

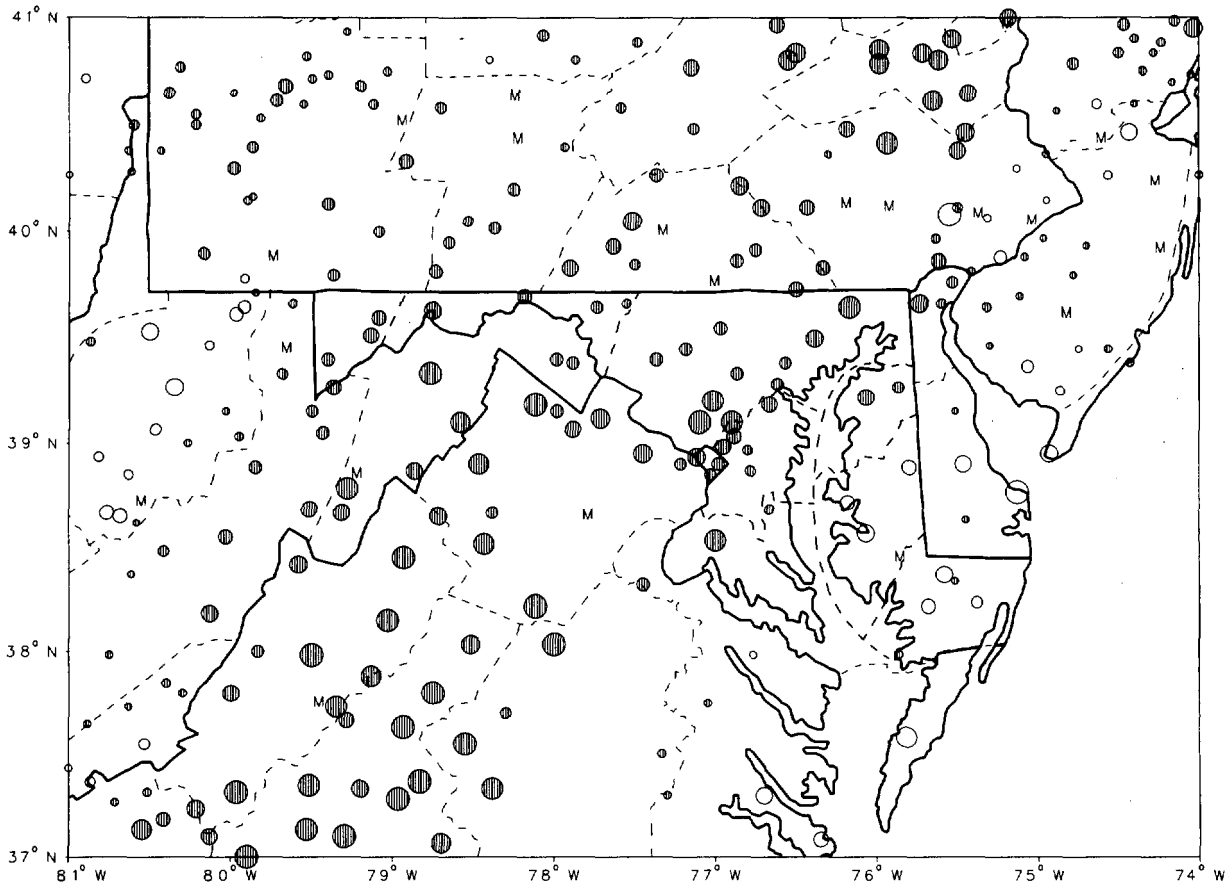


CLIMATOLOGICAL DATA MARYLAND AND DELAWARE

SEPTEMBER 1987
VOLUME 91 NUMBER 9

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. Halpern

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
SEPTEMBER 1987

MARYLAND
HIGHEST TEMPERATURE 94
LOWEST TEMPERATURE 32
GREATEST TOTAL PRECIPITATION 11.09
LEAST TOTAL PRECIPITATION 1.39
GREATEST 1 DAY PRECIPITATION 5.67

SEPTEMBER 10
SEPTEMBER 26

PRINCESS ANNE
OAKLAND 1 SE
CONOWINGO DAM
ASSATEAGUE ISLAND NATL SE
CONOWINGO DAM

SEPTEMBER 8

DELAWARE
HIGHEST TEMPERATURE 91
LOWEST TEMPERATURE 40
GREATEST TOTAL PRECIPITATION 8.46
LEAST TOTAL PRECIPITATION .86
GREATEST 1 DAY PRECIPITATION 2.07

SEPTEMBER 7
SEPTEMBER 26

GREENWOOD 2 NE
GEORGETOWN 5 SW
NEWARK UNIVERSITY FARM
LEWES
WILMINGTON PORTER RESVR

SEPTEMBER 13

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
SEPTEMBER 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				
									90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW				TOTAL	MAX. DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE
MARYLAND																				
SOUTHERN EASTERN SHORE 01																				
ASSATEAGUE ISLAND NATL SE	80.1	63.2	71.7		89 19+	48 27+	8	21	0	0	0	0	1.33							
CRISFIELD SOMERS COVE	79.8	66.7	73.3	1.4	89 10	51 26	3	25	0	0	0	0	4.24		2	37				
PRINCESS ANNE	83.4	59.9	71.7	3.1	93 10	39 26	12	18	1	0	0	0	3.06		1	30				
SALISBURY	81.3	62.4	71.9	2.3	88 9+	45 26	5	21	0	0	0	0	2.44	-1.15		30				
SALISBURY FAA AP	80.2	60.7	70.5	1.9	88 9+	43 26	13	19	0	0	0	0	4.25		1	59				
SNOW HILL 4 N	82.4	60.1	71.3	2.3	89 17+	39 26	7	20	0	0	0	0	3.02	-1.51		9				
--DIVISIONAL DATA-->			71.7	2.1									3.07	-1.52						
CENTRAL EASTERN SHORE 02																				
CAMBRIDGE WTR TRMT PL	82.4	62.5	72.5	3.0	89 17	46 26	4	23	0	0	0	0	2.49	-1.23		8				
DENTON 2 E	82.9	59.9	71.4	2.3	90 17+	41 26	9	20	4	0	0	0	2.66	-1.84		8				
ROYAL OAK 2 SSW	81.0	62.1	71.6	1.3	87 17+	48 26	5	20	0	0	0	0	2.82	-1.90		17				
VIENNA	83.4	60.3	71.9	2.0	90 17	43 26	5	21	1	0	0	0	2.28			8				
--DIVISIONAL DATA-->			71.9	2.2									2.66	-1.99						
LOWER SOUTHERN 03																				
LA PLATA 1 W	78.1	60.8	69.5	.7	86 18	47 26	14	15	0	0	0	0	9.48	6.04	4	76	13			
MECHANICSVILLE 1 E	78.0	60.3	69.2		86 17	43 26	15	14	0	0	0	0	6.05		2	71	2			
OWINGS FERRY LANDING	80.8	61.0	70.9	2.1	87 17	44 26	7	19	0	0	0	0	4.85	1.33	1	68	12			
PATUXENT RIVER	77.3	60.6	69.0		86 17	47 26	20	14	0	0	0	0	6.49		2	75	2			
--DIVISIONAL DATA-->			69.7	.4									6.72	3.22						
UPPER SOUTHERN 04																				
ANNAPOLIS POLICE BRKS	80.2	57.1	68.7		88 17+	42 26	29	14	0	0	0	0	4.18			8				
BALTIMORE WSO AP	78.2	60.3	69.3	.4	86 15+	47 26	15	15	0	0	0	0	7.34	3.88	1	47	18			
BELTSVILLE	79.0	58.1	68.6	1.4	86 16	42 27	33	14	0	0	0	0	7.32	3.61	1	63	13			
COLLEGE PARK	79.7	60.5	70.1	.9	89 16	45 26	18	17	0	0	0	0	7.33	3.77	2	11	3			
DALECARLIA RESVR D C	81.8	62.1	72.0	2.0	88 15	44 25	5	22	0	0	0	0	8.17	4.75	3	62	1			
GLENN DALE BELL STN	81.1	56.9	69.0	1.0	87 15	40 26	20	14	0	0	0	0	5.20	1.54	1	28	8			
LAUREL 3 W	79.6	58.8	69.2	1.4	87 15	47 26	16	15	0	0	0	0	9.33	5.95	2	00	18+			
NATIONAL ARBORETUM D C	80.4	57.4	68.9	1.2	88 16	43 26	18	14	0	0	0	0	6.30	2.72	1	51	13			
UPPER MARLBORO 3 NNW	79.7	58.8	69.3		88 18	42 26	16	15	0	0	0	0	5.54	1.81	1	33	8			
--DIVISIONAL DATA-->			69.5	.8									6.75	3.23						
NORTHERN EASTERN SHORE 05																				
CHESTERTOWN	79.2	61.1	70.2	.9	86 16+	47 26	13	17	0	0	0	0	7.93	4.35	1	23	1			
MILLINGTON 1 SE	79.8	58.7	69.3	1.3	86 9	41 26	12	14	0	0	0	0	6.27	2.48	1	12	1			
--DIVISIONAL DATA-->			69.8	.8									7.10	3.43						
NORTHERN CENTRAL 06																				
ABERDEEN PHILLIPS FLD	79.3	59.4	69.4		85 10+	46 26	7	14	0	0	0	0	8.19							
BALTIMORE WSO CI	79.6	63.8	71.7	.0	89 9	53 26	6	21	0	0	0	0	6.34			8				
BENSON POLICE BARRACKS	80.5	55.6	68.1	.6	86 14+	41 26	16	11	0	0	0	0	9.90	5.72	2	50	8			
BOYDS 2 NW	77.0	58.9	68.0		84 15	45 26	19	11	0	0	0	0	8.74			9	5			
CATOCTIN MOUNTAIN PARK	72.4	57.2	64.8		78 3+	46 25	53	5	0	0	0	0	5.94			6	8			
CLARKSVILLE 3 NNE	79.4	55.3	67.4		83 16+	37 26	34	11	0	0	0	0	8.34			30	8			
CONOWINGO DAM	77.1	54.7	65.9	1.3	85 28	40 26	42	7	0	0	0	0	11.09	7.20	5	67	8			
DAMASCUS 2 SW	76.3	58.7	67.5		84 10	45 26	28	10	0	0	0	0	9.87			11	8			
EMMITSBURG 2 SE	76.4	56.5	66.5		82 10+	39 26	40	9	0	0	0	0	7.84			1	95	8		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
SEPTEMBER 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 MAX	32 OR BELOW MIN	32 OR BELOW MAX	0 OR BELOW MIN				TOTAL	MAX. DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
FREDRICK POLICE BRKS	79.2	66.0	69.6		85	16+	4	158	0	0	0	0	1.06	6	2.10	8	.0	0	10	3	1
ROCKVILLE 1 NE	79.1	66.0	70.2	2.5	87	15+	4	174	0	0	0	0	1.03	6	2.07	8	.0	0	10	3	1
TOWSON	80.6	66.0	71.7		89	15+	4	174	0	0	0	0	1.07	6	2.00	8	.0	0	9	3	3
UNIONVILLE	78.9	66.0	67.7	1.0	85	15+	4	111	0	0	0	0	1.00	6	2.00	8	.0	0	9	3	3
WESTMINSTER POLICE BRK	78.4	66.0	67.3	1.0	91	16	4	81	0	0	0	0	1.74	6	1.80	8	.0	0	7	2	2
WOODSTOCK	78.9	66.0	68.6	1.8	85	14+	4	110	0	0	0	0	1.12	6	3.55	8	.0	0	9	5	1
--DIVISIONAL DATA----->			68.2	.8			17	132	0	0	0	0	3.92	6	3.05	8	.0	0	7	4	2
APPALACHIAN MOUNTAIN 07													4.14				.0	0			
CUMBERLAND 2	77.5	55.2	66.4	-2.2	92	2	40	85	1	0	0	0	6.65	3.73	1.85	8	.0	0	9	6	1
FROSTBURG 2	70.1	55.2	61.8		78	16	39	20	0	0	0	0	2.00		1.91	9	.0	0	11	6	0
HAGERSTOWN	77.9	55.2	68.5	1.7	85	11+	4	33	0	0	0	0	3.28	2.28	1.25	8	.0	0	11	3	1
HANCOCK FRUIT LAB	77.6	54.8	66.2	1.3	84	15+	37	95	0	0	0	0	3.04	3.04	1.90	8	.0	0	9	4	2
--DIVISIONAL DATA----->			65.7	.0			52	22	0	0	0	0	6.13	2.94	1.90	8	.0	0			
ALLEGHENY PLATEAU 08																	.0	0			
MC HENRY 2 NW	70.9	52.3	61.6		79	11	40	22	0	0	0	0	5.60		1.13	8	.0	0	12	5	1
OAKLAND 1 SE	71.8	51.0	61.4	.9	79	11	32	22	0	0	1	0	5.51	2.40	1.06	6	.0	0	13	4	1
SAVAGE RIVER DAM	73.4	52.1	62.8	.8	82	12	38	33	0	0	0	0	6.30	3.31	1.34	8	.0	0	12	5	1
--DIVISIONAL DATA----->			61.9	1.3			94	33	0	0	0	0	5.80	2.64	1.34	8	.0	0			
DELAWARE																	.0	0			
NORTHERN 01																	.0	0			
MIDDLETOWN 3 E	77.4	58.9	68.2		84	16+	43	123	0	0	0	0	4.41		.95	8	.0	0	8	4	0
NEWARK UNIVERSITY FARM	78.4	57.8	68.1	.2	85	16	41	125	0	0	0	0	4.46	4.85	1.96	8	.0	0	9	5	3
WILMINGTON WSO AP	76.9	53.7	68.3	.4	84	10+	44	129	0	0	0	0	4.85	1.26	1.37	13	.0	0	7	3	3
WILMGTN PORTER RESVR	76.7	60.1	68.4	1.5	85	10	46	132	0	0	0	0	6.13	2.32	2.07	13	.0	0	11	4	2
--DIVISIONAL DATA----->			68.3	.5			23	132	0	0	0	0	5.96	2.37	2.07	13	.0	0			
SOUTHERN 02																	.0	0			
DOVER	81.1	61.4	71.3	1.7	87	18+	43	199	0	0	0	0	4.24	.10	.90	8	.0	0	9	3	0
GEORGETOWN 5 SW	80.6	59.3	70.0	1.6	88	8	40	171	0	0	0	0	3.85	.34	1.66	9	.0	0	8	2	1
GREENWOOD 2 NE	80.9	60.0	70.5		91	7	42	181	1	0	0	0	2.12		.72	8	.0	0	6	1	0
LEWES	79.0	63.6	71.3	2.9	87	17	48	200	0	0	0	0	1.86	-2.40	.29	13	.0	0	4	0	0
MILFORD 4 SE	79.5	60.8	70.2	1.4	88	17	41	171	0	0	0	0	2.62	-1.13	.93	8	.0	0	7	2	0
--DIVISIONAL DATA----->			70.7	2.0			6	171	0	0	0	0	2.74	-.93	.93	8	.0	0			

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
SEPTEMBER 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	1.39	.14						.37	.14				.07	.19				.08		.14	.01	.10									.15	
CRISFIELD SOMERS COVE	4.24						.45					2.01	.60				.25		.30		.34									.29		
PRINCESS ANNE	3.06	.07					.36					1.30	.60				.14		.23		.14									.22		
SALISBURY	2.44	.01					.39					.82	.70				.12		T		.13									.15		
SALISBURY FAA AP	4.25	.04			T		1.59				T	1.24	.63				.21		.08		.09									.34		
SNOW HILL 4 N	3.02	.09					.89					.95	.83						.02		.14		T							.10		
CENTRAL EASTERN SHORE 02																																
CAMBRIDGE WTR TRMT PL	2.49					.11	.54					.82	.32				.20		.32	.27	.13	.03							.35			
DENTON 2 E	2.66	.03				.06	.53					.40	.26			.05		.32	.27	.13		.21	.05						.35			
ROYAL OAK 2 SSW	2.82					.12	.03	.55				.53	.40					.56	.32	.27	.13	.08		.04					.34			
VIENNA	M 2.28						.84					.59	.37					.21		.27									-			
LOWER SOUTHERN 03																																
LA PLATA 1 W	9.48	.14			T	.65	.11	.25	.08			2.00	4.76					.35		.68	.05									.41		
MECHANICSVILLE 1 E	6.05	T			T	.53	.12	.45	.04			2.71	1.06					T	T	.59	.10									.45		
OWINGS FERRY LANDING	4.85	.14				.39	.14	.86	.03			1.68	.57	.04				T	.01	T	.46	.12	.01						.40			
PATUXENT RIVER	6.49					.05	.06	.71	.06			2.75	1.69					.59	.02	.15	.16				T				.25			
UPPER SOUTHERN 04																																
ANNAPOLIS POLICE BRKS	4.18					.48	.02	.84	.17			.37	.78					.03	.07	.45	.22	.16	.03							.56		
BALTIMORE WSO AP	7.34				.10	.56	.05	1.27			.01	.98	.44		1.00	.20	.93	1.47	.10	.09	.02	T								.12		
BELTSVILLE	7.32					.25	.65	.13		T	T	.59	1.63	.75		.09	.04	1.23	.06	.30	.03	T								.15		
COLLEGE PARK	7.33					.73	.32	.07	1.28			.53	2.11	.29		.10	.10	1.14	.07	.31	.11									.17		
DALECARLIA RESVR D C	8.17				.12	.86	1.69					.93	3.62	.02		.01	.18	.02	.33	.02										.19		
GLENN DALE BELL STN	5.20					.86	.15	1.28	.14			.46	.98	.07		.12	.01	.51	.04	.30	.07	T								.21		
LAUREL 3 W	9.33				.19	.70	.04	1.98			*	2.00	1.23		.50	.18	.08	2.00	.13	.20	.10									.18		
NATIONAL ARBORETUM D C	6.30					.25	.70	.21	1.29			.89	1.51	.13		.05		.61		.30	.18									.47		
UPPER MARLBORO 3 NNW	5.54					.15	.81	.07	.77			.70	.74	.04		.02		1.33		.23	.06	.15									.18	
NORTHERN EASTERN SHORE 05																																
CHESTERTOWN	7.93	1.23			T	.40	.97					.81	1.22		.54	.11	.33	1.05	.09	.02	.51									.65		
MILLINGTON 1 SE	6.27	1.12				.20	.02	.64	.07			.09	1.05			.66	.09	1.05		.06	.46									.77		
NORTHERN CENTRAL 06																																
ABERDEEN PHILLIPS FLD	8.19	.22			*	*	1.56	2.10				*	*	2.91		.11	.01	1.03	.02	*	.05	.04								.14		
BALTIMORE WSO CI	6.34				.01	.48	2.50					1.07	.83	2.91	.16	.03	.52	.46		.14										.14		
BENSON POLICE BARRACKS	9.90					.52	.17	1.24	2.23			1.00	2.22	.92		.20	.02	.98	.03	.03	.07	.18								.09		
BOYDS 2 NW	8.74					.53	1.00	3.55				.51	.27		.33	.04	.44	1.24	.02	.38	.12	.14								.17		
BRIGHTON DAM	10.23	.01			.20	.60	.01	4.00			.01	1.90	.40		.33	.50	.60	.90	.20	.30	.10	.02								.15		
CATOCTIN MOUNTAIN PARK	5.94	.14		.01	.02	.20	.64	1.63	.02			.20	.61		.01	.46	.07	1.61	.01	.25	.06								T	.40		
CLARKSVILLE 3 NNE	8.34	.22				.54	.03	2.90	.15			2.43				.17	.90	.01	.29	.15										.09		
CONOHINGO DAM	11.09	.05			T	.70	.56	5.67				T	2.71		T	.10	.93	.13	.14	.03	T									.07		
DAMASCUS 2 SW	9.87	.06			T	.75	1.75	3.11				.38	.63		.79		.48	.91	.13	.70	.03	T	T							.15		
EMHITSBURG 2 SE	7.84	.41				.85	1.40	1.95				.15	.68			.14	.05	1.52	.02	.30	.02									.15		
FREDRICK POLICE BRKS																																
FREDRICK 3 E	6.36	.05				.75	.84	2.10	.05			.30	.48			.46	.05	.39		.35	.33	.03	T							.18		
POTOMAC FILTER PLANT	6.39	T				.30	.58	.21	2.26			.45		T		.35	.06	.80		.39	.34			.03						.21		
ROCKVILLE 1 NE	8.42				.10	.50	.06	3.95				.11	.74	.52		.17	.03	.05	1.52	.20	.30	.02								.15		
TOWSON	10.00				.13	.54	T	4.07		T		1.24	.37		.51	.44	1.82	.03	.15	.30	.15	.02								.04		
UNIONVILLE	6.76					.68	.03	2.00	.28			.09	1.04			.50	.03	.01	.70	.13	.01	.52	.70							.15		
WESTMINSTER POLICE BRK																																
WOODSTOCK	6.25	.41				.85	1.40	1.80					.40		.03	.21	.55	.06	.03	.65	.07									.12		
	6.95					.72	.62	3.55					.73			.14	.06	.61	.01	.16	.20	.02					.04				.09	
	6.92	T				.60	.01	3.05	.02			.24	1.56					.81	.01	.24	.05									.09		

SEE REFERENCE NOTES FOLLOWING STATION INDEX
5

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
SEPTEMBER 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	6.65	T				.87	.54	1.85	.42			.57	.98					T	.57	T	.40	T		.02			.08					
EDGEMONT	5.38	.27				.23	.34	.27	1.57			.10	.25	.03			.10	T	1.58	.14	.03			.07								
FROSTBURG 2	6.04	.03				.69	.71	.85	.91			.42	.34	T			T	.45	.11	.66	.05	.08	.02		.19							
HAGERSTOWN	5.58			T		.46	.45	.22	1.25	T		.85	.08	.03	.27			.11	.94	.02	.33	T	.12									
HANCOCK FRUIT LAB	6.26					.77	.20	1.90				1.81	.07					.18	.20	.02	.41	T	.14	.03								
ALLEGHENY PLATEAU 08																																
MC HENRY 2 NH	5.60	.22				.59	.16	1.13	.21			.65	.09	T			.05	.21	.19	.82	.25	.02	.16			.02						
MERRILL	5.61	.08				.65	.36	1.45	.20			.68	.36					.62	.15	.17	.14		.05			.15						
OAKLAND 1 SE	5.51	.13				1.06	.59	.75	.06	.04	.15	.33	.19				.60	.40	.10	.36		.16	.03			.03						
SAVAGE RIVER DAM	6.30				.08	.95	.42	1.34	.17			.93	.67					.72	.13	.18	.17	.02	.12			.06	.02					
DELAWARE NORTHERN 01																																
MIDDLETOWN 3 E	4.41	.26				.29		.95	.08			.05	.69	.03		.10		.83	.62	.07		.02										
NEWARK UNIVERSITY FARM	8.46	1.70				.36	.05	1.96	.84			.03	1.56	.01		T	T	.08	.76	.46	.03	.05	.38									
WILMINGTON HSO AP	4.85	.09			T	.24	.07	1.26				.17	1.37			T		.03	1.08	.02	T	.26	.04									
WILMINGTON PORTER RESVR	6.13	.19				.11	.32	.43	T			.21	2.07			T		.54	1.40	.02	T	T	.55			T	.10					
SOUTHERN 02																																
DOVER	4.24	.30				.08	.04	.90	.03			.30	.42				.33		.71	.10	.60	.09	.05									
GEORGETOWN 5 SW	3.85					.03		.40	1.66				.69	.26				.03	.03	.17	.38		.13									
GREENHOOD 2 NE	2.12							.72				.22	.44				.03	.02	.12	.39	.05		.02									
LEWES	.86	.03						.15				.09	.29	T					.15	T		T										
MILFORD 4 SE	2.62							.93				.23	.58				.03		.45	.14	.05		.11									

SEE REFERENCE NOTES FOLLOWING STATION INDEX
6

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
SEPTEMBER 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		
MARYLAND																																				
SOUTHERN EASTERN SHORE																																				
ASSATEAGUE ISLAND NATL SHORE	01																																			
	07	MAX	80	83	81	82	76	80	80	81	77	86	76	82	79	79	82	87	89	89	89	70	70	76	82	83	80	70	77	80	79	78				
		MIN	65	60	62	64	67	69	70	72	69	67	63	69	69	68	65	70	67	69	64	63	59	63	54	56	58	48	48	61	56	62				
CRISFIELD SOMERS COVE	17	MAX	78	80	79	77	76	84	85	82	84	86	84	82	80	84	82	83	84	84	82	73	75	77	76	75	74	73	80	81	78	75				
		OBS																																		
		MIN	69	64	65	64	68	72	71	73	73	71	67	68	72	72	70	70	75	71	66	62	62	66	62	66	60	51	59							
		OBS																																		
PRINCESS ANNE	17	MAX	82	84	83	80	78	82	88	83	88	94	87	84	85	86	87	86	88	88	86	84	82	80	79	77	76	75	83	84	82	80				
		MIN	65	53	59	53	61	68	65	71	67	63	64	65	64	65	62	66	74	68	66	58	60	57	53	49	50	39	49	52	51	59				
SALISBURY	17	MAX	86	83	83	79	77	82	88	83	88	86	85	81	79	86	86	85	86	85	83	69	75	79	77	77	75	74	82	83	82	76				
		MIN	65	55	63	56	60	68	68	71	69	66	65	68	70	68	64	68	73	67	64	61	61	60	56	55	57	45	54	58	56	61				
SALISBURY FAA AP	MID	MAX	80	82	81	77	76	82	87	81	88	86	85	81	79	86	87	86	86	85	71	69	77	80	73	77	71	75	81	83	80	73				
		MIN	57	54	60	55	61	69	67	71	68	65	64	68	72	66	63	68	70	67	64	61	60	58	55	52	46	43	52	53	51	60				
SNOW HILL 4 N	18	MAX	84	84	82	77	77	84	89	83	88	88	85	81	81	85	88	88	89	87	86	69	76	82	79	79	76	77	82	85	82	78				
		MIN	64	51	59	55	60	69	65	74	68	62	63	68	71	67	60	65	71	68	65	61	58	58	52	52	54	39	50	51	50	54				
CENTRAL EASTERN SHORE																																				
CAMBRIDGE WTR TRMT PL																																				
	16	MAX	80	85	83	83	79	79	87	88	86	87	86	86	85	85	88	88	89	84	85	69	74	78	78	79	78	76	81	84	82	80				
		MIN	66	55	64	59	63	66	69	71	69	66	66	67	71	67	63	64	71	65	63	61	62	59	60	54	59	46	54	56	57	63				
DENTON 2 E	17	MAX	85	87	83	78	77	81	89	84	90	87	86	84	90	87	89	90	90	86	79	70	77	80	75	79	76	76	84	86	83	78				
		MIN	61	48	58	50	50	63	68	71	69	64	64	70	72	66	60	64	71	66	62	59	59	55	52	52	56	41	51	57	55	62				
ROYAL OAK 2 SSW	18	MAX	81	83	82	81	79	81	87	83	86	85	87	86	82	85	87	85	87	85	76	68	76	79	74	77	70	75	81	83	81	77				
		MIN	62	53	60	54	55	66	71	72	66	65	65	68	71	68	63	67	68	65	62	60	61	58	58	60	57	48	57	59	60	66				
VIENNA	18	MAX	83	83	82	80	80	81	88	88	89	88	85	85	86	89	89	87	90	88	80	70	78	80	82	82	78	78	84	86	83	80				
		OBS																																		
		MIN	62	55	60	53	56	64	69	70	68	63	65	66	70	66	62	67	71	66	61	59	59	58	54	54	53	43	44	56	54	61				
		OBS																																		
LOWER SOUTHERN																																				
LA PLATA 1 W																																				
	18	MAX	79	83	79	77	75	79	81	81	84	82	84	81	78	79	83	84	85	86	70	65	73	75	70	75	68	73	78	81	79	75				
		MIN	60	52	57	58	58	62	71	71	67	67	61	65	68	65	61	63	64	65	62	61	60	57	52	62	56	47	53	58	60	61				
MECHANICSVILLE 1 E	19	MAX	79	82	78	76	75	78	82	79	85	82	83	79	79	82	84	84	86	83	74	65	75	76	71	75	70	72	78	80	78	71				
		MIN	61	50	57	55	58	65	71	72	67	64	63	64	71	66	61	64	70	66	64	62	60	56	52	53	54	43	51	54	52	62				
OWINGS FERRY LANDING	17	MAX	81	85	84	78	79	78	82	83	86	85	84	83	82	83	86	85	87	85	82	65	76	78	76	77	77	75	81	83	81	78				
		MIN	61	50	58	55	55	64	71	72	67	64	65	70	71	66	62	65	70	66	63	60	61	58	54	53	57	44	54	55	56	63				
PATUXENT RIVER	MID	MAX	78	80	77	78	73	78	82	78	85	82	80	78	82	81	85	84	86	84	69	65	73	75	70	75	67	72	76	80	76	70				
		MIN	63	58	63	62	62	65	69	66	66	66	64	64	66	64	63	66	62	65	60	59	60	58	54	53	49	47	53	56	56	58				
UPPER SOUTHERN																																				
ANNAPOLIS POLICE BRKS																																				
	17	MAX	81	84	84	80	77	78	84	83	88	88	85	85	82	84	84	85	88	86	85	59	73	76	75	78	72	67	79	82	81	73				
		MIN	58	48	58	56	55	60	68	67	63	59	62	67	66	62	60	60	65	60	56	55	55	55	47	50	53	42	52	52	51	51				
BALTIMORE WSO AP	MID	MAX	78	82	78	76	73	72	82	76	86	83	83	80	82	85	86	84	84	83	65	66	75	76	73	77	69	74	80	83	81	75				
		MIN	56	51	60	57	58	63	72	69	67	66	66	71	70	66	63	64	66	65	60	59	61	57	53	53	51	47	53	55	56	54				
BELTSVILLE	08	MAX	79	78	85	80	78	74	75	83	78	85	84	84	82	83	85	86	85	85	84	64	65	76	72	73	77	69	75	81	83	81				
		MIN	61	46	56	53	54	60	63	70	67	65	64	69	69	65	61	62	65	65	59	59	50	58	53	50	55	43	42	52	52	55				
COLLEGE PARK	09	MAX	82	72	87	82	76	71	75	78	79	86	85	84	83	84	85	89	86	87	86	62	65	77	77	75	79	71	78	83	85	83				
		MIN	65	49	53	56	53	59	61	68	69	67	66	71	70	67	63	64	68	67	61	57	60	59	55	55	59	45	54	54	57	63				
DALECARLIA RESVR D C	17	MAX	80	85	82	79	78	77	84	82	86	85	86	83	83	86	88	85	87	81	79	77	77	74	79	77	76	82	86	85	87	78				
		OBS																																		
		MIN	61	55	57	63	55	61	66	69	64	66	70	62	66	71	61	70	66	66	58	61	58	69	63	58	44	51	64	68	64	57				
		OBS																																		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
SEPTEMBER 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	80 48	85 44	85 53	79 51	77 51	73 61	81 66	82 70	86 65	86 63	85 62	84 68	82 68	85 63	87 59	85 60	86 66	86 64	85 59	64 58	76 60	79 56	77 50	78 48	78 45	74 40	80 50	83 50	84 50	81 59	81.1 56.9		
LAUREL 3 W	MID	MAX OBS MIN OBS	79 58	84 54	81 56	77 54	78 55	73 55	81 67	76 66	85 65	85 68	84 64	83 66	84 66	86 66	87 61	85 62	84 62	85 62	85 62	71 52	71 55	76 57	76 55	74 50	79 54	70 54	76 47	82 59	84 52	81 62	72 56	79.6 58.8	
NATIONAL ARBORETUM D C	08	MAX MIN	81 58	80 47	84 48	81 53	78 54	74 59	77 61	84 69	79 65	86 65	85 63	85 64	82 67	84 62	85 60	88 60	87 63	87 63	86 59	68 57	65 58	78 56	77 53	74 53	78 54	75 43	75 45	83 53	84 54	83 56	80.4 57.4		
UPPER MARLBORO 3 NNW	08	MAX MIN	80 60	80 52	83 54	78 52	78 53	76 59	78 65	82 70	79 65	86 65	84 63	85 66	82 70	82 66	84 60	87 61	85 63	88 65	85 62	66 60	65 60	76 56	77 53	74 51	78 54	71 42	75 50	81 52	84 52	81 62	79.7 58.8		
NORTHERN EASTERN SHORE	05																																		
CHESTERTOWN	23	MAX MIN	79 59	84 54	81 59	78 54	74 56	75 62	86 70	79 70	85 69	86 66	85 64	82 70	79 67	84 62	85 62	86 65	84 67	83 65	65 60	68 58	75 62	77 57	73 55	76 59	69 53	75 47	82 54	84 56	83 62	73 62	79.2 61.1		
MILLINGTON 1 SE	18	MAX OBS MIN OBS	79 51	83 48	82 55	78 51	75 52	75 63	85 70	81 70	86 68	85 62	84 62	81 69	85 71	85 63	82 59	85 63	85 67	82 65	78 59	68 60	74 60	78 56	74 52	76 54	74 56	82 41	82 49	83 52	81 55	77 61	79.8 58.7		
NORTHERN CENTRAL	06																																		
ABERDEEN PHILLIPS FLD	16	MAX OBS MIN OBS	78 60	82 47	82 58	79 50	77 54	75 62	82 68	77 70	85 66	85 63	83 62	82 68	79 68	84 62	84 63	84 64	84 65	79 66	77 58	70 58	74 62	75 57	73 52	76 54	75 57	75 46	81 52	81 52	79 63	79.3 59.4			
BALTIMORE WSO CI	MID	MAX MIN	77 65	86 60	79 62	76 61	72 61	73 62	82 72	74 72	89 68	85 71	85 70	79 71	84 72	88 72	86 67	84 68	86 68	87 64	64 59	66 58	77 62	78 60	77 56	80 60	71 58	78 53	81 59	86 63	80 62	77 59	79.6 63.8		
BENSON POLICE BARRACKS	17	MAX MIN	78 57	85 45	84 54	81 49	79 49	73 57	81 64	79 65	86 63	85 59	85 65	81 65	86 62	85 56	85 60	85 62	84 61	84 61	78 54	78 54	76 56	78 51	74 50	77 51	76 49	77 41	81 48	84 48	82 51	79 58	80.5 55.6		
BOYDS 2 NW	18	MAX MIN	75 59	82 52	77 52	76 56	73 56	70 60	78 64	77 68	81 65	82 65	80 67	80 67	82 65	84 60	80 60	81 62	80 63	80 63	75 58	62 58	73 58	70 55	75 52	74 50	80 52	74 51	80 56	82 55	79 57	74 59	77.0 58.9		
CATOCTIN MOUNTAIN PARK	17	MAX MIN	78 54	78 48	78 54	76 53	70 53	70 59	72 57	69 65	75 64	77 65	76 62	74 65	74 64	76 59	76 63	76 62	76 62	76 62	70 54	57 54	67 57	67 54	70 50	64 46	69 47	74 52	75 59	73 56	73 56	72.4 57.2			
CLARKSVILLE 3 NNE	17	MAX MIN	77 56	84 41	83 50	78 46	76 47	73 59	81 68	79 69	86 62	85 60	85 60	81 68	82 68	83 60	84 56	84 58	83 61	82 63	83 58	76 56	76 53	81 50	78 45	76 47	81 37	81 45	83 49	79 49	77 59	79.4 55.3			
CONOWINGO DAM	MID	MAX OBS MIN	76 51	82 46	81 53	77 47	72 49	71 59	80 66	76 65	83 62	81 60	81 59	77 56	78 66	82 62	79 56	80 61	78 63	78 60	64 54	68 55	71 57	73 52	77 50	68 46	75 40	79 46	85 46	79 51	84 52	77.1 54.7			
DAMASCUS 2 SW	19	MAX MIN	76 59	83 53	77 55	76 53	70 54	69 60	77 65	72 69	82 65	84 64	82 63	78 68	80 60	83 61	83 63	80 61	81 60	81 63	69 58	61 57	74 58	73 55	70 50	76 53	67 51	73 45	80 55	81 57	79 57	70 59	76.3 58.7		
EMMITSBURG 2 SE	17	MAX MIN	78 56	82 44	81 55	76 54	67 49	67 60	74 64	73 67	82 64	82 59	81 60	79 68	81 62	81 60	80 65	80 64	80 65	78 57	61 57	73 58	73 52	70 53	76 50	75 46	72 39	77 47	80 49	77 51	76 60	76.4 56.5			
FREDRICK POLICE BRKS	17	MAX MIN	82 63	83 52	84 60	79 55	77 54	69 61	75 64	76 69	84 67	85 65	84 63	80 69	82 69	83 63	84 69	85 63	83 69	83 69	76 69	75 67	78 60	83 62	81 65	82 65	78 58	75 58	80 60	83 55	80 46	78 61	79.2 60.0		
ROCKVILLE 1 NE	17	MAX MIN	78 59	83 49	80 58	77 55	74 56	76 64	84 70	76 71	85 71	85 66	83 72	83 71	86 66	87 63	84 66	87 63	84 66	84 66	71 62	64 61	75 60	75 57	73 50	77 56	68 57	75 44	81 54	84 55	81 62	73 59	79.1 61.2		
TOWSON	18	MAX OBS MIN OBS	88 73	86 53	80 68	82 68	86 50	71 68	81 68	80 67	83 71	84 69	85 67	89 63	81 79	88 70	84 68	80 62	84 67	80 61	80 63	70 63	69 63	87 60	87 60	81 58	87 46	81 57	81 58	79 54	80 57	78 57	80.6 62.8		
UNIONVILLE	18	MAX MIN	78 56	85 43	83 53	79 59	68 58	68 61	76 64	75 70	82 66	84 60	80 67	82 53	81 59	83 57	82 54	81 55	81 62	82 55	81 55	69 49	74 58	74 51	72 46	75 46	75 38	73 46	79 46	84 46	79 47	78 51	78.2 54.3		
WESTMINSTER POLICE BRK	17	MAX OBS MIN	76 56	82 51	82 52	76 52	74 51	69 56	78 63	79 66	82 64	83 63	82 61	83 65	80 65	81 64	82 56	81 59	84 62	81 61	81 53	66 53	73 55	73 51	70 45	74 51	76 43	71 49	78 53	81 55	81 55	84 57	78.4 56.2		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
SEPTEMBER 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
WOODSTOCK	18	MAX	77	83	80	80	73	72	80	78	85	85	84	80	81	85	84	84	84	82	77	65	75	77	73	77	73	75	81	83	81	74	78.9
		MIN	60	45	52	51	52	61	69	70	65	63	63	69	69	65	59	61	64	65	58	58	60	55	52	52	52	41	51	51	53	60	58.2
APPALACHIAN MOUNTAIN	07																																
CUMBERLAND 2	18	MAX	78	92	83	79	73	67	71	78	83	85	83	77	82	83	84	77	79	79	74	64	74	69	70	76	71	76	82	83	79	74	77.5
		MIN	46	47	53	54	55	61	64	65	59	59	63	67	60	56	56	61	64	64	58	59	53	53	52	49	40	41	48	48	52	48	55.2
FROSTBURG 2	07	MAX	76	66	74	71	71	59	63	68	68	76	76	75	71	75	76	78	74	77	71	67	59	69	62	62	67	59	68	75	76	73	70.1
		MIN	54	46	46	50	50	53	56	61	64	55	57	62	63	59	54	54	58	62	61	55	53	50	50	51	45	39	40	51	51	53	53.4
HAGERSTOWN	18	MAX	78	84	78	81	79	65	72	75	81	85	85	79	83	83	83	82	81	80	77	63	76	73	71	78	70	76	80	83	80	75	77.9
		MIN	58	51	56	64	54	60	64	68	64	61	62	68	63	58	69	63	65	65	58	58	60	52	50	52	50	45	55	55	59	62	59.0
HANCOCK FRUIT LAB	16	MAX	84	80	80	78	75	65	72	75	83	82	81	80	81	84	84	82	79	80	79	64	75	73	71	76	74	75	78	82	80	77	77.6
		MIN	51	41	51	48	47	48	63	67	60	58	58	67	68	58	59	60	63	64	58	58	58	55	45	46	44	37	46	56	49	60	54.8
ALLEGHENY PLATEAU	08																																
MC HENRY 2 NW	08	MAX	74	74	72	75	71	60	69	68	74	74	79	78	73	73	76	76	73	75	66	63	65	68	62	59	66	61	68	77	78	75	70.9
		MIN	48	45	47	50	52	52	55	63	61	56	59	61	61	55	55	56	60	60	58	55	51	46	46	47	42	40	42	42	51	52	52.3
OAKLAND 1 SE	17	MAX	73	73	74	72	69	71	70	73	75	75	76	77	75	76	77	75	75	72	67	66	66	66	62	66	61	66	76	75	75	71.8	
		MIN	50	38	44	43	51	55	61	63	63	54	54	61	62	55	48	52	57	62	60	55	50	45	49	50	42	32	38	39	45	53	51.0
SAVAGE RIVER DAM	08	MAX	78	70	76	76	75	75	65	70	73	79	80	82	72	78	78	80	75	78	70	70	64	72	65	66	69	64	72	78	78	74	73.4
		MIN	52	42	42	47	47	47	58	62	62	57	57	60	64	56	52	52	63	61	61	57	52	50	50	53	46	38	38	45	45	48	52.1
DELAWARE																																	
NORTHERN	01																																
MIDDLETOWN 3 E	17	MAX	77	83	77	77	77	73	83	77	84	83	83	77	80	83	80	84	82	78	64	66	73	76	73	76	67	73	79	83	80	73	77.4
		MIN	57	49	58	54	53	63	69	70	66	63	61	69	71	63	59	67	66	64	58	57	59	55	51	52	53	43	51	54	55	58	58.9
NEWARK UNIVERSITY FARM	17	MAX	75	82	81	78	77	73	82	79	84	84	84	78	80	79	82	85	82	81	74	68	74	77	70	75	73	77	79	83	82	74	78.4
		MIN	57	48	59	49	51	61	69	69	66	62	61	68	71	67	57	64	68	65	56	56	59	54	46	47	47	41	54	51	54	57	57.8
WILMINGTON WSO AP	MID	MAX	75	81	78	75	76	73	82	78	84	84	82	76	80	83	81	81	81	80	63	67	73	75	71	75	68	73	77	82	78	74	76.9
		MIN	56	52	58	53	55	63	71	71	68	65	64	69	69	65	60	67	69	62	58	58	59	54	52	55	50	44	54	55	57	57	59.7
WILMGTN PORTER RESVR	MID	MAX	74	79	75	77	78	81	83	75	84	85	83	73	79	82	81	82	79	80	63	66	72	74	72	72	68	71	77	81	79	74	76.7
		MIN	58	54	59	56	56	62	70	71	68	66	65	67	69	68	60	65	65	59	56	56	59	54	54	58	51	46	57	56	59	59	60.1
SOUTHERN	02																																
DOVER	17	MAX	80	85	85	82	77	78	86	81	87	84	84	85	82	84	86	82	83	87	78	72	74	79	78	78	75	78	80	86	82	74	81.1
		MIN	62	51	60	55	57	65	69	70	68	64	64	70	70	67	65	66	70	67	60	60	61	58	53	53	55	43	52	60	63	64	61.4
GEORGETOWN 5 SW	08	MAX	81	81	85	80	77	79	83	88	81	86	83	84	83	80	83	86	87	87	84	75	69	77	80	73	76	70	75	81	84	81	80.6
		MIN	55	49	60	50	54	64	66	70	69	63	64	66	67	66	61	65	70	65	67	60	61	57	54	51	54	40	50	50	52	60	59.3
GREENWOOD 2 NE	18	MAX	80	84	80	77	75	86	91	82	86	84	85	83	81	85	87	86	88	84	83	69	76	79	75	76	70	75	82	84	82	71	80.9
		MIN	62	49	60	51	51	65	69	71	68	64	64	69	67	65	61	64	72	66	62	60	60	57	54	53	54	42	52	55	55	58	60.0
LEWES	17	MAX	78	80	78	76	75	81	84	82	84	81	81	83	78	81	82	82	87	80	78	67	73	77	77	78	76	76	78	84	80	74	79.0
		MIN	64	55	65	65	64	68	70	72	70	67	65	65	72	69	64	68	73	67	65	60	63	59	56	57	59	48	55	61	60	62	63.6
MILFORD 4 SE	17	MAX	81	86	82	75	75	81	87	80	87	84	81	82	80	83	80	88	88	82	75	67	72	77	74	77	73	75	78	84	81	77	79.5
		MIN	51	49	61	60	62	67	68	70	69	64	64	70	71	68	68	65	65	66	64	60	61	56	54	53	56	41	52	56	56	57	60.8
		OBS																															

SEE REFERENCE NOTES FOLLOWING STATION INDEX

EVAPORATION AND WIND

MARYLAND AND
DELAWARE
SEPTEMBER 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	45	55	30	33	28	38	14	20	24	25	8	26	24	9	12	13	5	13	25	12	2	4	21	27	34	38	22	5	9	29		
	EVAP	15	32	26	24	22	7	0	7	-	19	13	23	-	-	18	17	12	23	27	-	0	6	20	6	28	40	4	8	17	14		
	MAX	78	84	88	87	84	72	73	84	78	91	89	88	85	86	91	90	90	87	85	86	66	80	83	78	81	82	60	85	86	84		
	MIN	64	55	60	59	59	62	65	72	70	70	70	69	75	70	66	66	67	69	65	59	62	63	57	56	56	51	52	51	58	58		
UPPER MARLBORO 3 NNW																																	
	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	EVAP	9	20	19	19	15	5	-	7	2	16	10	14	11	6	14	17	11	25	12	7	3	11	14	14	15	20	14	13	14	16		
	MAX	80	75	86	86	82	74	76	84	79	90	86	89	85	84	89	90	89	88	86	69	66	80	81	78	80	76	78	83	84	84		
	MIN	57	60	58	53	61	62	68	75	73	72	72	72	75	73	70	70	70	71	69	64	63	65	61	60	59	54	52	60	62	64		
DELAWARE																																	
NORTHERN 01																																	
NEWARK UNIVERSITY FARM	WIND	45	24	32	19	31	33	16	45	44	18	15	63	28	18	26	18	10	14	42	30	11	13	41	40	39	22	19	16	12	23		
	EVAP	*	66	21	20	14	6	5	-	-	19	18	1	-	2	11	27	12	16	11	20	*	15	7	15	13	27	15	*	15	-		
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SOUTHERN 02																																	
GEORGETOWN 5 SW	WIND	83	60	70	44	20	71	54	53	96	39	27	46	67	45	44	36	57	67	78	69	42	27	39	58	66	61	47	21	40	65		
	EVAP	16	31	25	23	19	17	14	24	-	-	20	10	20	-	-	20	16	22	12	1	48	11	30	8	21	31	10	15	20	26		
	MAX	81	84	84	85	84	83	82	89	82	91	88	90	82	83	88	88	92	91	87	72	74	79	82	78	80	76	77	84	85	84		
	MIN	67	60	64	61	61	60	70	74	72	71	71	70	73	71	69	72	73	70	68	62	64	64	59	59	58	49	48	60	62	64		

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
SEPTEMBER 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	001933	06	HARFORD	39 28	76 10W	57	16	16		C	H	ROSS AVIATION POLICE INC	
ANNAPOLIS POLICE BRKS	003335	01	ANNE ARUNDEL	38 59	76 30W	25	17	17			H	ANNAPOLIS POLICE BRKS	
ASSATEAGUE ISLAND NATL	004650	04	WORCESTER	38 14	75 8W		07	07			H	NATIONAL PARK SERVICE	
BALTIMORE WSO AP	004700	06	ANNE ARUNDEL	39 11	76 40W	196	MID	MID		C	C	NATL WEATHER SERVICE	
BALTIMORE WSO CI	004700	06	BALTO CITY	39 17	76 37W	91	MID	MID			H	OCMI COMMANDING OFFICER	
BELTSVILLE	070000	04	PRN GEORGES	39 2	76 53W	120	08	08		O	B	C	U S DEPT OF AGRICULTURE
BENSON POLICE BARRACKS	073206	06	HARFORD	39 30	76 23W	365	17	17				H	MARYLAND STATE POLICE
BOYDS 2 NW	103206	06	MONTGOMERY	39 13	77 20W	580	18	18				H	HUNTER F STALEY
BRIGHTON DAM	112506	06	MONTGOMERY	39 12	77 1W	330		MID				H	WASH SUB SANY COMM
CAMBRIDGE WTR TRMT PL	138502	02	DORCHESTER	38 34	76 4W	5	16	16				H	WASTEWATER TRMT PLANT
CATOCTIN MOUNTAIN PARK	153006	06	FREDERICK	39 39	77 29W	1610	17	17		C	H	H	CATOCTIN MOUNTAIN PARK
CENTREVILLE	162705	05	QUEEN ANNES	39 3	76 4W	60	17	17				H	INACTIVE 02/01/86
CHESTERTOWN	175005	05	KENT	39 13	76 4W	40	23	23				H	THOMAS W ELIASON JR
CLARKSVILLE 3 NNE	186206	06	HOWARD	39 15	76 56W	365	17	17				H	UNIVERSITY OF MARYLAND
COLLEGE PARK	199504	04	PRN GEORGES	38 59	76 57W	90	09	09		C	H	H	UNIVERSITY OF MARYLAND
CONOWINGO DAM	206006	06	HARFORD	39 39	76 10W	40	MID	MID				H	SUSQUEHANNA ELECTRIC CO
CRISFIELD SOMERS COVE	221501	01	SOMERSET	37 59	75 52W	8	17	17				H	SOMERS COVE MARINA
CUMBERLAND 2	228207	07	ALLEGANY	39 38	78 45W	730	18	07				H	TIMOTHY B THOMAS
DALECARLIA RESVR D C	232504	04		38 56	77 7W	146	17	17				H	U S CORPS OF ENGINEERS
DAMASCUS 2 SW	233506	06	MONTGOMERY	39 16	77 14W	720	19	19				H	RICHARD W SCHWERDT
DENTON 2 E	252300	02	CAROLINE	38 53	75 48W	50	17	17				H	ARTHUR REINHOLD
EDGE MONT	277007	07	WASHINGTON	39 40	77 33W	905	17	07				H	JOHN W HARNE
EMMITTSBURG 2 SE	290606	06	FREDERICK	39 41	77 18W	416	17	17				H	MRS LUCILLE K BEALE
FREDERICK POLICE BRKS	334806	06	FREDERICK	39 25	77 26W	380	17	17				H	MARYLAND STATE POLICE
FREDERICK 3 E	335506	06	FREDERICK	39 24	77 22W	385	17	07				H	MISS I MARY STALEY
FROSTBURG 2	341507	07	ALLEGANY	39 40	78 56W	2170	07	07				H	LEE K CLOSE
GLENN DALE BELL STN	367504	04	PRN GEORGES	38 58	76 48W	150	16	16				H	USDA PLT INTRODUCT STN
HAGERSTOWN	397507	07	WASHINGTON	39 39	77 44W	660	18	18				H	HAGERSTOWN RESERVOIR
HANCOCK FRUIT LAB	403007	07	WASHINGTON	39 42	78 11W	428	16	16		C	H	H	SHARPSBURG RESEARCH C
LA PLATA 1 W	508003	03	CHARLES	38 32	77 0W	140	18	18				H	C RUSSELL LEVERING
LAUREL 3 W	511104	04	PRN GEORGES	39 6	76 54W	400	MID	MID				H	WASH SUB SANY COMM
MC HENRY 2 NW	583208	08	GARRETT	39 35	79 22W	2680	08	08		C	H	H	JOSEPH F JOHENNING
MECHANICSVILLE 1 E	586503	03	ST MARYS	38 27	76 41W	100	19	19				H	SANDRA J HASTING
MERRILL	589408	08	GARRETT	39 36	79 5W	1790	09	09				H	DELWOOD E MERRILL
MILLINGTON 1 SE	598505	05	KENT	39 16	75 52W	30	18	18				H	HOWARD L HARVEY
NATIONAL ARBORETUM D C	633504	04		38 54	76 59W	50	08	08				H	U S NATL ARBORETUM
OAKLAND 1 SE	662008	08	GARRETT	39 24	79 24W	2420	17	17				H	BEA J CROSCO
OWINGS FERRY LANDING	677003	03	CALVERT	38 41	76 40W	160	17	17				H	JAMES C RASMUSSEN
PATUXENT RIVER	691503	03	ST MARY'S	38 20	76 25W	38	MID	MID		C		H	NAVAL WEATHER SERVICE
POTOMAC FILTER PLANT	727206	06	MONTGOMERY	39 2	77 15W	270		08				H	POTOMAC WATER FILT PLT
PRINCESS ANNE	733001	01	SOMERSET	38 13	75 41W	20	17	17				H	UNIVERSITY MARYLAND EAST
ROCKVILLE 1 NE	770506	06	MONTGOMERY	39 6	77 6W	440	17	17				H	WASH GAS & LIGHT CO
ROYAL OAK 2 SSW	780602	02	TALBOT	38 43	76 11W	10	18	18				H	JOHN L SWAINE JR
SALISBURY	800001	01	WICOMICO	38 22	75 35W	10	17	17				H	CITY OF SALISBURY
SALISBURY FAA AP	800501	01	WICOMICO	38 20	75 31W	48	MID	MID				H	FAA
SAVAGE RIVER DAM	806508	08	GARRETT	39 31	79 8W	1495	08	08		O	B	C	U S CORPS OF ENGINEERS
SNOW HILL 4 N	838001	01	WORCESTER	38 14	75 23W	28	18	18				H	CURTIS E SHOCKLEY
TOWSON	887706	06	BALTIMORE	39 23	76 34W	390	18	18				H	BENDIX FRIEZ
UNIONVILLE	903006	06	FREDERICK	39 27	77 11W	430	18	18				H	CAROLINE R VON EIFF
UPPER MARLBORO 3 NNW	907004	04	PRN GEORGES	38 52	76 47W	98	08	08		O	B	H	TOBACCO EXP FARM
VIENNA	914002	02	DORCHESTER	38 29	75 50W	12	18	18				H	DELMARVA POWER & LIGHT
WESTMINSTER POLICE BRK	944006	06	CARROLL	39 33	76 58W	765	17	17				H	MARYLAND STATE POLICE
WOODSTOCK	975006	06	BALTIMORE	39 20	76 52W	460	18	18				H	JOHN A HILTZ

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
SEPTEMBER 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	002	KENT	39 39	75 31W	30	17	17				STATE DIV OF HIGHWAYS
GEORGETOWN 5 SW	35700	002	SSCUSSEX	38 38	75 27W	45	08	08	08	C	H	UNIV OF DEL SUBSTATION
GREENWOOD 2 NE	35955	002	SSCUSSEX	38 50	75 35W	45	18	18				DANIEL M SWARTZENTRUBER
LEWES	53200	001	SSCUSSEX	38 46	75 8W	15	17	17				BOARD OF PUBLIC WORKS
MIDDLETOWN 3 E	58520	001	NEW CASTLE	39 27	75 40W	55	17	17				DAVID S NEYHARD
MILFORD 4 SE	59150	002	SSCUSSEX	38 54	75 28W	30	17	17				DAVID S SCHLOTT
NEWARK UNIVERSITY FARM	64100	001	NEW CASTLE	39 40	75 44W	90	17	17	17	C	H	UNIV OF DELAWARE
WILMINGTON WSO AP	95950	001	NEW CASTLE	39 40	75 36W	79	MID	MID				NATL WEATHER SERVICE
WILMGTON PORTER RESVR	96050	001	NEW CASTLE	39 46	75 32W	274	MID	MID				WATER DEPARTMENT

SEE REFERENCE NOTES FOLLOWING STATION INDEX

REFERENCE NOTES

MARYLAND AND
DELAWARE
SEPTEMBER 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:
NATIONAL CLIMATIC DATA CENTER
FEDERAL BUILDING
ASHEVILLE, NC 28801-2696

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

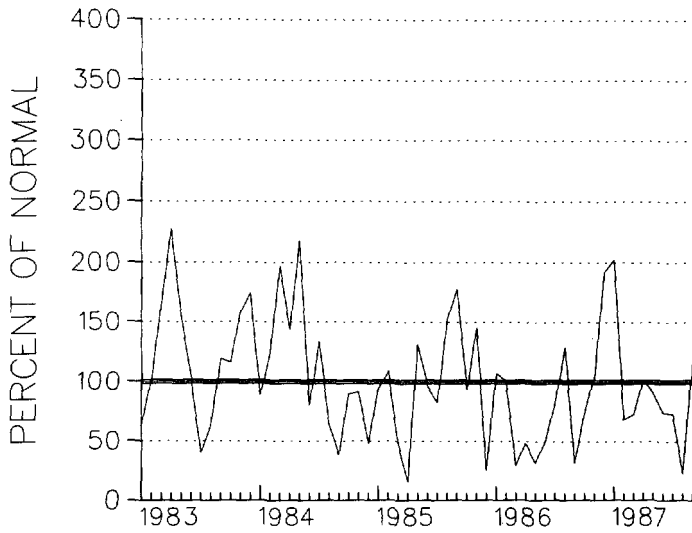
PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)
FOR THE 57 MONTHS
ENDING SEPTEMBER 1987
MARYLAND

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

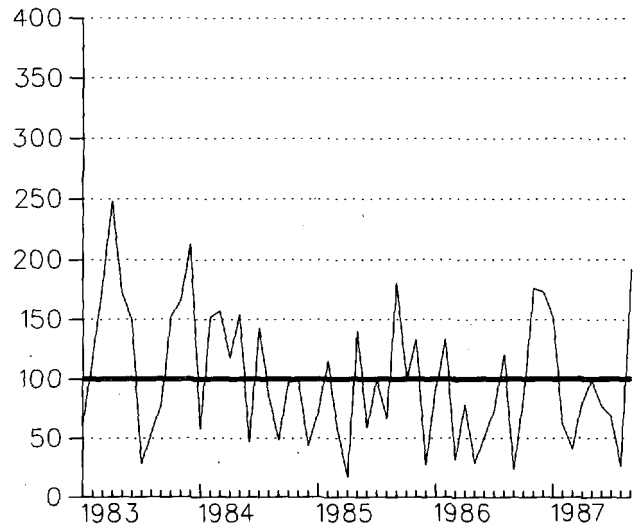
CLUSTER 2 - DIVISION(S):
UPPER SOUTHERN 04
NORTHERN EASTERN SHORE 05

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

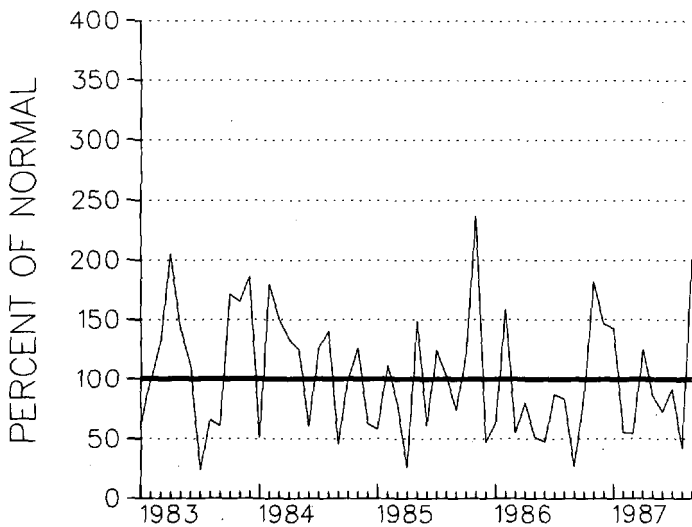
CLUSTER 4 - DIVISION(S):
ALLEGHENY PLATEAU 08



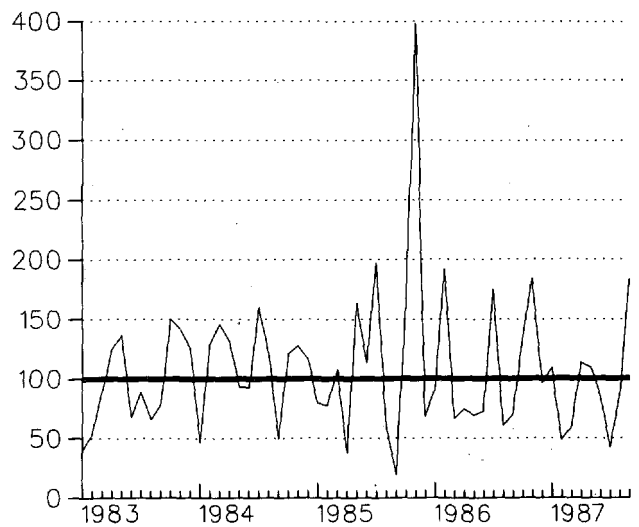
CLUSTER 1



CLUSTER 2



CLUSTER 3

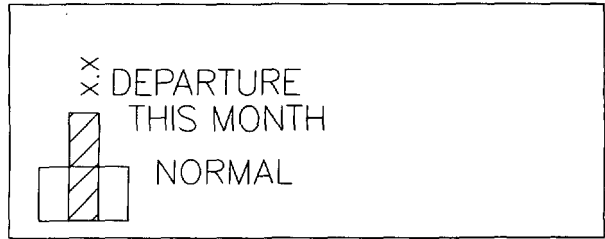


CLUSTER 4

TEMPERATURE AND PRECIPITATION

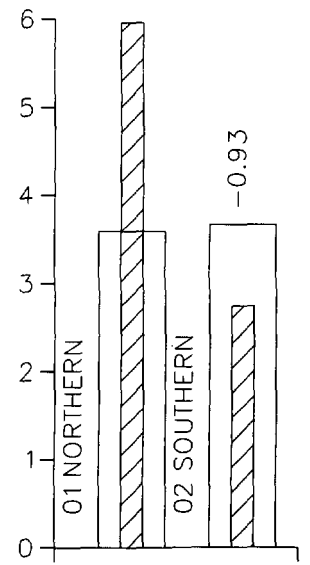
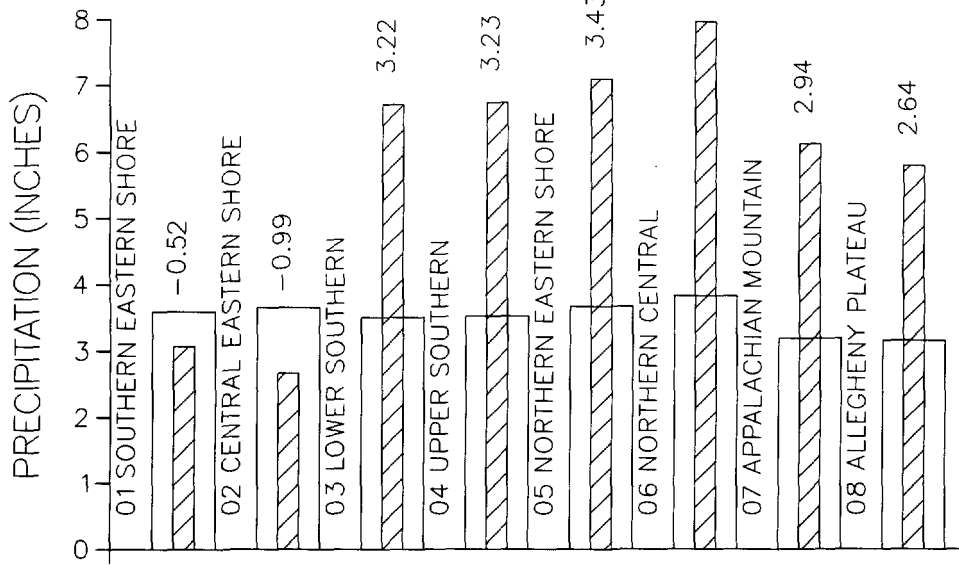
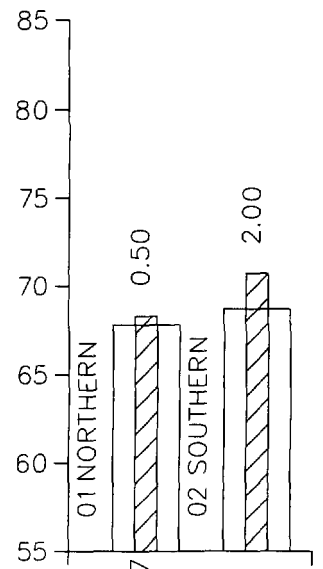
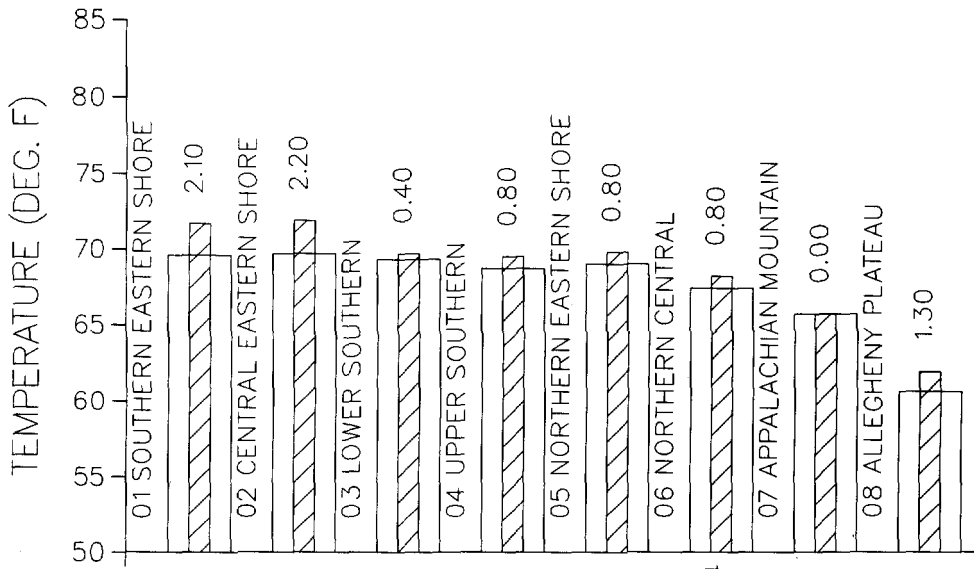
DIVISIONAL AVERAGES AND DEPARTURES FROM NORMAL (1951-1980)

SEPTEMBER 1987



MARYLAND

DELAWARE



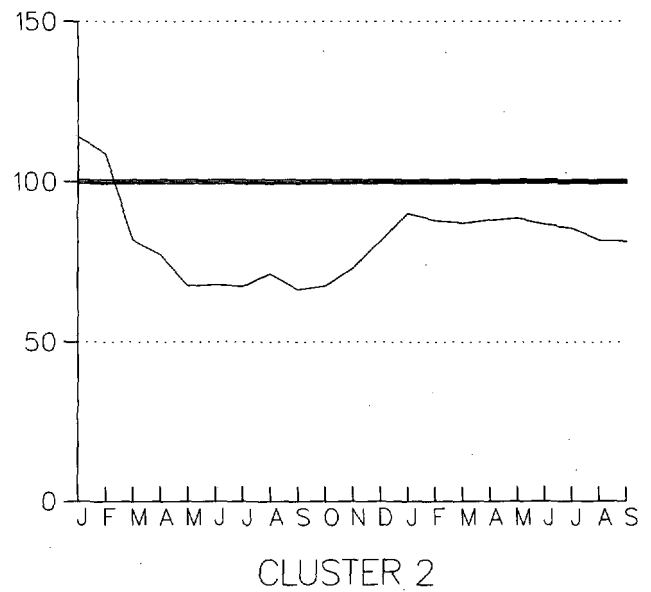
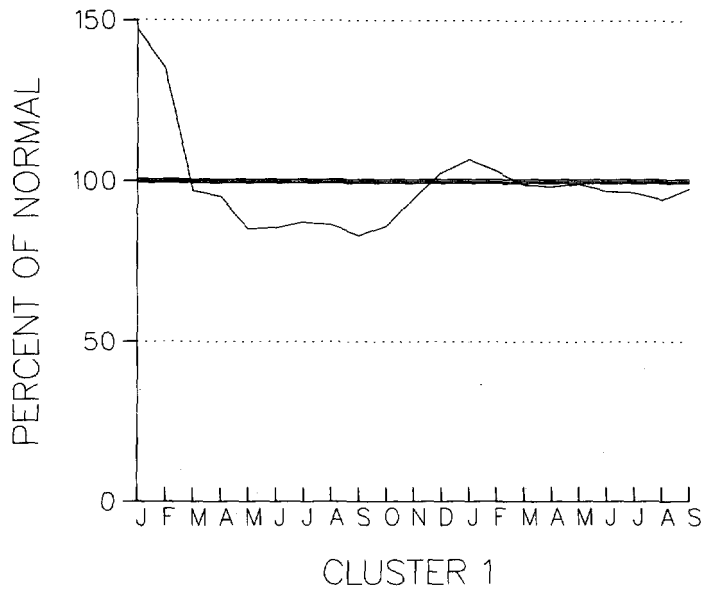
DIVISIONS

DIVISIONS

CUMULATIVE PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)
 FOR THE LAST 21 MONTHS
 ENDING SEPTEMBER 1987
 DELAWARE

CLUSTER 1 - DIVISION(S):
 NORTHERN 01

CLUSTER 2 - DIVISION(S):
 SOUTHERN 02



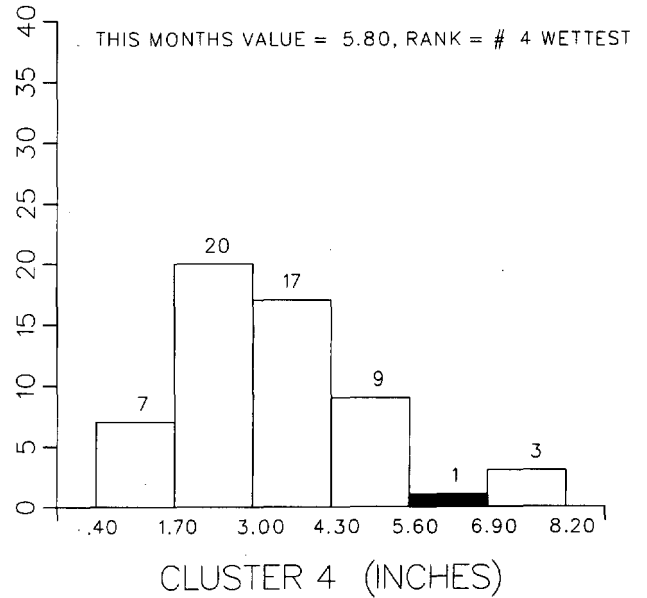
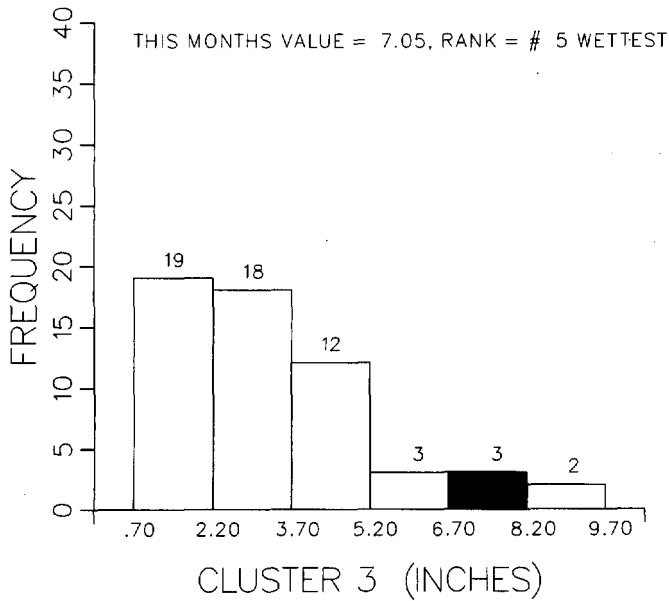
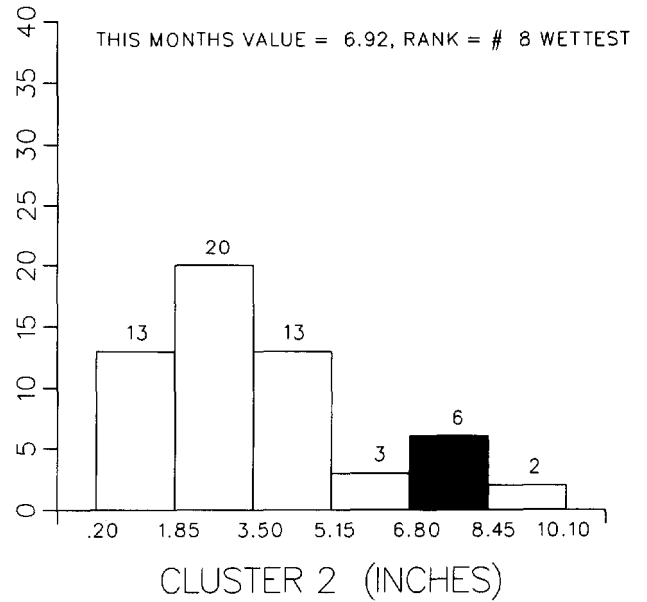
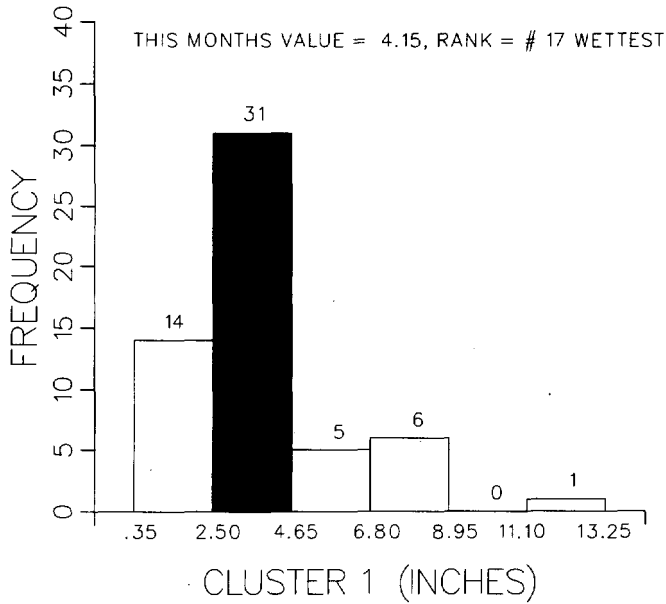
MEAN MONTHLY PRECIPITATION FREQUENCY DISTRIBUTION FOR PERIOD OF RECORD 1931-1987 FOR MONTH OF SEPTEMBER MARYLAND

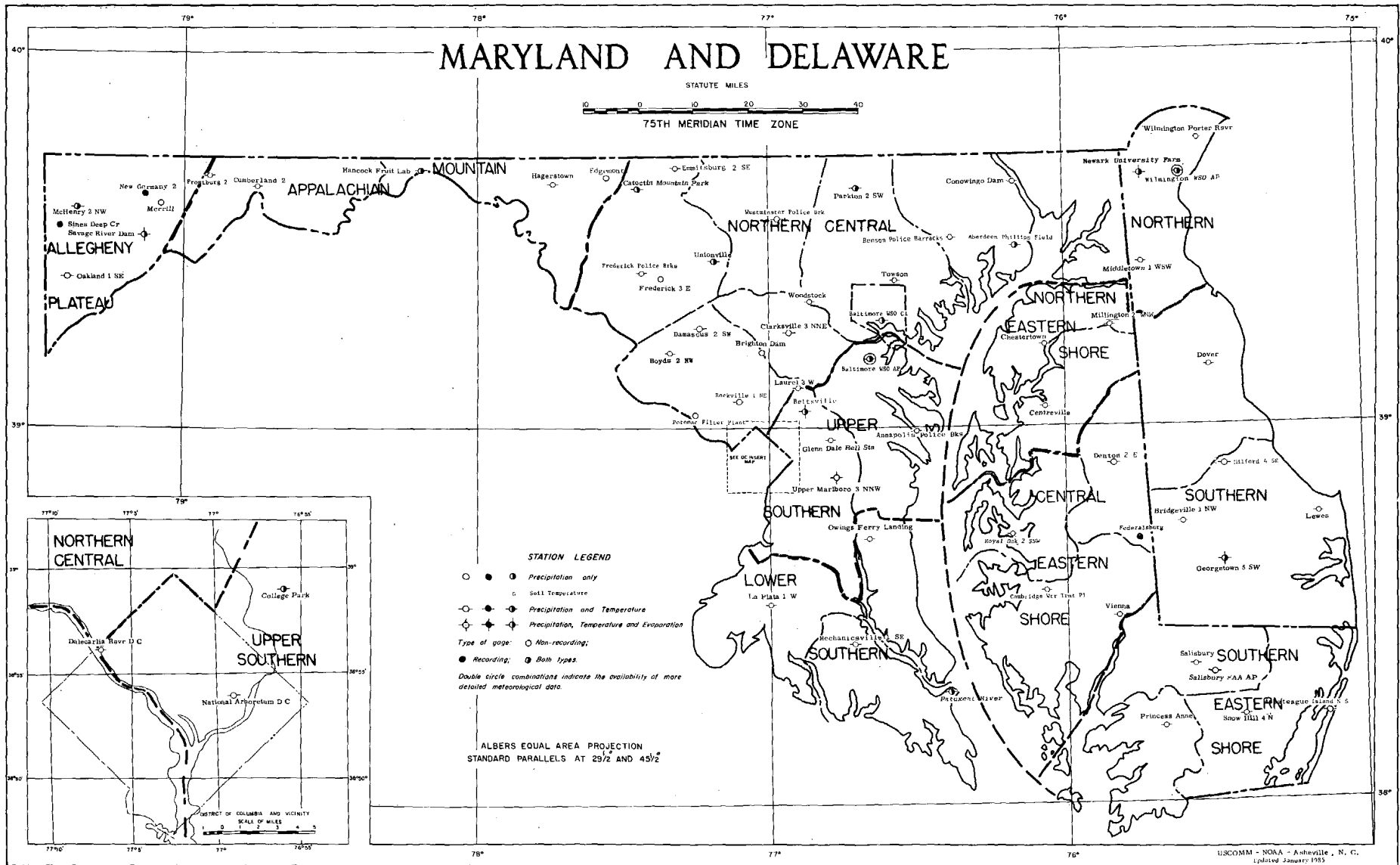
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