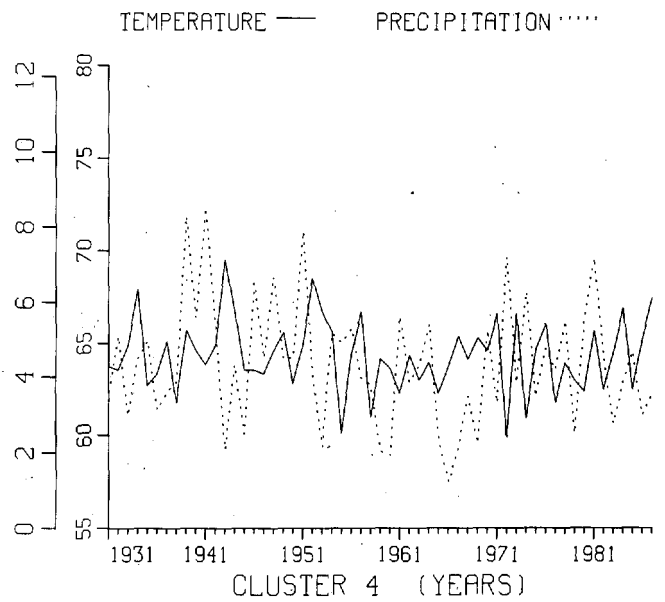
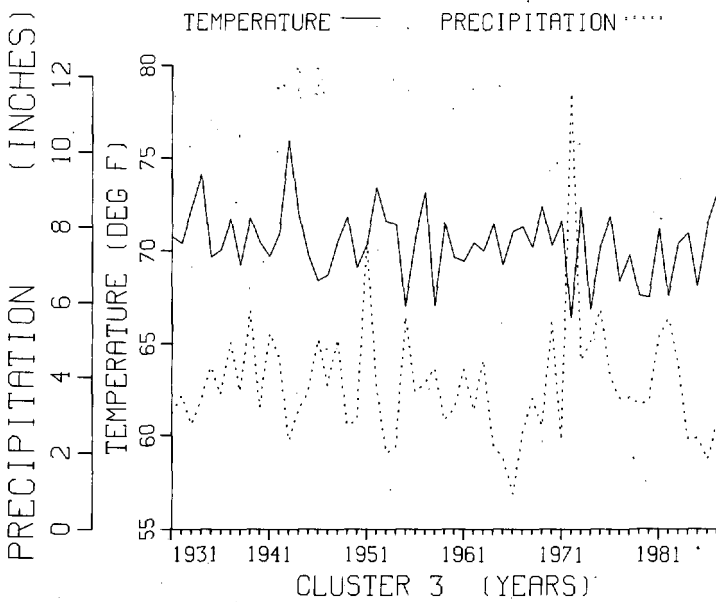
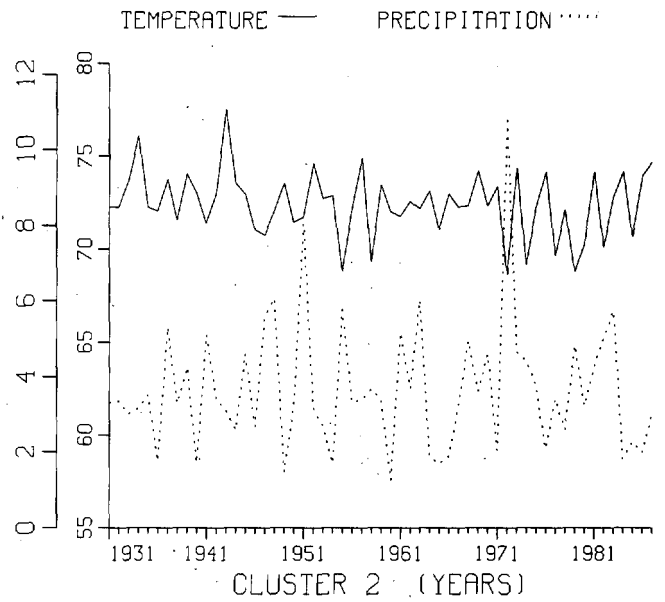
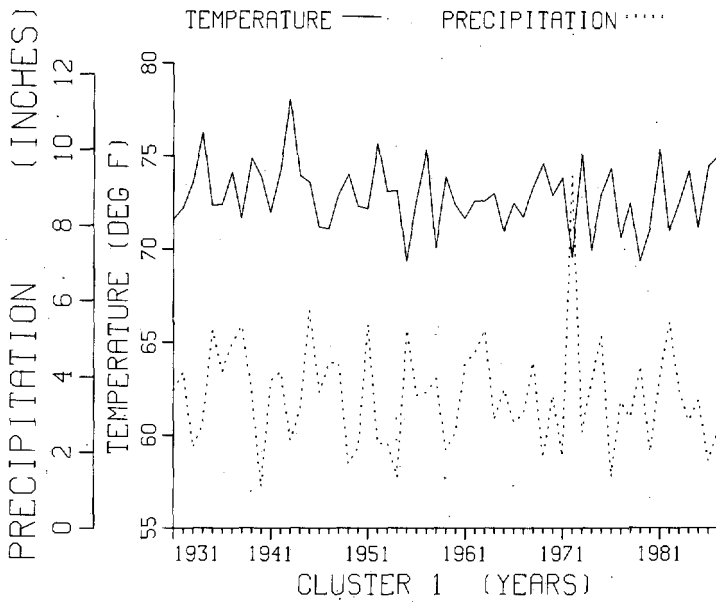
MEAN MONTHLY TEMPERATURES AND PRECIPITATION THE MONTH OF: JUNE THE PERIOD OF: 1931 - 1987 MARYLAND

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

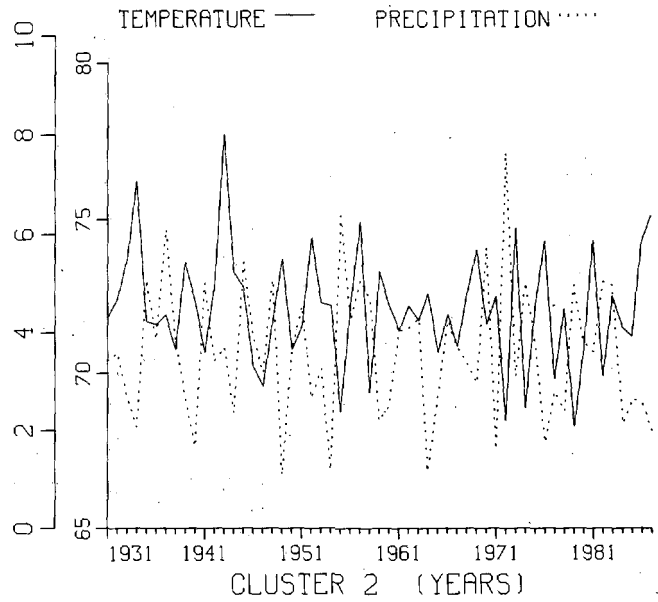
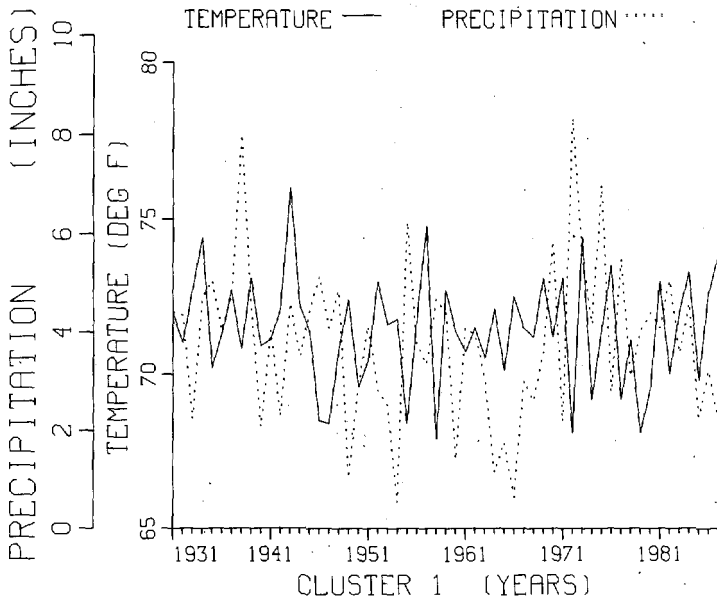
CLUSTER 4 -DIVISION(S):
ALLEGHENY PLATEAU 08



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

CLUSTER 1 -DIVISION(S):
NORTHERN 01

CLUSTER 2 -DIVISION(S):
SOUTHERN 02



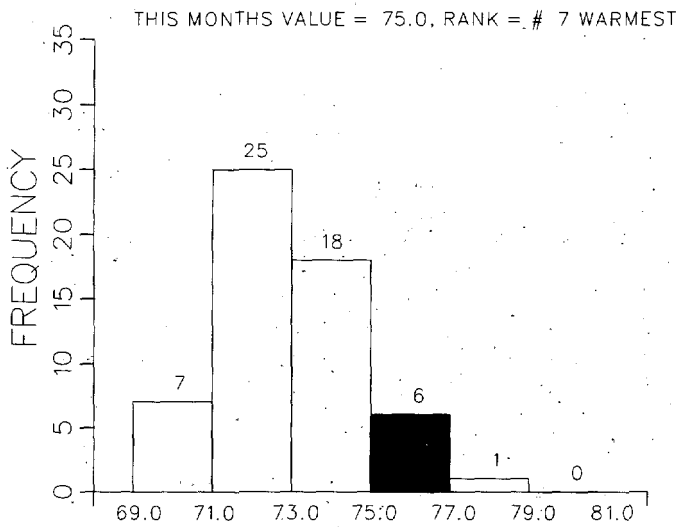
MEAN MONTHLY TEMPERATURE FREQUENCY DISTRIBUTION FOR PERIOD OF RECORD 1931-1987 FOR MONTH OF JUNE MARYLAND

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

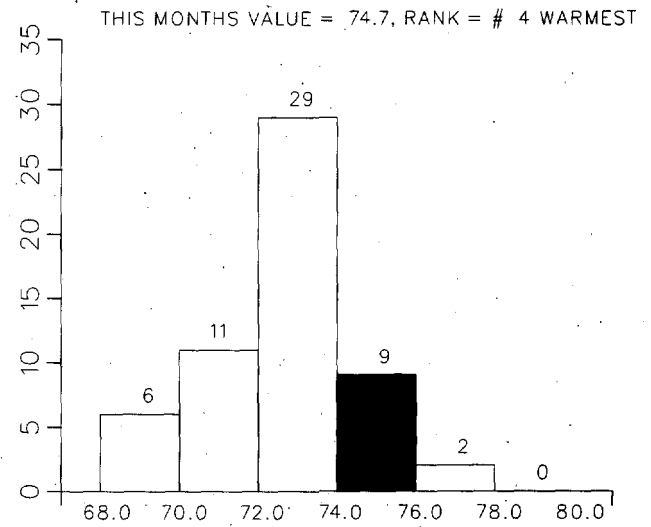
CLUSTER 2 - DIVISION(S):
UPPER SOUTHERN 04
NORTHERN EASTERN SHORE 05

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

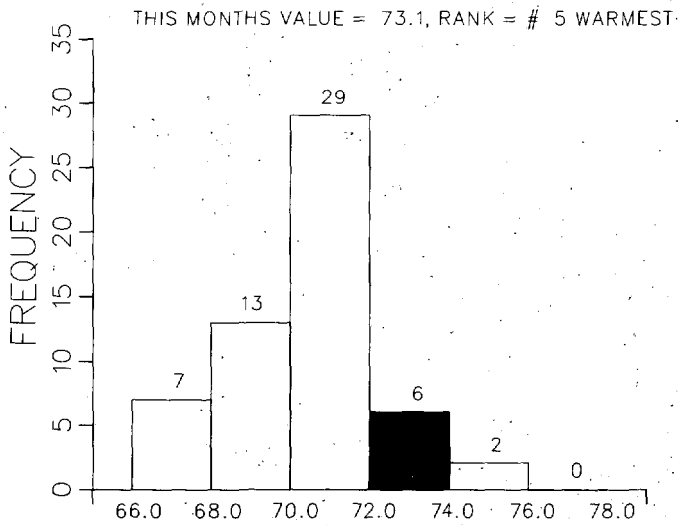
CLUSTER 4 - DIVISION(S):
ALLEGHENY PLATEAU 08



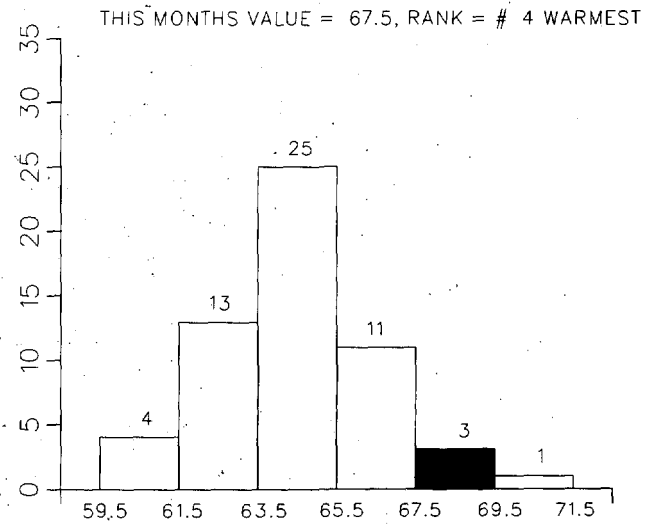
CLUSTER 1 (DEG. F)



CLUSTER 2 (DEG. F)



CLUSTER 3 (DEG. F)



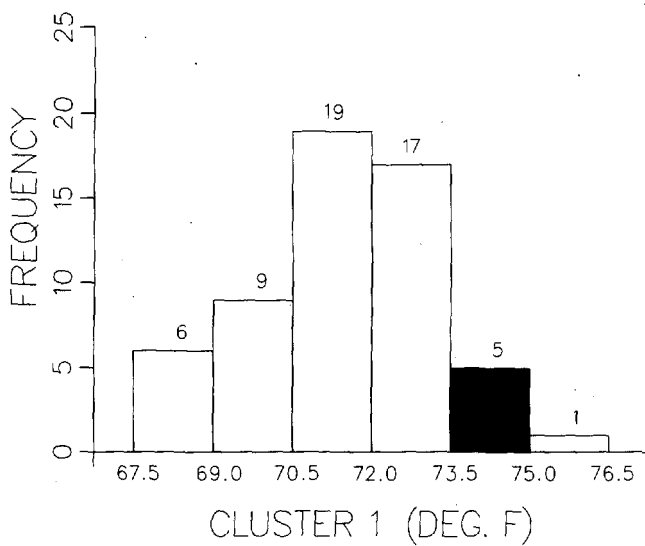
CLUSTER 4 (DEG. F)

MEAN MONTHLY TEMPERATURE FREQUENCY DISTRIBUTION
 FOR PERIOD OF RECORD 1931-1987
 FOR MONTH OF JUNE
 DELAWARE

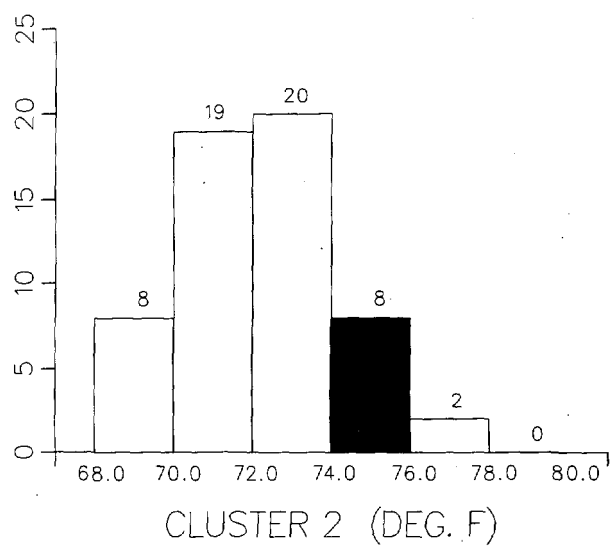
CLUSTER 1 - DIVISION(S):
 NORTHERN 01

CLUSTER 2 - DIVISION(S):
 SOUTHERN 02

THIS MONTHS VALUE = 73.8, RANK = # 5 WARMEST



THIS MONTHS VALUE = 75.1, RANK = # 3 WARMEST



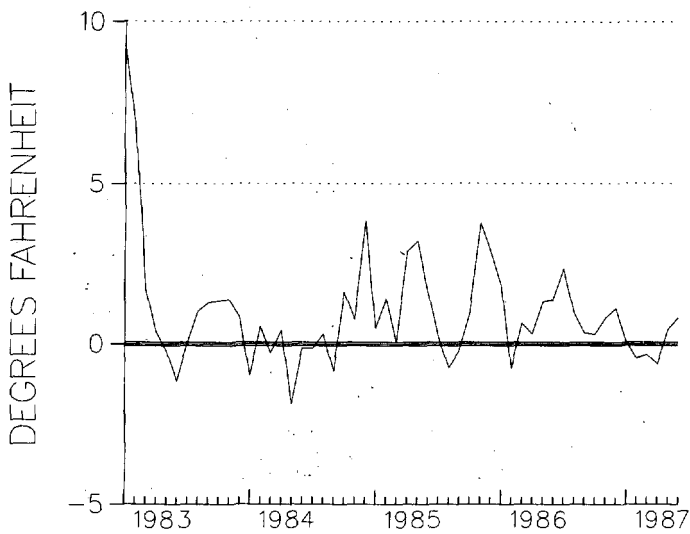
TEMPERATURE DEPARTURES FROM NORMAL (1951-1980)
 THREE MONTH RUNNING MEAN
 FOR THE 54 MONTHS ENDING WITH JUNE 1987 DATA
 MARYLAND

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

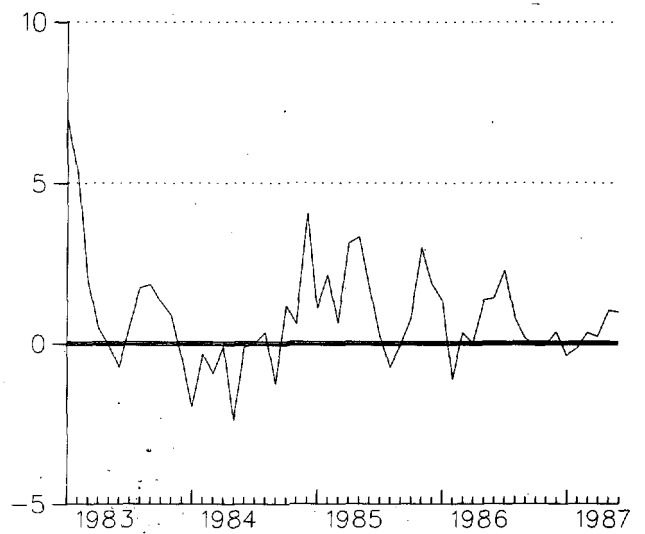
CLUSTER 2 -DIVISION(S):
 UPPER SOUTHERN 04
 NORTHERN EASTERN SHORE 05

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

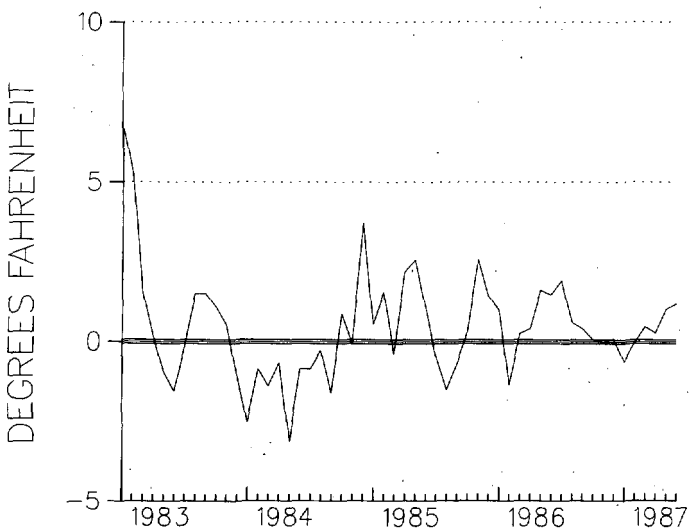
CLUSTER 4 -DIVISION(S):
 ALLEGHENY PLATEAU 08



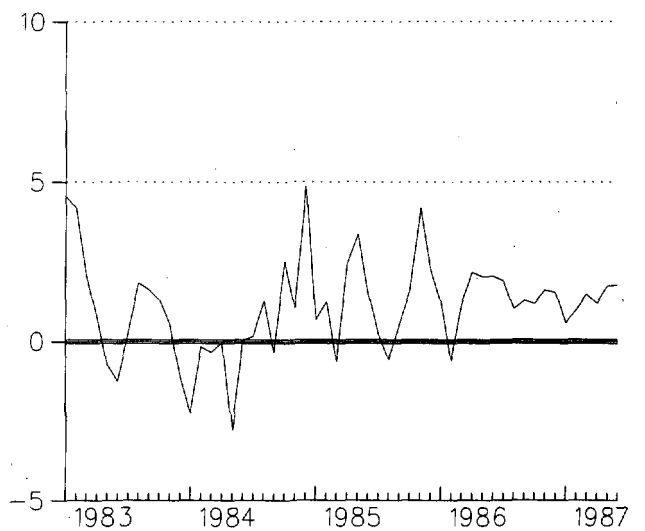
CLUSTER 1



CLUSTER 2



CLUSTER 3



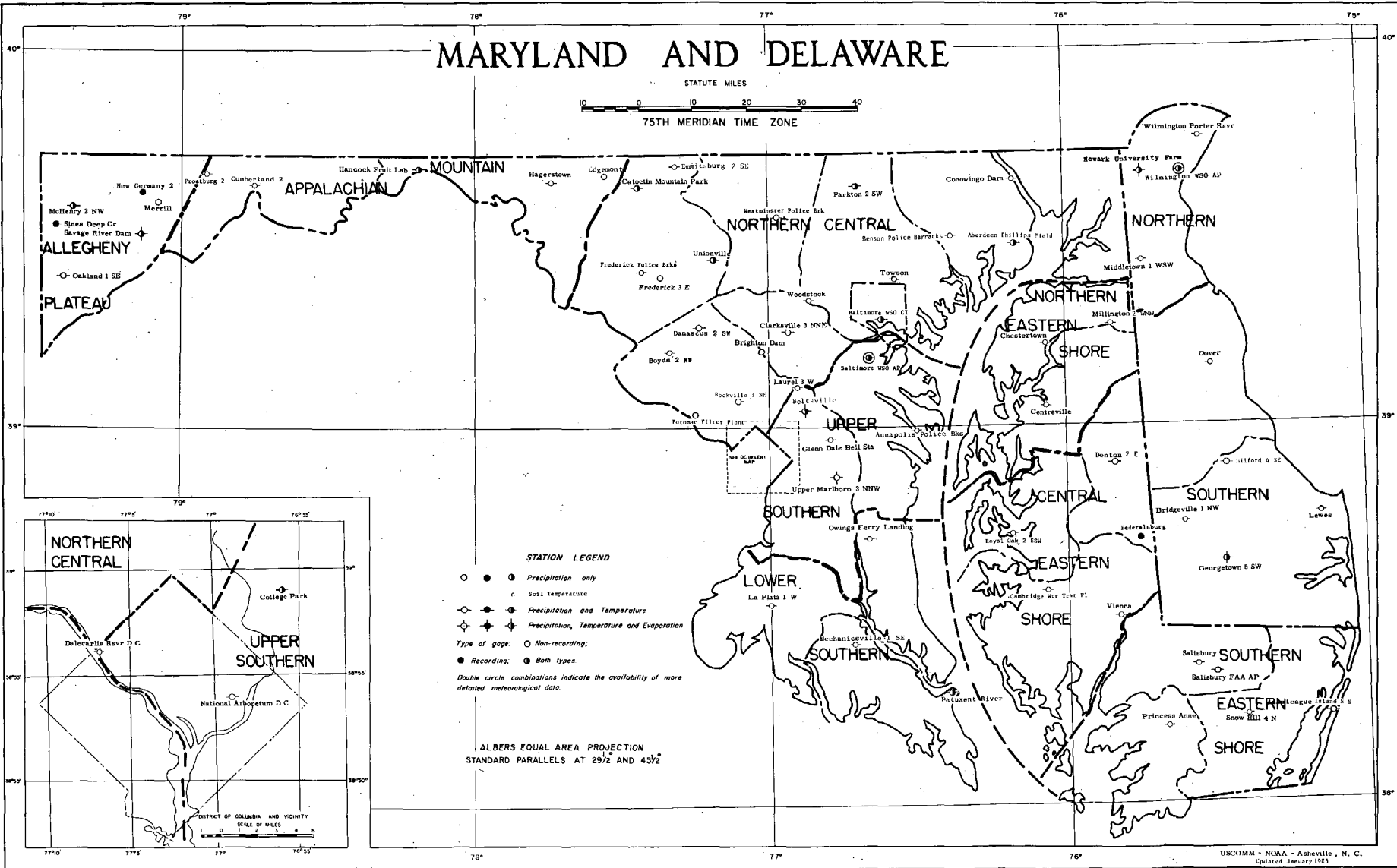
CLUSTER 4

MARYLAND AND DELAWARE

STATUTE MILES

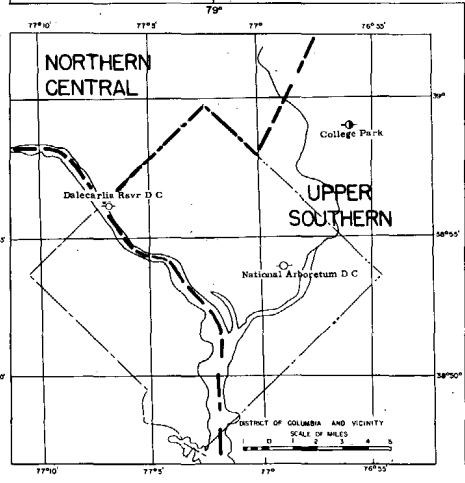


75TH MERIDIAN TIME ZONE



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

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



CD
VALIDATED BY:

Ted Burlew
Jan Carpenter
Betty Edstrom
Bruce Emory
Joyce Morgan
Betty Shuford

DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
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