



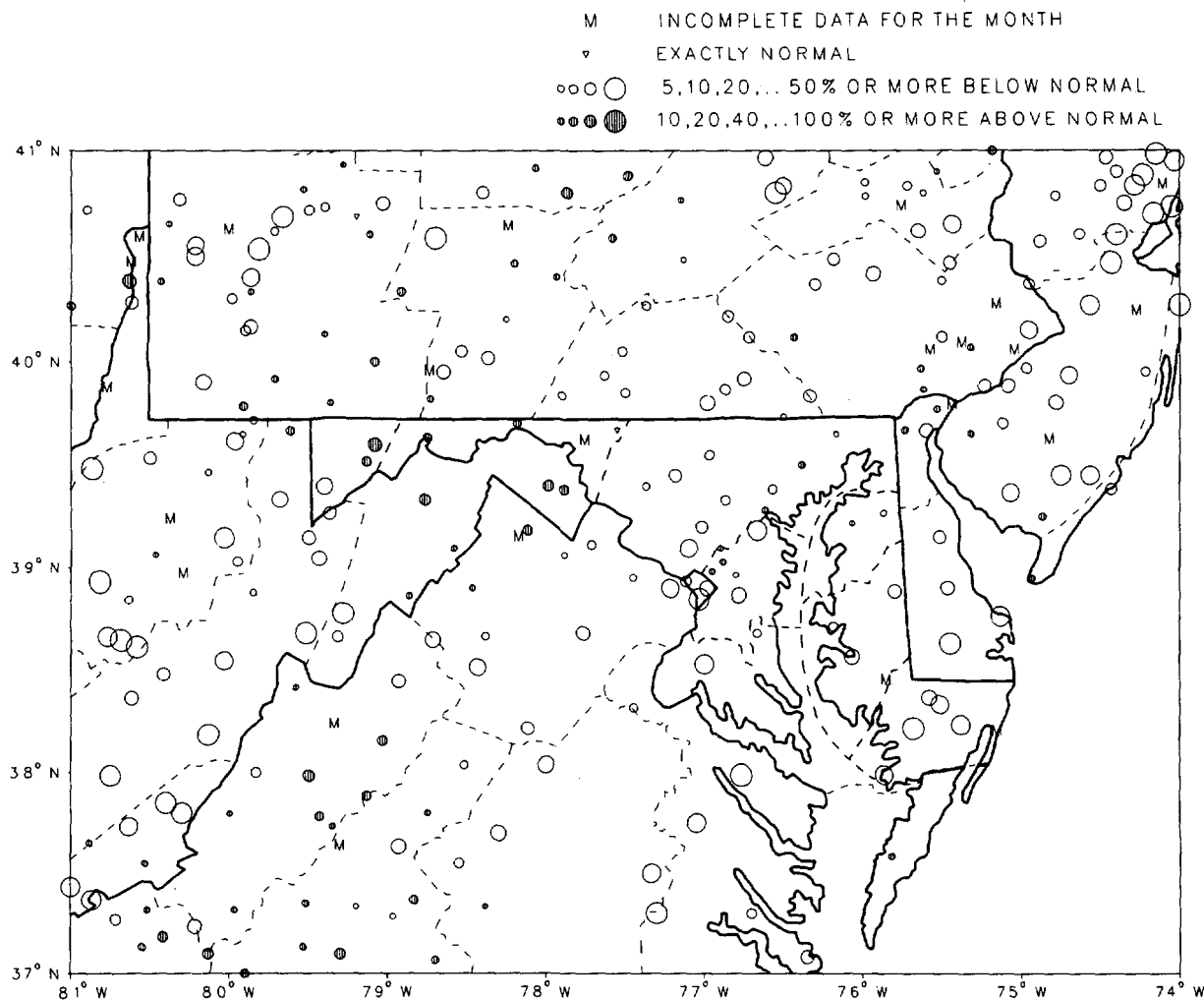
ISSN 0145-0549

CLIMATOLOGICAL DATA MARYLAND AND DELAWARE

AUGUST 1988

VOLUME 92 NUMBER 8

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



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 (NOAA). IT IS COMPILED USING INFORMATION FROM WEATHER OBSERVING SITES SUPERVISED BY NOAA/NATIONAL WEATHER SERVICE AND RECEIVED AT THE NATIONAL CLIMATIC DATA CENTER (NCDC), ASHEVILLE, NORTH CAROLINA 28801."

Kenneth D. Hadlee

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
AUGUST 1988

MARYLAND
HIGHEST TEMPERATURE 105
LOWEST TEMPERATURE 44
GREATEST TOTAL PRECIPITATION 7.45
LEAST TOTAL PRECIPITATION 2.38
GREATEST 1 DAY PRECIPITATION 2.20

DELAWARE
HIGHEST TEMPERATURE 100
LOWEST TEMPERATURE 52
GREATEST TOTAL PRECIPITATION 5.38
LEAST TOTAL PRECIPITATION 2.77
GREATEST 1 DAY PRECIPITATION 2.22

AUGUST 15
AUGUST 22

AUGUST 24

AUGUST 15+
AUGUST 23

AUGUST 24

BALTIMORE WSD C1 R
OAKLAND 1 SE
MERRILL
BOYDS 2 NW
MERRILL

2 STATIONS
NEWARK UNIVERSITY FARM
NEWARK UNIVERSITY FARM
GEORGETOWN 5 SW
WILMINGTON PORTER RESVR

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
AUGUST 1988

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	TOTAL	SNOW DEPTH ON GROUND	SLEET DATE	NO. OF DAYS		
											90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW								10 OR MORE	.50 OR MORE	1.00 OR MORE
MARYLAND																								
SOUTHERN EASTERN SHORE 01																								
ASSATEAGUE ISLAND NATL SE	86.4	73.0	79.7	1.9	90	17+	60	23	0	461	2	0	0	0	2.70	-1.69	1.04	10	.0	M		5	2	1
CRISFIELD SOMERS COVE	88.2	68.4	78.3	3.3	94	18+	54	23	0	420	15	0	0	0	2.44	-3.19	1.04	30	.0	M		5	2	1
PRINCESS ANNE	88.7	69.9	78.8	2.8	94	15+	58	22	0	432	14	0	0	0	3.97	-1.75	1.20	30	.0	M		6	4	1
SALISBURY	86.6	69.3	78.1	2.8	93	17+	59	31+	0	415	13	0	0	0	3.48	-2.24	1.20	30	.0	M		6	4	1
SALISBURY FAA AP	88.0	68.2	78.1	3.1	95	17	54	22	0	414	14	0	0	0	3.17	-2.26	1.17	20	.0	M		4	3	1
SNOW HILL 4 N																								
--DIVISIONAL DATA----->			78.6	2.8											3.15	-2.05			.0					
CENTRAL EASTERN SHORE 02																								
CAMBRIDGE WTR TRMT PL	89.5	70.4	80.0	4.4	98	17+	60	31+	0	472	19	0	0	0	3.77	-1.51	1.17	30	.0	M		7	3	1
DENTON 2 E	89.3	68.5	78.9	3.3	100	15	53	22	0	440	18	0	0	0	3.72	-1.26	1.32	20	.0	M		6	4	1
ROYAL OAK 2 SSW	87.4	71.5	79.5	2.9	94	17+	56	22	0	459	15	0	0	0	4.41	-.68	1.42	10	.0	M		8	3	1
VIENNA																								
--DIVISIONAL DATA----->			79.5	3.5											3.97	-1.25			.0					
LOWER SOUTHERN 03																								
LA PLATA 1 W	86.5	68.3	77.4	2.6	97	17	56	31	0	391	11	0	0	0	2.84	-2.08	1.74	29	.0	M		4	2	1
MECHANICSVILLE 1 E	87.4	67.9	77.7		97	17+	55	31+	0	400	15	0	0	0	2.69		1.22	29	.0	M		5	2	1
OWINGS FERRY LANDING	88.7	68.4	78.6	3.6	100	17	56	31+	0	428	18	0	0	0	3.77	-.42	1.38	29	.0	M		7	3	1
PATUXENT RIVER	86.7	69.8	78.3		98	15	62	31	0	419	10	0	0	0	2.55		1.79	20	.0	M		5	2	0
--DIVISIONAL DATA----->			78.0	2.4											2.96	-1.66			.0					
UPPER SOUTHERN 04																								
ANNAPOLIS POLICE BRKS	90.5	67.6	79.1		102	15	51	26	0	443	20	0	0	0	4.68		1.77	20	.0	M		5	3	2
BALTIMORE WSO AP	88.4	68.6	78.5	2.9	103	15	56	31	0	427	18	0	0	0	2.64	-1.98	1.90	29+	.0	M		4	2	0
BELTSVILLE	88.3	66.6	77.5	3.5	101	16	52	31	0	396	20	0	0	0	5.26	.55			.0	M		6	3	2
COLLEGE PARK	90.3	69.8	80.1	4.1	104	16	55	31	0	474	22	0	0	0	5.60	.60	1.33	30	.0	M		8	4	4
DALECARLIA RESVR D C	90.6	67.1	78.9	3.0	102	15	51	22	0	436	20	0	0	0	3.81	-1.79	1.48	29	.0	M		7	3	1
GLENN DALE BELL STN	89.2	65.2	77.2	2.7	100	16	52	31+	0	386	19	0	0	0	4.86	-.05	1.57	29	.0	M		8	3	2
LAUREL 3 W	89.5	66.7	78.1	1.9	100	15	55	31	0	414	20	0	0	0	4.35	-1.18	1.50	29	.0	M		7	2	2
NATIONAL ARBORETUM D C	90.8	65.3	78.1	1.4	103	18+	51	31	0	411	23	0	0	0	3.57	-1.53	1.21	30	.0	M		6	2	1
UPPER MARLBORO 3 NNW	89.3	66.0	77.7		102	18+	53	22	0	402	21	0	0	0	3.34	-1.32	1.25	30	.0	M		8	2	1
--DIVISIONAL DATA----->			78.4	3.1											4.23	-.51			.0					
NORTHERN EASTERN SHORE 05																								
CHESTERTOWN	88.8	69.2	79.0	3.2	99	15	54	22	0	441	20	0	0	0	4.63	.02	1.97	20	.0	M		5	3	2
MILLINGTON 1 SE	87.0	67.2	77.1	2.6	98	15	52	22	0	384	14	0	0	0	4.57	-.17	1.76	20	.0	M		4	4	1
--DIVISIONAL DATA----->			78.1	2.7											4.60	.09			.0					
NORTHERN CENTRAL 06																								
ABERDEEN PHILLIPS FLD	87.6	67.7	77.7		100	16+	53	31	0	400	15	0	0	0	5.60				.0	M		5	3	2
BALTIMORE WSO CI	90.8	74.3	82.6	4.2	105	15	62	31+	0	551	22	0	0	0	5.30	.73	1.50	10	.0	M		7	4	3
BENSON POLICE BARRACKS	90.1	66.0	78.1	4.3	101	16	52	22	0	413	20	0	0	0	5.96	1.05	2.02	25	.0	M		6	4	3
BOYDS 2 NW	86.6	66.6	76.6		99	15	55	22	0	365	11	0	0	0	2.38		1.68	20	.0	M		7	1	0
CATOCTIN MOUNTAIN PARK	81.7	64.8	73.3		94	17	52	22	4	269	3	0	0	0	3.45		1.09	24	.0	M		7	3	1
CLARKSVILLE 3 NNE	89.2	64.5	76.9		102	16+	49	31	0	374	20	0	0	0	3.88		.95	29	.0	M		7	4	0
CONOWINGO DAM	90.0	63.3	76.7	2.7	102	15	50	25+	0	367	21	0	0	0	4.53	-.01	1.62	25	.0	M		6	3	2
DAMASCUS 2 SW	87.3	66.4	76.9		100	15	54	31	0	378	16	0	0	0	3.52		.95	24	.0	M		7	3	0
EMMITSBURG 2 SE	88.4	64.1	76.3		101	17+	50	31	2	358	17	0	0	0	2.98		1.10	24	.0	M		5	3	1

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
AUGUST 1988

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	TOTAL	MAX. DEPTH ON GROUND
											90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW						
FREDRICK POLICE BRKS	90.6	68.6	79.6		103	16	55	31	0	46	18	0	0	0	4.18		1.20	23	.0	0
MILLERS 4 NE	88.0	65.8	75.7		99	15	52	31	0	34	11	0	0	0	3.60		1.02	24	.0	0
ROCKVILLE 1 NE	88.0	69.0	76.0	3.6	99	15	52	31	0	40	12	0	0	0	4.00	-1.56	1.12	24	.0	0
TONSON	88.0	67.0	78.1		99	15	52	31	0	40	12	0	0	0	4.00	-1.56	1.12	24	.0	0
UNIONVILLE	89.1	69.3	75.2	3.0	100	16	50	31	0	32	18	0	0	0	3.91	-1.85	1.41	25	.0	0
WESTMINSTER POLICE BRK	89.1	69.3	76.8	3.8	100	16	50	31	0	37	12	0	0	0	3.48	-1.52	1.52	24	.0	0
WOODSTOCK	89.1	66.3	77.4	3.9	100	15	52	31	0	39	20	0	0	0	3.90	-1.52	1.90	29	.0	0
--DIVISIONAL DATA----->			77.2	3.3					0						3.89	-1.41			.0	
APPALACHIAN MOUNTAIN 07																				
CUMBERLAND 2	90.1	63.5	76.8	3.6	101	17	50	31	2	37	18	0	0	0	4.65	1.32	1.37	20	.0	0
FROSTBURG 2	88.0	61.0	71.5		94	18	51	31	2	22	4	0	0	0	5.37		1.59	24	.0	0
HAGERSTOWN	88.8	67.1	78.0	4.6	102	15	53	31	0	40	18	0	0	0	2.51		1.29	29	.0	0
HANCOCK FRUIT LAB	89.1	61.3	75.2	3.5	102	18	49	31	2	32	19	0	0	0	4.31	1.01	1.05	24	.0	0
--DIVISIONAL DATA----->			75.4	3.1					2						4.78	1.27			.0	
ALLEGHENY PLATEAU 08																				
MC HENRY 2 NW	82.9	60.5	71.7		93	18	50	22	15	22	8	0	0	0	7.18		1.62	24	.0	0
OAKLAND 1 SE	84.7	58.3	71.5	4.8	97	17	44	22	18	22	12	0	0	0	3.03	-1.57	1.35	20	.0	0
SAVAGE RIVER DAM	85.8	60.3	73.1	4.5	97	18	48	22	10	26	14	0	0	0	5.53	1.92	1.59	19	.0	0
--DIVISIONAL DATA----->			72.1	5.3											5.25	1.07			.0	
DELAWARE																				
NORTHERN 01																				
MIDDLETOWN 3 E	85.9	68.0	77.0		97	15	54	23	0	37	12	0	0	0	3.86		1.25	24	.0	0
NEWARK UNIVERSITY FARM	87.6	67.0	77.3	2.8	98	15	52	23	0	38	16	0	0	0	5.38	-1.88	1.90	24	.0	0
WILMINGTON WSO AP	86.0	68.6	77.3	2.5	98	15	53	22	0	38	12	0	0	0	3.03	-1.00	1.31	24	.0	0
WILMGTN PORTER RESVR	86.6	68.8	77.7	4.0	96	13	53	31	0	40	16	0	0	0	5.16	.74	2.22	24	.0	0
--DIVISIONAL DATA----->			77.3	2.8											4.36	.19			.0	
SOUTHERN 02																				
DOVER	89.0	68.5	78.8	3.0	100	15	56	23	0	43	17	0	0	0	3.98	-1.14	1.47	20	.0	0
GEORGETOWN 5 SW	87.4	67.9	77.7	2.8	96	16	54	23	0	40	14	0	0	0	2.77	-2.66	.91	30	.0	0
GREENWOOD 2 NE	88.5	70.7	79.6		98	15	56	22	0	45	19	0	0	0	4.04		1.14	30	.0	0
LEWES	87.7	70.4	79.1	4.8	97	15	58	23	0	44	14	0	0	0	3.08	-2.28	1.06	20	.0	0
MILFORD 4 SE	87.4	69.0	78.2	3.0	100	11	54	23	0	41	10	0	0	0	3.51	-1.27	1.05	30	.0	0
--DIVISIONAL DATA----->			78.7	3.6											3.48	-1.76			.0	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
AUGUST 1988

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	M	-	-	-	-	-	-	-	-	-	1.04	-	-	-	-	-	.32	-	-	.14	.43	-	-	-	-	-	-	-	-	-	-	.77	
CRISFIELD SOMERS COVE	2.70																															.53	
PRINCESS ANNE	2.44					.03		.13												.22	1.04				.49							.79	
SALISBURY	3.97							.58				.01					.22			.18	1.20				.99								
SALISBURY FAA AP	3.48	.04					.17	.03			.02					.51				.15	1.32			T	.69					.55	T		
SNOW HILL 4 N	3.17						.05		.07		.02						.02			.42	1.17				.64							.78	
CENTRAL EASTERN SHORE 02																																	
CAMBRIDGE WTR TRMT PL	3.77							.02			.58	.41					.33			.25	.60	.07			.28					.06	1.17		
DENTON 2 E	3.72										.17						.61			.06	1.32	.02			.60	.21				.66	.07		
ROYAL OAK 2 SSW	4.41			T	.36						.23	1.42	T				.18			.22	.93				.44	.03			T	.60			
VIENNA	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER SOUTHERN 03																																	
LA PLATA 1 W	2.84							.04									.02			.28	.62				.13				.01	1.74	T		
MECHANICSVILLE 1 E	2.69							.03									.22		T	.48	.59	T			.03	T				1.22	.12		
OWINGS FERRY LANDING	3.77							T									.31			.36	.80				.24				.56	1.38	.12		
PATUXENT RIVER	2.55						.05	T		T						.52			.09	.38	.79			T	.32					.40	T		
UPPER SOUTHERN 04																																	
ANNAPOLIS POLICE BRKS	4.68	.07						.01									.86			.07	1.77	.03			.31	.18				1.37	.01		
BALTIMORE WSO AP	2.64						.08	T								.05			T	.07	.90			.48	.16				T	.90			
BELTSVILLE	5.26						* 1.34										.80		T	.10	.09	1.11			.31	.23				.08	1.20		
COLLEGE PARK	5.60						1.10										1.18			.07	.13	1.06			.28	.28				.17	1.33		
DALECARLIA RESVR D C	3.61						.14										.50			.18	.88	.01			.13	.46			.02	1.48	.01		
GLENN DALE BELL STN	4.86						.30										1.20			.10	.80	.40			.20	.27				1.57	.02		
LAUREL 3 W	4.35						.19									.27				.36	1.36			.35	.30				.02	1.50			
NATIONAL ARBORETUM D C	3.57						.37										.37			.09	.30	.93			.15	.07				.08	1.21		
UPPER MARLBORO 3 NNW	3.34						.40										.21			.06	.31	.79			.11	.10				.11	1.25		
NORTHERN EASTERN SHORE 05																																	
CHESTERTOWN	4.63			T		T	T					T				.07		T	.07	.14	1.97			.18	.96	.06			T	1.18			
MILLINGTON 1 SE	4.57										T						.80				.08	1.76	.05			.58	.50		*	*	.80		
NORTHERN CENTRAL 06																																	
ABERDEEN PHILLIPS FLD	5.60	.09					.01				.07	T					.17			.21	.57				1.18	1.64		*	*	1.67	T		
BALTIMORE WSO CI	5.30	.16			.45	.93					1.50		.23											1.02	1.00								
BENSON POLICE BARRACKS	5.96	.76						T												.02	.17	.41			1.26	2.02			.05	1.27			
BOYDS 2 NW	2.38						.09	.08								.25			.10	.44	.68				.46	.11				.17			
BRIGHTON DAM	3.30						.30									.50				.30	.80			.50	.30				T	.60			
CATOCTIN MOUNTAIN PARK	3.45						.09	.10									.15		.20	.36	.63	.03			1.09	.29		.01		.64	.01		
CLARKSVILLE 3 NNE	3.88						.83													.12	.86				.72	.22			.03	.95			
CONOWINGO DAM	4.53						.05													.31	.15	.30			1.16	1.62			.03	.03	.91		
DAMASCUS 2 SW	3.52						.15	.02								.40	.02		.13	.31	.60			.06	.95				.02	.86			
EMMITSBURG 2 SE	2.98						.05	.05											T	.18	.54				1.10	.33				.73			
FREDRICK POLICE BRKS	4.18						.04	.11									.30		.23	.46	.61	T			1.17	.06				1.20			
FREDERICK 3 E	3.47						.13				.23	.20					.25		.07	.23	.20	.60			.90			.15		.80			
MILLERS 4 NE	3.60						.49	.09									T		.02	.25	.35	T		T	1.02	.68			T	.70			
POTOMAC FILTER PLANT	3.20						.43									.72			.09	.13	1.18			.08	1.05				.52				
ROCKVILLE 1 NE	2.80						.12									.34			T	.19	1.12			.18	.16				T	.69			
TOWSON	4.26							.03									.26			.05	.70				1.15	.05			.05	1.96	.01		
UNIONVILLE	2.91							.05								.09				.18	.95					1.41				.18			
WESTMINSTER POLICE BRK	3.48							.24												.47					1.52	.40			T	.67			
WOODSTOCK	3.46							.86									.04			.12	.75				.61	.16			.02	.90			

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
AUGUST 1988

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	4.65							.02						T			.05		.09	.48	1.37	.90			1.00	T				.40	.34	
EDGEMONT	3.83							.13									T		.34	.21	.54	.26			.99	.37				.38	.61	
FROSTBURG 2	5.37						.30	.08						.12	T		T		.02	.48	1.51	.55			1.59	.04				.23	.45	
HAGERSTOWN	M 2.51							.14										.08	.24	.76				-					1.29	T		
HANCOCK FRUIT LAB	4.31							.20									.09		.06	.20	.57	.44			1.05	.33				.41	.96	
ALLEGHENY PLATEAU 08																																
MC HENRY 2 NW	7.18					.28	.38	1.00											.03	1.21	.65	.87			1.62	.53				.44	.17	
MERRILL	7.45						.10	.03									.16		.24	.85	1.80	1.47			2.20	.04				.30	.26	
OAKLAND 1 SE	3.03					T	T						.04	T	.03	.25			.45	1.35	.05		T		.50	.10				.26		
SAVAGE RIVER DAM	5.53						.65	.02										T	T	1.59	.49	.61			1.44	.15				.20	.38	
DELAWARE																																
NORTHERN 01																																
MIDDLETOWN 3 E	3.86							.02													.97				1.25	.83				.79		
NEWARK UNIVERSITY FARM	5.38	.22																		.23	.36				1.90	1.23			.03	1.41		
WILMINGTON WSO AP	3.03																	T		.12	.31			.49	1.31			T	.80			
WILMGTN PORTER RESVR	5.16						.37											.36		.24	.53			.28	2.22	.04			1.12			
SOUTHERN 02																																
DOVER	3.98					.33											.13		.03	.19	1.47	.03		.01	.55	.30				.24	.70	
GEORGETOWN 5 SW	2.77					.20		.12									.22				.22	.59			.45		.01			.91	.05	
GREENWOOD 2 NE	4.04				.11			.01				.36					.15	T	.15	.70					1.07				.35	1.14		
LEWES	3.08							.05			.02	.01					.05		.06	.06	1.06				.81	.01				.95		
MILFORD 4 SE	3.51				.07													.14	.12	.30	.77				.89	.17				1.05		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
AUGUST 1988

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	01																																	
ASSATEAGUE ISLAND NATL	07	MAX MIN																															M	
CRISFIELD SOMERS COVE	17	MAX OBS MIN OBS	89 77 90 73	90 73 90 74	88 74 88 76	87 *** 88 73	88 *** 88 76	86 *** 86 73	87 *** 89 75	89 *** 89 74	86 77	87 79	88 79	89 79	89 80	90 75	89 72	89 84	85 68	80 67	81 66	84 62	82 60	83 72	85 61	88 70	88 75	88 75	87 77	84 68	81 65	86.4 73.0		
PRINCESS ANNE	17	MAX MIN	92 72	90 68	90 70	89 68	88 71	88 70	90 69	92 68	93 68	88 73	91 77	92 74	93 74	90 71	94 61	94 80	88 65	76 66	82 65	81 57	80 54	86 71	87 64	91 66	88 67	88 72	86 66	82 61	79 61	88.2 68.4		
SALISBURY	17	MAX MIN	93 74	90 71	87 71	89 70	89 71	90 70	87 68	90 70	90 71	87 73	90 76	92 78	93 74	91 73	94 76	92 70	92 65	90 79	87 67	72 65	83 65	79 58	79 59	87 71	86 67	90 70	87 71	88 72	84 75	80 66	87.6 69.9	
SALISBURY FAA AP	MID	MAX MIN	93 73	90 70	89 72	89 70	89 71	90 70	88 74	92 71	90 72	87 75	90 70	92 75	93 72	91 74	93 74	89 70	93 66	91 72	84 67	69 66	82 65	77 59	80 59	87 69	87 67	90 71	87 70	88 72	84 71	79 62	86.9 69.3	
SNOW HILL 4 N	18	MAX MIN	92 70	90 67	88 68	90 66	89 67	89 68	89 73	93 68	92 68	87 75	90 75	92 74	92 73	92 71	94 75	92 70	95 60	92 66	89 66	71 65	83 65	81 54	81 55	87 70	87 65	91 67	87 69	88 71	86 75	81 67	88.0 68.2	
CENTRAL EASTERN SHORE	02																																	
CAMBRIDGE WTR TRMT PL	16	MAX MIN	93 72	92 73	92 72	91 72	90 73	89 72	92 75	92 72	92 72	91 75	90 77	93 76	93 76	93 75	98 77	97 73	98 65	97 80	88 67	75 67	81 66	81 62	79 60	86 66	88 64	90 69	90 70	89 72	87 64	85 67	81 60	89.5 70.4
DENTON 2 E	17	MAX MIN	94 71	93 71	93 73	94 71	92 73	94 72	95 74	98 72	95 69	92 74	91 76	95 73	96 75	96 74	100 76	94 67	95 62	91 76	86 63	71 55	83 65	80 53	79 55	88 69	87 62	82 67	89 67	87 71	83 73	75 64	81 55	89.3 68.5
ROYAL OAK 2 SSW	18	MAX MIN	92 74	91 76	91 75	89 75	89 77	89 74	90 76	92 71	92 71	90 75	89 78	91 78	91 79	94 71	94 67	92 81	83 65	72 67	80 67	79 56	78 61	85 72	87 64	91 68	89 72	89 75	87 73	85 73	73 65	82 59	87.4 71.5	
VIENNA	18	MAX MIN																															M	
LOWER SOUTHERN	03																																	
LA PLATA 1 W	18	MAX MIN	88 71	88 73	87 71	88 72	87 73	88 69	87 72	88 68	90 67	90 70	88 76	90 74	92 75	93 74	96 77	93 67	97 66	91 76	84 60	71 66	80 68	78 58	77 61	85 70	87 61	90 63	90 60	85 72	82 66	72 66	78 66	86.5 68.3
MECHANICSVILLE 1 E	19	MAX MIN	91 71	91 71	89 69	89 70	89 70	90 67	90 72	92 68	90 65	89 71	91 76	94 73	94 75	97 74	97 76	88 67	91 64	82 66	72 67	82 66	78 55	77 58	85 70	86 63	92 61	90 64	89 71	84 71	74 65	79 55	87.4 67.9	
OWINGS FERRY LANDING	17	MAX OBS MIN OBS	91 71 91 72	91 72	90 70	89 72	90 68	90 66	92 72	94 67	94 66	92 71	90 75	93 74	95 75	95 76	98 76	97 67	100 65	96 77	88 64	71 67	82 66	81 56	76 69	86 69	87 62	90 63	89 65	89 70	80 74	74 65	80 56	88.7 68.4
PATUXENT RIVER	MID	MAX MIN	94 71	87 73	88 72	88 70	87 72	90 70	89 72	92 72	88 75	89 70	90 76	95 75	92 76	95 74	98 69	90 71	97 68	86 74	77 64	72 67	80 66	77 63	77 67	86 70	87 65	86 65	88 71	85 72	86 68	72 65	79 62	86.7 69.8
UPPER SOUTHERN	04																																	
ANNAPOLIS POLICE BRKS	17	MAX MIN	93 72	94 73	94 74	92 74	93 73	92 72	94 72	95 68	95 66	94 73	93 74	95 74	94 75	98 75	102 76	98 66	100 66	100 66	86 65	72 63	89 64	83 61	77 59	86 68	89 57	91 51	91 64	82 68	83 70	77 65	82 53	90.5 67.6
BALTIMORE WSO AP	MID	MAX MIN	91 73	93 73	90 73	90 73	91 72	90 70	91 73	93 68	94 67	94 72	93 74	95 75	97 76	98 74	103 74	94 66	100 67	90 74	76 63	69 66	84 66	78 59	76 62	87 68	88 63	89 63	89 69	83 70	78 67	77 59	80 56	88.4 68.6
BELTSVILLE	08	MAX OBS MIN OBS	90 69 90 69	93 70	93 69	90 70	91 70	90 69	91 71	90 69	90 66	93 62	93 62	92 74	95 74	96 77	96 75	101 65	91 65	98 75	88 61	75 65	70 64	82 53	78 57	75 64	88 61	88 59	90 64	92 69	82 73	78 65	77 52	88.3 66.6
COLLEGE PARK	09	MAX MIN	93 73	93 72	96 73	94 76	95 76	93 73	93 69	94 73	93 65	94 74	93 79	93 78	96 79	97 78	98 79	104 68	93 66	100 66	100 63	75 57	72 60	82 63	80 69	77 69	88 63	90 61	93 67	93 73	83 76	77 67	76 55	90.3 69.8
DALECARLIA RESVR D C	17	MAX MIN OBS	93 75	95 76	92 71	92 70	91 70	96 68	91 69	91 76	94 62	94 79	94 73	96 72	97 81	98 72	102 86	100 63	101 64	100 71	88 58	72 62	83 63	82 51	79 61	88 63	88 58	93 59	92 62	89 67	81 65	76 61	82 52	90.6 67.1

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
AUGUST 1988

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	93 67	93 69	93 67	90 68	91 67	89 70	89 72	91 64	93 60	93 68	93 72	92 72	94 72	94 74	99 63	100 62	97 75	98 60	89 64	73 63	75 63	81 52	79 54	86 66	88 59	90 57	91 57	91 68	84 72	75 63	80 52	89.2 65.2	
LAUREL 3 W	MID	MAX MIN	93 66	94 71	92 73	92 65	97 71	92 67	90 70	93 68	95 73	92 70	93 72	95 78	96 80	96 72	100 68	93 65	99 68	89 71	79 56	76 60	82 61	81 62	75 61	88 67	89 60	90 62	92 62	93 72	79 64	77 59	81 55	89.5 66.7	
NATIONAL ARBORETUM D C	08	MAX MIN	93 69	92 70	95 70	92 68	94 70	95 68	93 69	92 64	93 64	94 70	94 73	93 71	96 73	97 72	99 72	103 65	94 63	103 75	90 59	76 59	71 63	84 56	85 57	87 65	90 59	90 58	94 59	94 62	84 68	79 62	78 51	90.8 65.3	
UPPER MARLBORO 3 NNW	08	MAX MIN	93 72	94 70	94 68	90 69	92 70	91 67	92 72	92 65	94 63	93 69	95 73	93 72	95 72	97 72	98 75	102 65	93 63	102 72	90 62	75 62	70 65	82 53	78 55	76 61	88 63	89 60	92 63	91 65	84 70	78 65	75 54	89.3 66.0	
NORTHERN EASTERN SHORE	05																																		
CHESTERTOWN	23	MAX MIN	93 73	94 75	94 74	93 74	93 73	92 72	93 75	93 71	96 69	93 75	93 78	95 77	95 79	96 78	99 74	93 69	97 66	90 73	74 62	68 64	83 64	79 54	77 57	86 67	87 64	92 67	92 68	87 67	79 68	75 62	81 56	88.8 69.2	
MILLINGTON 1 SE	18	MAX OBS MIN OBS	91 69	91 72	89 73	91 72	89 72	91 69	91 74	92 67	91 65	91 73	89 76	91 74	93 75	93 74	98 77	91 65	92 62	89 62	83 60	70 64	82 64	78 52	76 53	84 65	84 62	89 66	88 67	87 66	78 73	76 65	80 54	87.0 67.2	
NORTHERN CENTRAL	06																																		
ABERDEEN PHILLIPS FLD	16	MAX OBS MIN OBS	90 71	93 70	93 72	89 73	89 73	93 70	91 72	90 65	92 65	91 73	89 73	91 75	95 75	95 75	100 77	100 64	93 63	92 76	88 59	68 62	80 64	77 56	76 55	84 67	85 62	89 63	88 65	85 69	77 75	76 66	79 53	87.6 67.7	
BALTIMORE WSO CI	MID	MAX MIN	93 80	96 82	92 79	92 78	92 77	95 77	98 77	97 76	96 76	96 80	96 80	98 80	99 81	100 80	105 78	98 76	104 77	92 77	77 64	70 66	85 68	80 62	77 70	90 72	92 70	93 71	91 72	84 75	80 71	78 67	82 62	90.8 74.3	
BENSON POLICE BARRACKS	17	MAX MIN	91 69	94 71	93 72	94 71	92 72	93 69	92 71	93 66	95 64	95 71	92 72	93 72	94 73	98 72	100 65	101 62	96 74	96 57	89 57	68 61	85 63	85 52	82 54	86 64	87 60	90 59	90 64	88 68	81 69	78 63	82 53	90.1 66.0	
BOYDS 2 NW	18	MAX MIN	90 73	91 72	89 71	89 70	89 69	88 67	88 67	91 66	91 66	91 71	91 72	92 72	93 75	95 71	99 69	89 68	98 72	80 59	68 63	80 65	79 55	74 61	84 64	85 61	88 61	87 64	87 61	87 61	79 70	75 65	78 56	86.6 66.6	
CATOCTIN MOUNTAIN PARK	17	MAX MIN OBS	83 69	86 72	85 69	82 72	84 69	83 69	84 67	84 66	86 55	85 70	87 72	88 74	89 74	93 73	91 74	88 64	94 67	89 69	77 60	69 56	74 59	74 52	70 60	74 56	73 60	79 62	80 62	75 56	78 60	74 45	76 57	81.7 64.8	
CLARKSVILLE 3 NNE	17	MAX MIN	92 68	93 68	91 67	90 68	90 66	91 66	90 66	90 66	92 66	93 67	91 69	95 70	96 70	96 69	102 79	102 63	99 76	96 60	86 60	70 63	81 64	81 50	79 53	87 66	88 56	90 56	90 62	89 65	81 72	81 64	75 49	80 49	89.2 64.5
CONOWINGO DAM	MID	MAX MIN	95 71	93 67	91 72	92 68	92 67	93 67	93 66	94 60	93 69	93 70	95 70	94 72	96 71	102 70	95 65	96 61	93 69	92 56	70 59	88 57	82 51	83 50	92 62	88 50	92 58	88 60	92 65	88 61	78 55	80 51	83 51	90.0 63.3	
DAMASCUS 2 SW	19	MAX MIN	90 69	92 71	89 72	90 71	91 71	90 70	88 69	90 65	92 67	91 70	93 67	93 72	93 72	97 72	100 64	91 67	99 71	89 59	80 59	67 63	82 64	78 55	73 63	85 64	85 58	90 61	89 63	87 68	77 68	77 63	79 54	87.3 66.4	
EMMITSBURG 2 SE	17	MAX MIN	90 65	91 68	90 68	91 72	91 68	90 69	89 68	90 59	94 66	94 66	95 71	96 72	96 71	101 73	99 60	101 60	99 60	99 75	85 60	66 62	83 61	83 52	76 53	85 64	83 57	85 63	87 66	84 66	78 68	77 63	77 50	79 50	88.4 64.1
FREDRICK POLICE BRKS	17	MAX MIN	93 70	94 73	93 73	92 74	91 72	91 72	93 72	93 68	95 65	93 71	95 72	95 75	95 76	96 74	102 74	103 68	111 74	101 68	87 62	76 63	84 65	85 57	84 63	87 65	85 64	88 67	88 67	88 70	82 71	78 66	80 55	90.6 68.6	
MILLERS 4 NE	18	MAX MIN	88 69	90 70	88 72	88 71	87 69	88 69	86 63	88 62	90 62	90 71	91 72	92 73	93 73	93 72	92 69	96 73	96 58	92 63	97 58	96 58	65 61	79 63	77 52	82 61	81 59	84 64	86 63	83 69	77 67	74 63	77 52	85.6 65.8	
ROCKVILLE 1 NE	17	MAX MIN	89 73	91 73	88 75	90 75	89 74	88 74	88 73	91 67	91 76	90 76	92 76	93 77	95 76	98 72	90 71	98 74	86 63	75 58	69 66	82 64	78 58	75 63	85 68	85 66	89 63	90 67	90 73	81 69	78 61	75 56	77 56	86.3 69.6	
TOWSON	18	MAX MIN	91 71	93 73	90 76	90 71	88 72	96 70	95 69	90 66	94 66	92 72	94 74	93 74	95 75	98 74	96 66	95 66	96 66	86 58	75 54	80 60	85 68	86 63	89 66	89 66	90 66	86 66	80 66	75 64	80 56	88.7 67.5			
UNIONVILLE	18	MAX OBS MIN OBS	93 61	94 63	93 64	92 64	91 68	91 62	93 61	95 58	93 62	95 62	95 65	96 66	96 65	100 61	101 59	99 59	89 59	83 54	84 54	84 49	85 54	87 54	86 54	87 56	88 57	88 59	89 60	81 57	84 49	89.1 59.3			
WESTMINSTER POLICE BRK	17	MAX MIN	93 65	95 68	95 67	92 68	91 68	91 67	90 68	90 65	94 64	94 68	95 69	94 72	97 71	100 72	101 64	101 66	101 70	90 55	68 58	81 58	81 52	78 56	85 59	88 60	85 60	89 62	90 66	79 63	76 60	80 50	89.6 63.9		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
AUGUST 1988

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		
WOODSTOCK	18	MAX MIN	92 70	93 71	90 70	90 70	90 69	90 69	90 71	92 64	93 63	93 70	93 71	94 72	94 73	95 72	100 75	95 65	97 64	93 75	85 60	68 63	83 65	80 52	77 56	86 65	87 60	90 59	90 64	88 70	80 69	76 65	80 54	88.5 66.3	
APPALACHIAN MOUNTAIN	07																																		
CUMBERLAND 2	18	MAX MIN	95 68	97 69	94 70	95 69	96 69	91 67	92 63	97 62	96 65	98 67	96 71	97 70	97 71	101 71	100 65	93 67	101 68	100 64	85 64	69 57	83 53	80 55	77 60	82 58	83 60	83 58	88 62	88 64	82 60	78 53	80 50	90.1 63.5	
FROSTBURG 2	07	MAX MIN	90 65	87 65	89 66	86 67	87 67	86 66	82 65	82 62	87 61	88 61	89 64	89 67	89 68	88 60	92 69	92 62	84 61	94 69	84 64	65 60	66 54	74 51	72 51	66 58	77 55	75 55	78 52	82 56	83 63	67 56	71 51	82.0 61.0	
HAGERSTOWN	18	MAX OBS MIN OBS	91 68 71 73	94 71 71 73	91 72 72 71	91 72 72 71	90 70 70 64	91 64 64 64	90 64 64 64	94 72 72 75	96 75 75 74	97 68 67 72	97 75 75 74	102 68 67 72	94 60 63 63	101 54 63 63	101 54 63 63	96 63 63 64	83 54 63 64	70 59 62 63	82 54 63 64	79 59 62 63	74 54 63 64	84 59 62 63	85 59 62 63	85 62 63	88 63	86 70	81 67	78 63	79 53	88.8 67.1			
HANCOCK FRUIT LAB	16	MAX MIN	90 64	93 66	96 71	92 67	93 66	95 67	93 66	91 58	92 56	95 60	96 65	98 66	98 68	98 69	100 69	101 60	93 61	102 62	87 62	70 62	68 60	82 49	79 50	76 61	86 56	84 55	85 55	87 55	90 64	75 60	78 49	89.1 61.3	
ALLEGHENY PLATEAU	08																																		
MC HENRY 2 NW	08	MAX MIN	81 61	89 63	91 67	90 66	89 63	89 64	80 61	81 61	86 61	90 64	89 65	90 64	91 66	89 68	92 70	91 61	86 60	93 65	85 60	74 61	71 50	74 50	75 52	72 59	76 54	75 55	74 58	85 59	81 62	69 52	71 52	82.9 60.5	
OAKLAND 1 SE	17	MAX MIN	86 59	91 59	90 63	88 64	91 60	82 62	83 60	87 53	91 53	91 57	92 61	90 60	90 62	94 62	92 64	88 57	97 69	93 62	83 64	77 49	73 64	76 44	75 55	77 60	77 53	77 56	84 54	87 65	82 62	70 54	71 46	84.7 58.3	
SAVAGE RIVER DAM	08	MAX MIN	87 63	92 64	94 64	93 66	93 65	85 66	86 65	85 60	92 58	93 59	94 64	95 65	93 66	94 67	95 67	94 62	90 62	97 65	88 64	70 63	71 54	79 48	78 49	70 56	79 55	79 55	80 55	85 55	85 60	69 58	75 49	85.8 60.3	
DELAWARE																																			
NORTHERN	01																																		
MIDDLETOWN 3 E	17	MAX OBS MIN OBS	90 71 72 73	90 72 72 73	87 72 72 73	89 72 72 73	90 72 72 73	88 73 73 74	90 73 73 74	90 73 73 74	92 76 76 77	87 76 76 77	91 76 76 77	92 77 77 77	93 77 77 77	94 76 76 77	97 76 76 77	92 63 62 62	87 60 64 64	88 61 64 70	74 60 64 64	66 54 54 66	82 61 64 70	77 61 64 70	76 61 64 70	84 66 64 70	85 61 64 70	89 69 64 70	88 69 64 70	85 69 64 70	79 63 63 63	73 56 56 56	79 56 56 56	85.9 68.0	
NEWARK UNIVERSITY FARM	17	MAX MIN	90 69	92 71	90 73	91 70	89 71	90 70	90 73	89 71	93 64	92 73	92 75	93 71	94 76	95 76	98 76	96 63	94 62	93 72	72 60	69 63	83 62	82 52	78 52	84 69	86 60	88 61	88 66	88 70	88 66	82 66	75 64	80 53	87.6 67.0
WILMINGTON WSO AP	MID	MAX MIN	90 73	90 75	88 73	88 74	90 73	89 74	90 74	91 69	92 67	88 75	92 76	92 76	93 77	93 75	98 75	89 69	91 64	87 71	71 61	67 64	84 64	77 53	76 55	84 66	85 62	88 67	86 68	84 72	79 65	75 61	80 57	86.0 68.6	
WILMGTON PORTER RESVR	MID	MAX MIN	90 73	94 74	96 76	92 75	92 74	90 72	90 73	91 71	94 69	93 78	93 76	94 77	92 77	93 77	96 77	87 69	90 67	85 68	70 60	68 61	80 63	78 55	74 55	84 65	83 63	87 64	83 70	87 69	79 68	74 63	79 53	86.6 68.8	
SOUTHERN	02																																		
DOVER	17	MAX MIN	92 71	92 72	89 73	89 72	91 73	91 74	92 74	93 74	92 69	93 73	95 76	97 72	96 74	98 77	100 78	98 68	95 63	90 73	89 61	71 61	81 58	79 57	77 56	86 67	87 63	91 68	89 67	86 67	83 68	71 68	87 58	89.0 68.5	
GEORGETOWN 5 SW	08	MAX MIN	92 72	91 69	90 71	88 70	88 71	91 72	89 68	89 69	93 68	91 73	90 71	90 75	91 71	94 73	92 75	96 69	89 61	94 73	89 67	81 65	69 64	80 57	77 54	84 67	79 64	87 68	90 69	89 73	88 65	72 58	87.4 67.9		
GREENWOOD 2 NE	18	MAX MIN	91 73	92 72	92 72	90 72	90 72	89 70	91 71	94 72	94 70	90 73	88 78	92 80	95 78	96 82	98 68	92 68	97 70	95 80	80 65	71 66	83 66	82 56	80 57	86 72	86 68	92 70	91 74	90 72	85 66	73 60	80 60	88.5 70.7	
LEWES	17	MAX MIN	89 75	90 72	90 71	89 71	90 73	86 71	88 74	91 73	90 73	88 75	90 77	93 75	94 76	93 74	97 76	96 71	95 65	92 64	67 63	78 66	86 66	87 62	78 58	86 69	87 66	89 70	87 72	86 73	86 75	77 61	70.4 70.4		
MILFORD 4 SE	17	MAX MIN	89 73	88 71	87 73	86 71	90 71	86 67	90 74	89 72	89 70	89 73	100 76	93 74	94 75	93 74	97 76	95 70	92 61	92 73	89 65	69 65	81 65	78 62	76 54	85 69	86 64	88 67	87 69	86 69	85 73	83 67	76 56	87.4 69.0	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

EVAPORATION AND WIND

MARYLAND AND
DELAWARE
AUGUST 1988

STATION		DAY OF MONTH																															AUGUST 1988	
		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	TOTAL OR AVG	
MARYLAND																																		
UPPER SOUTHERN	04																																	
BELTSVILLE		WIND	15	11	16	31	36	*	56	10	6	10	2	16	4	14	30	31	20	29	14	11	5	17	13	36	21	23	20	32	28	34	12	603
		EVAP	22	21	21	26	25	*	63	24	26	21	18	24	19	23	32	39	25	25	18	15	2	21	22	6	25	25	24	22	5	12	11	6.62
		MAX	88	100	99	97	95	-	97	99	100	102	101	101	100	104	100	95	99	91	80	80	90	90	75	95	91	91	95	95	78	80	93.4	
		MIN	75	75	76	75	75	-	73	72	71	77	78	78	80	77	72	71	73	69	64	65	62	58	66	69	68	69	68	67	68	62	70.8	
UPPER MARLBORO 3 NNW																																	M	
		WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		EVAP	26	19	24	25	26	25	25	25	27	22	19	21	21	28	30	29	27	25	22	10	2	21	19	6	20	22	18	19	7	11	9	6.30
		MAX	86	98	100	100	100	78	76	90	84	88	94	96	84	90	90	96	86	98	92	78	72	82	66	70	94	92	80	90	84	78	74	86.3
		MIN	78	78	78	76	76	74	72	74	72	72	74	76	76	72	74	70	70	70	65	66	66	62	60	64	68	66	66	68	70	68	60	70.4
ALLEGHENY PLATEAU 08																																		
SAVAGE RIVER DAM		WIND	33	11	6	15	14	7	15	31	16	4	2	5	8	2	16	34	41	57	34	5	4	15	3	3	14	12	11	6	4	4	3	435
		EVAP	33	30	13	32	17	25	17	22	29	19	14	19	7	21	16	37	32	21	34	-	17	31	15	-	11	26	22	5	22	-	28	6.818
		MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
		MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
DELAWARE																																		
NORTHERN	01																																	
NEWARK UNIVERSITY FARM		WIND	11	11	14	18	16	14	20	17	9	17	18	20	22	25	41	54	21	45	12	13	22	24	24	40	23	14	19	18	34	16	10	662
		EVAP	20	7	17	16	39	14	19	36	10	21	24	18	27	17	29	42	25	29	22	9	2	6	21	-	17	17	21	12	-	6	7	5.888
		MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
		MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
SOUTHERN 02																																		
GEORGETOWN 5 SW		WIND	39	25	33	38	55	40	55	30	29	61	69	100	106	74	25	106	56	71	66	47	31	58	36	95	58	59	57	69	108	105	35	1936
		EVAP	23	24	25	24	24	22	29	19	37	21	10	26	33	25	42	38	42	14	27	29	4	29	10	19	35	22	37	13	16	18	8	7.45
		MAX	98	98	100	98	95	96	91	97	100	97	98	93	96	97	96	98	93	94	95	84	68	86	87	80	78	91	84	93	90	85	75	91.3
		MIN	77	76	77	75	74	75	72	75	75	76	76	75	72	73	75	72	68	71	67	66	67	60	60	64	71	69	68	70	73	67	63	70.9

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
AUGUST 1988

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	0193	04	ANNE ARUNDEL	38 59	76 30W	25	17	17		C H	ANNAPOLIS POLICE BRKS
ASSATEAGUE ISLAND NATL	0333	01	WORCESTER	38 14	75 8W	7	07	07		C H	NATIONAL PARK SERVICE
BALTIMORE WSO AP	0465	04	ANNE ARUNDEL	39 11	76 40W	196	MID	MID		C H	NATL WEATHER SERVICE
BALTIMORE WSO C1	0470	06	BALTO CITY	39 17	76 37W	91	MID	MID		C H	OCMI COMMANDING OFFICER
BELTSVILLE	0700	04	PRN GEORGES	39 2	76 53W	120	08	08		C H	U S DEPT OF AGRICULTURE
BENSON POLICE BARRACKS	0732	06	HARFORD	39 30	76 23W	365	17	17		C H	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		C H	WASTEWATER TRMT PLANT
CATOCTIN MOUNTAIN PARK	1530	06	FREDERICK	39 39	77 29W	1610	17	17		C H	CATOCTIN MOUNTAIN PARK
CHESTERTOWN	1750	09	KENT	39 13	76 4W	40	23	23		C H	THOMAS W ELIASON JR
CLARKSVILLE 3 NNE	1862	06	HOWARD	39 15	76 56W	365	17	17		C H	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		C H	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		H	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		H	RICHARD W SCHWERDT
DENTON 2 E	2523	02	CAROLINE	38 53	75 48W	50	17	17		H	ARTHUR REINHOLD
EDGE MONT	2770	07	WASHINGTON	39 40	77 33W	905		07			JOHN W HARNE
EMMITSBURG 2 SE	2906	06	FREDERICK	39 41	77 18W	416	17	17		H	MRS LUCILLE K BEALE
FREDRICK POLICE BRKS	3348	06	FREDERICK	39 25	77 26W	380	17	17		H	MARYLAND STATE POLICE
FREDERICK 3 E	3355	06	FREDERICK	39 24	77 22W	385		07			MISS I MARY STALEY
FROSTBURG 2	3415	07	ALLEGANY	39 40	78 56W	2170	07	07		H	LEE K CLOSE
GLENN DALE BELL STN	3675	04	PRN GEORGES	38 58	76 48W	150	16	16		H	USDA FLT 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 H	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		03			DELWOOD E MERRILL
MILLERS 4 NE	5934	06	CARROLL	39 43	76 48W	860	18	18		C H	ROBERT P MILLER
MILLINGTON 1 SE	5985	05	KENT	39 16	75 52W	30	18	18		H	HOWARD L HARVEY
NATIONAL ARBORETUM D C	6350	04		38 54	76 59W	50	08	08		H	U S NATL ARBORETUM
OAKLAND 1 SE	6620	08	GARRETT	39 24	79 24W	2420	17	17		H	BEA J CROSCO
OWINGS FERRY LANDING	6770	03	CALVERT	38 41	76 40W	160	17	17		H	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			POTOMAC WATER FILT PLT
PRINCESS ANNE	7330	01	SOMERSET	38 13	75 41W	20	17	17		H	UNIVERSITY MARYLAND EAST
ROCKVILLE 1 NE	7705	06	MONTGOMERY	39 6	77 6W	440	17	17		H	WASH GAS & LIGHT CO
ROYAL OAK 2 SSW	7806	02	TALBOT	38 43	76 11W	10	18	18		H	JOHN 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		H	FAA
SAVAGE RIVER DAM	8065	08	GARRETT	39 31	79 8W	1495	08	08		C H	U S CORPS OF ENGINEERS
SNOW HILL 4 N	8380	01	WORCESTER	38 14	75 23W	28	18	18		H	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		C H	CAROLINE R VON EIFF
UPPER MARLBORO 3 NNW	9070	04	PRN GEORGES	38 52	76 47W	98	08	08		C H	TOBACCO EXP FARM
VIENNA	9140	02	DORCHESTER	38 29	75 50W	12	18	18		H	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		H	JOHN A HILTZ

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
AUGUST 1988

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 9	75 31W	30	17	17		H	STATE DIV OF HIGHWAYS
GEORGETOWN 5 SW	35700	002	SUSSEX	38 38	75 27W	45	08	08	08C	H	UNIV OF DEL SUBSTATION
GREENWOOD 2 NE	35950	002	SUSSEX	38 50	75 35W	45	18	18		H	DANIEL M SWARTZENTRUBER
LEWES	53200	002	SUSSEX	38 46	75 6W	15	17	17		H	BOARD OF PUBLIC WORKS
MIDDLETOWN 3 E	58520	001	NEW CASTLE	39 27	75 40W	55	17	17		H	DAVID S NEYHARD
MILFORD 4 SE	59150	002	SUSSEX	38 54	75 26W	30	17	17		H	DAVID S SCHLOTT
NEWARK UNIVERSITY FARM	64100	001	NEW CASTLE	39 40	75 44W	90	17	17	17C	H	UNIV OF DELAWARE
WILMINGTON WSO AP	95950	001	NEW CASTLE	39 40	75 36W	79	MID	MID	C	H J	NATL WEATHER SERVICE
WILMGTON PORTER RESVR	96050	001	NEW CASTLE	39 46	75 32W	274	MID	MID		H	WATER DEPARTMENT

SEE REFERENCE NOTES FOLLOWING STATION INDEX

REFERENCE NOTES

MARYLAND AND
DELAWARE
AUGUST 1988

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. The data are also available in digital form on magnetic tape and diskette.

SUBSCRIPTION, PRICE AND ORDERING INFORMATION AVAILABLE FROM:

NATIONAL CLIMATIC DATA CENTER
FEDERAL BUILDING
ASHEVILLE, NC 28801-2696

USCOMM-NOAA-ASHEVILLE, N.C. AUGUST 1988-0585

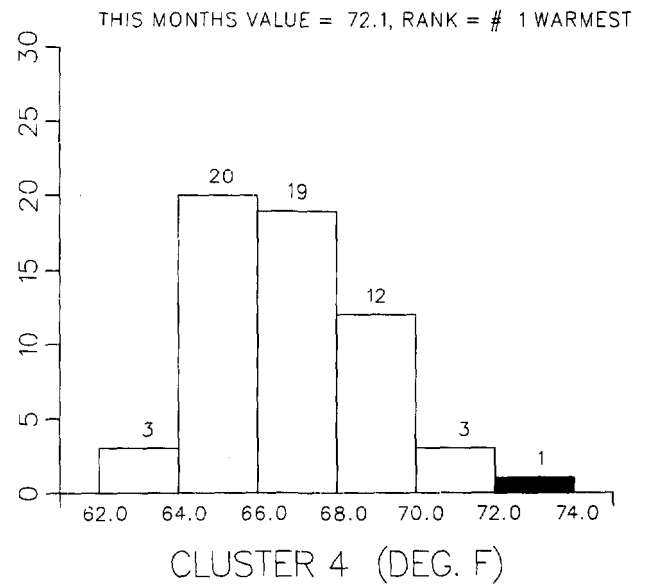
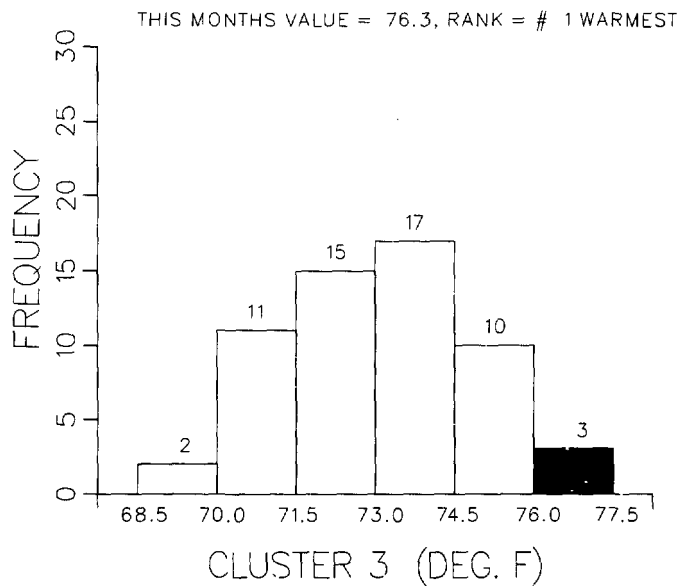
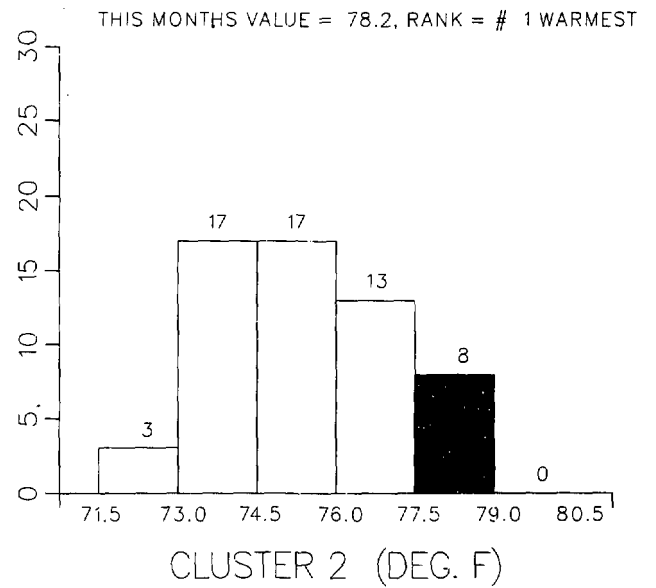
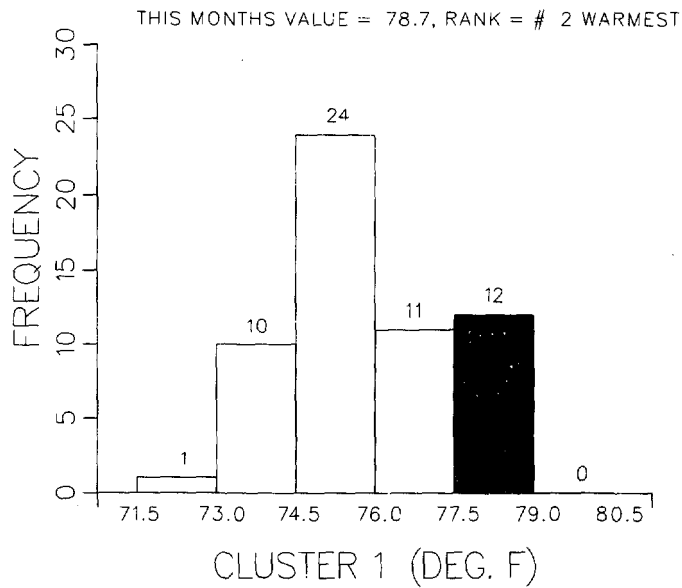
MEAN MONTHLY TEMPERATURE FREQUENCY DISTRIBUTION FOR PERIOD OF RECORD 1931-1988 FOR MONTH OF AUGUST MARYLAND

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

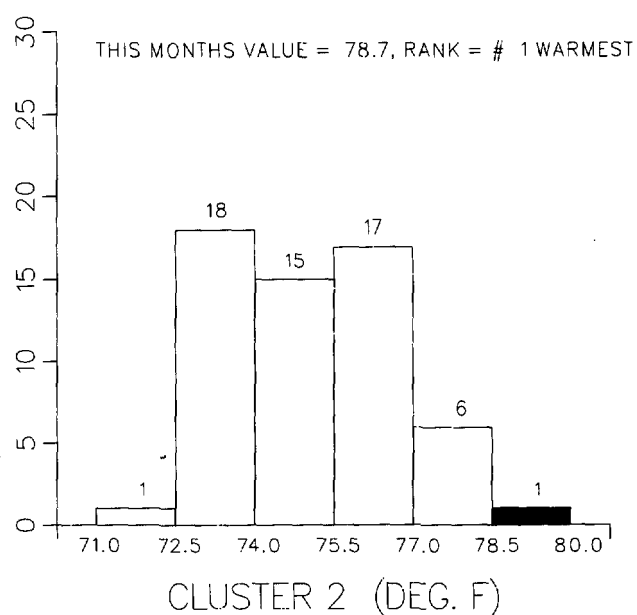
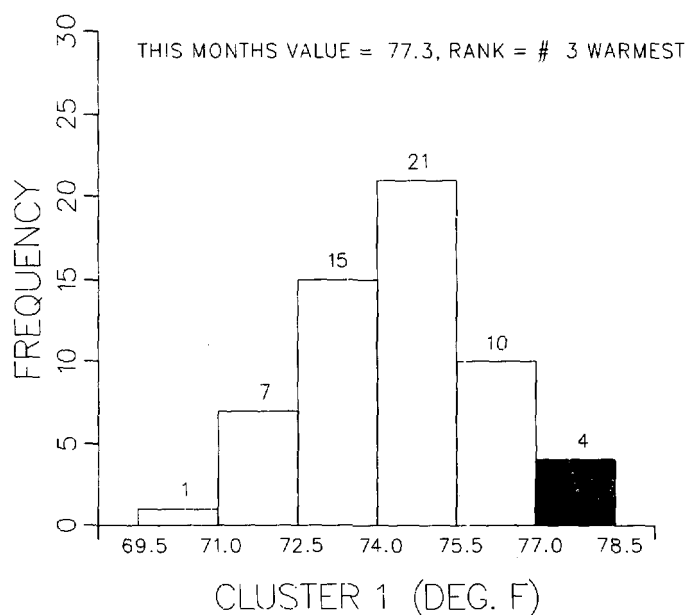
CLUSTER 4 -DIVISION(S):
ALLEGHENY PLATEAU 08



MEAN MONTHLY TEMPERATURE FREQUENCY DISTRIBUTION
FOR PERIOD OF RECORD 1931-1988
FOR MONTH OF AUGUST
DELAWARE

CLUSTER 1 -DIVISION(S):
NORTHERN 01

CLUSTER 2 -DIVISION(S):
SOUTHERN 02



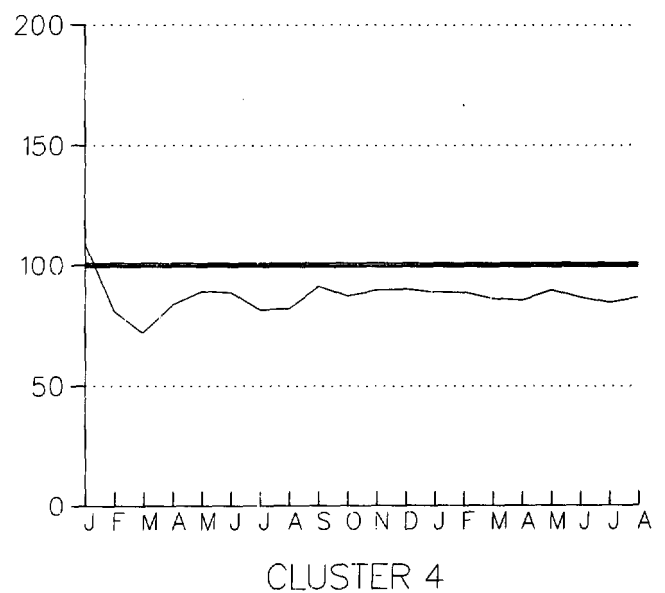
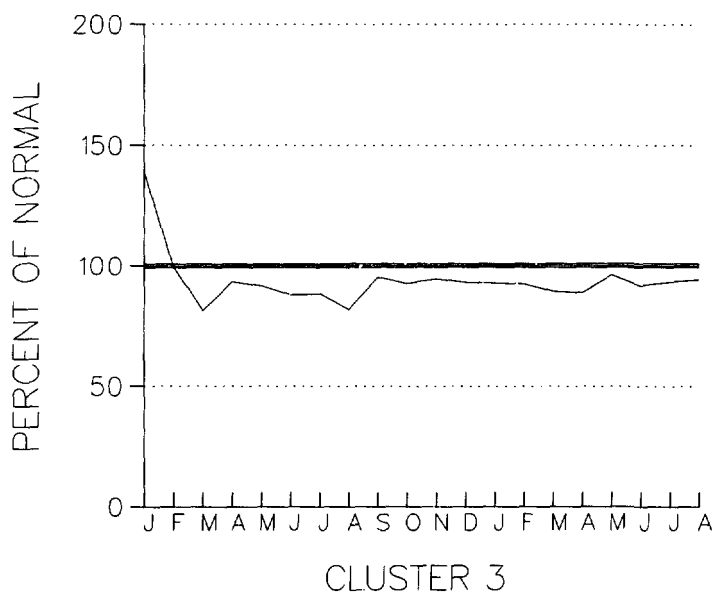
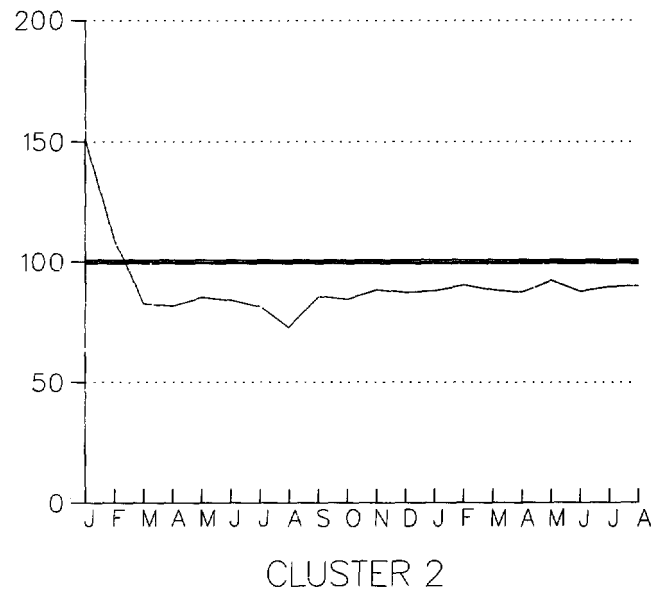
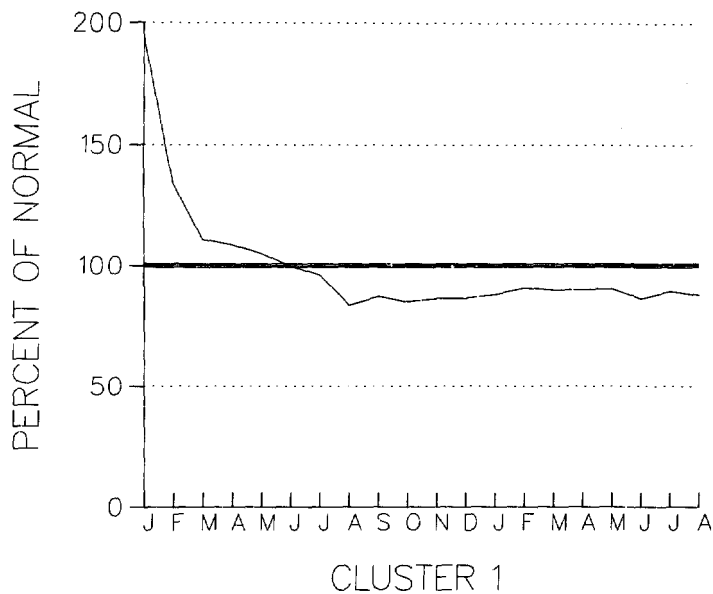
CUMULATIVE PRECIPITATION DEPARTURES FROM NORMAL (1951-1980) FOR THE LAST 20 MONTHS ENDING AUGUST 1988 MARYLAND

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



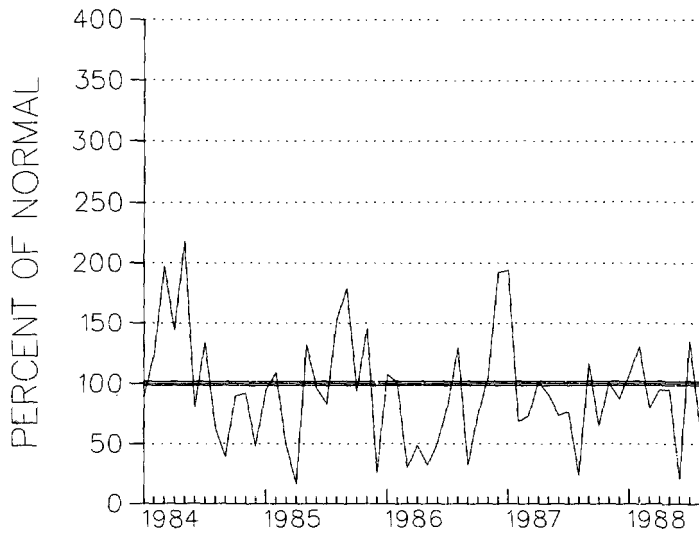
PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)
FOR THE 56 MONTHS
ENDING AUGUST 1988
MARYLAND

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

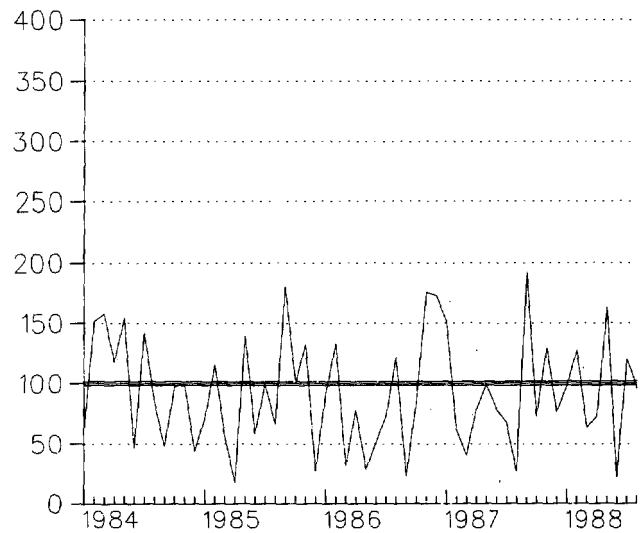
CLUSTER 2 -DIVISION(S):
UPPER SOUTHERN 04
NORTHERN EASTERN SHORE 05

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

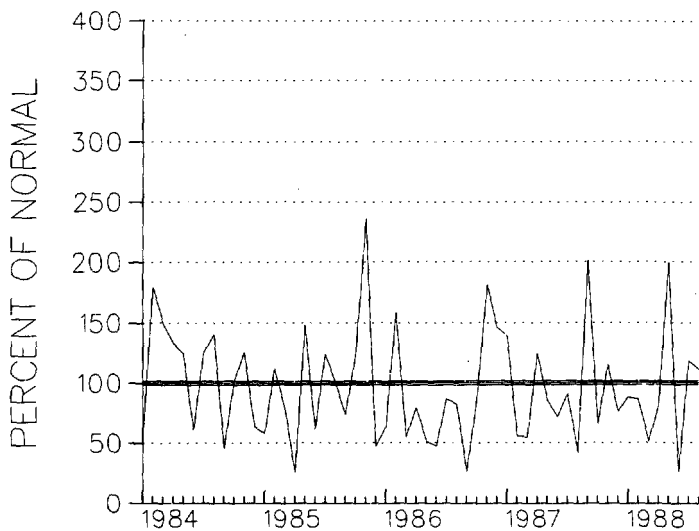
CLUSTER 4 -DIVISION(S):
ALLEGHENY PLATEAU 08



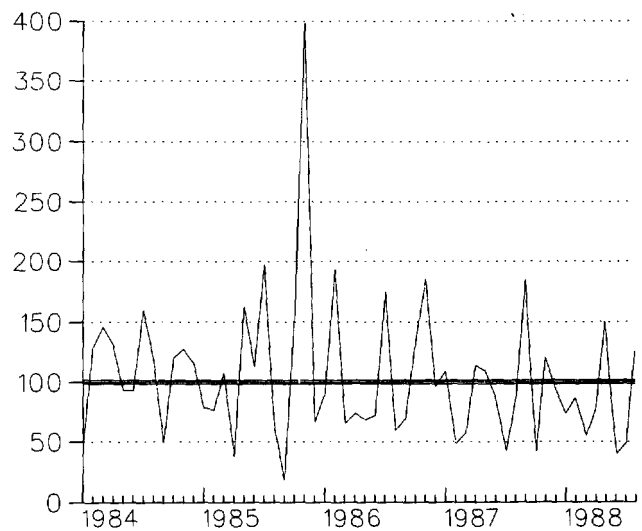
CLUSTER 1



CLUSTER 2



CLUSTER 3

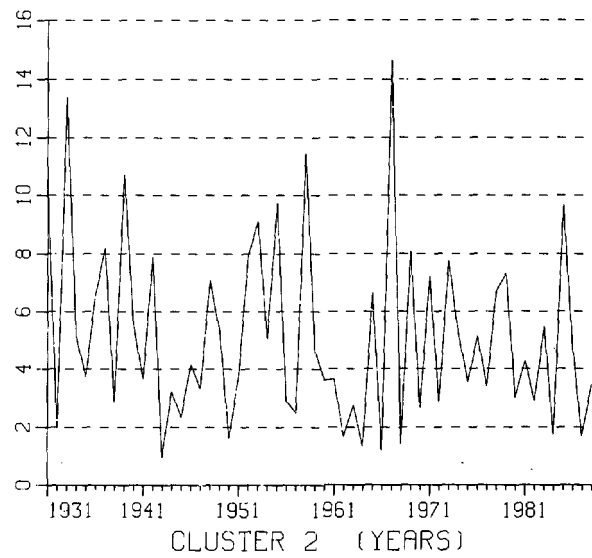
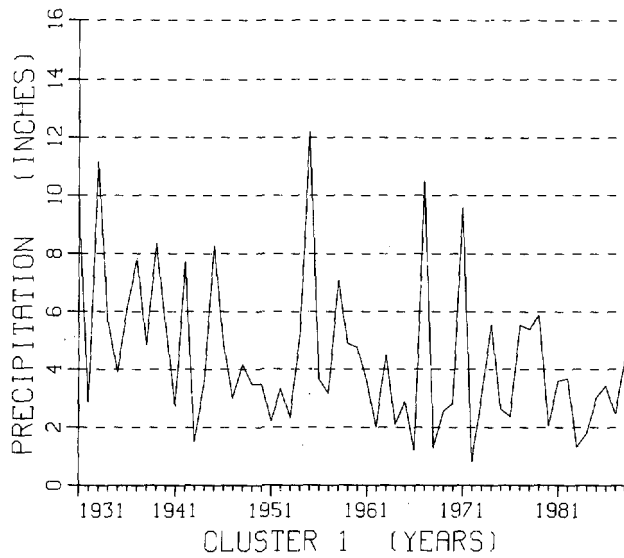


CLUSTER 4

MEAN MONTHLY PRECIPITATION FOR
THE MONTH OF: AUGUST
THE PERIOD OF: 1931 - 1988
DELAWARE

CLUSTER 1 -DIVISION(S):
NORTHERN 01

CLUSTER 2 -DIVISION(S):
SOUTHERN 02



18 - MARYLAND & D.C.

ALBERT EQUAL AREA PROJECTION
STANDARD PARALLELS AT 20.5 AND 45.5 DEGS.

STATUTE MILES

STATION LEGEND

DATA PUBLISHED IN:

- CLIMATOLOGICAL DATA
- HOURLY PRECIPITATION DATA
- △ CLIMATOLOGICAL DATA AND HOURLY PRECIPITATION DATA

For further information, refer to the station index and references notes.

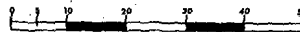
DIVISIONS

- 1 SOUTHERN EASTERN SHORE
- 2 CENTRAL EASTERN SHORE
- 3 LOWER SOUTHERN
- 4 UPPER SOUTHERN
- 5 NORTHERN EASTERN SHORE
- 6 NORTHERN CENTRAL
- 7 APPALACHIAN MOUNTAIN
- 8 ALLEGHENY PLATEAU

The map displays the state of Maryland and the District of Columbia, divided into eight numbered regions. Station locations are marked with symbols corresponding to the legend: solid circles for climatological data, solid squares for hourly precipitation data, and solid triangles for both climatological data and hourly precipitation data. Key locations labeled include Frostburg, Hancock Fruit Laba, Hagerstown, Edgemont, Capital City, Annapolis, Baltimore, Washington, D.C., and various police barracks and dams. The Potomac River and Chesapeake Bay are also shown.

ALBERS EQUAL AREA PROJECTION
STANDARD PARALLELS AT 29.5 AND 45.5 DEGS.

STATUTE MILES

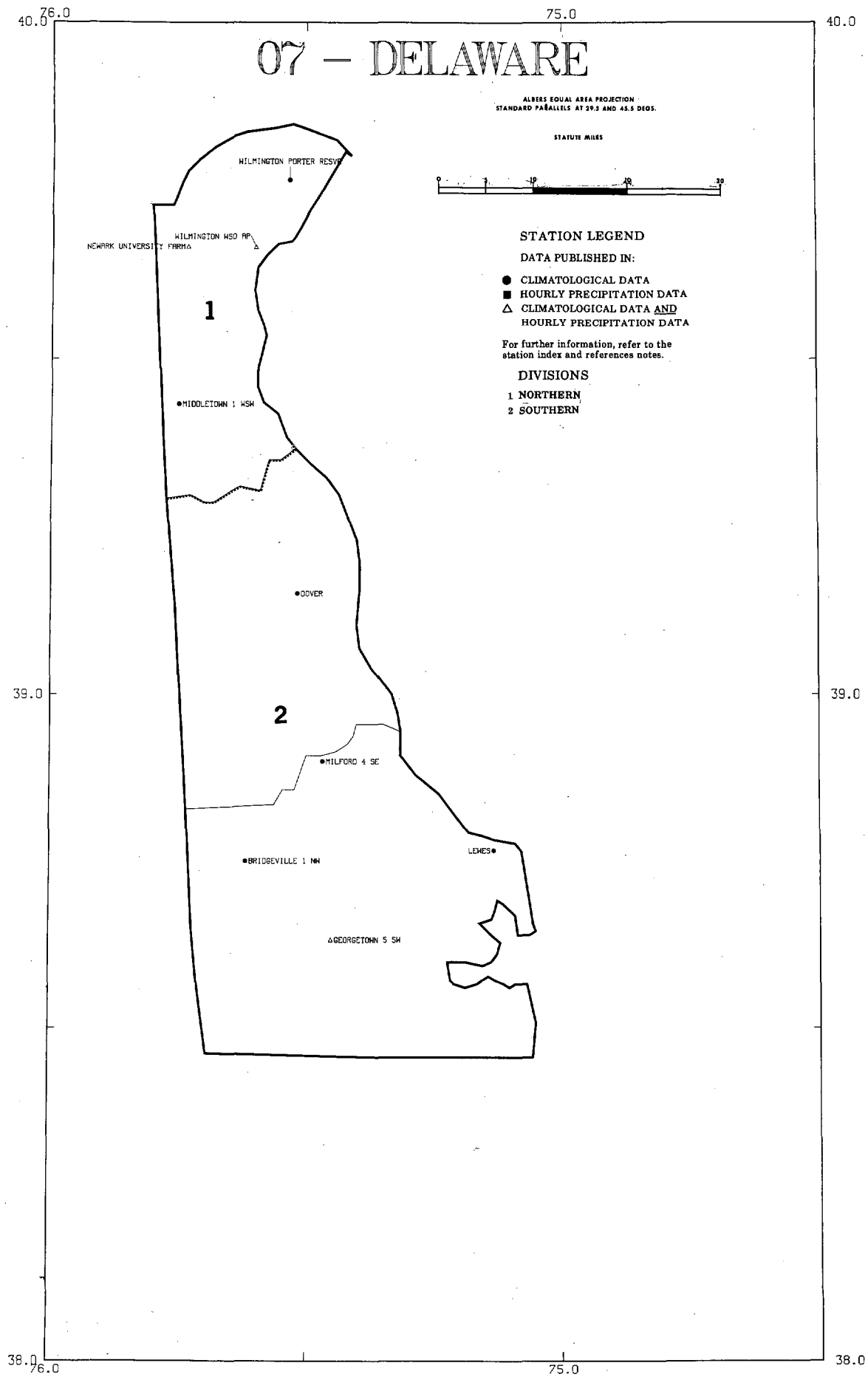


DATA PUBLISHED IN:

- CLIMATOLOGICAL DATA
- HOURLY PRECIPITATION DATA
- △ CLIMATOLOGICAL DATA AND HOURLY PRECIPITATION DATA

For further information, refer to the station index and references notes.

- 1 SOUTHERN EASTERN SHORE
- 2 CENTRAL EASTERN SHORE
- 3 LOWER SOUTHERN
- 4 UPPER SOUTHERN
- 5 NORTHERN EASTERN SHORE
- 6 NORTHERN CENTRAL
- 7 APPALACHIAN MOUNTAIN
- 8 ALLEGHENY PLATEAU



MONTHLY PRECIPITATION TOTALS

ANNUAL 1987
NORTH CAROLINA

STATION	ANNUAL	MONTH										JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
NORTH CAROLINA																							
ASHEVILLE WSO AP	34.57	1.11	1.85	2.75	0.57	3.55														4.19	5.28	4.28	
ASHEVILLE	25.67	0.71	1.57	1.81	0.53	2.67														2.77	4.15	2.94	
ASHFORD	36.74E	1.20	2.70	2.90	0.54E															3.80	4.90	4.80	
BADIN		1.70	1.50	3.60	1.20															2.40	4.10	2.90	
B EVERETT JORDAN DAM																					1.70		
BOOMER 5 WSW		1.00	2.10																				
BURLINGTON 3 NNE		0.90	1.92E																				
CAPE HATTERAS WSO	46.85	5.75																					
CARLISLE 6 SE		1.70																					
CATAWBOOCH		0.63																					
CHARLOTTE WSO AP	25.91																						
CLINTON 2 NE	35.91																						
CALTON																							
EDEN																							

ISSN 0364-6319

HOURLY PRECIPITATION DATA NORTH CAROLINA

DECEMBER 1987
WITH ANNUAL SUPPLEMENT
VOLUME 37 NUMBER 12

A WORK
INFO

* Atto

* Co

* C

* *

* *

NORTH CAROLINA

HOURLY PRECIPITATION DATA NORTH CAROLINA

DECEMBER 1987
WITH ANNUAL SUPPLEMENT
VOLUME 37 NUMBER 12

31 - NORTH CAROLINA

A WORLD OF CLIMATIC
INFORMATION FOR . . .

- * Attorneys
- * Colleges & Universities
- * Construction
- * Consultants
- * Governmental Agencies
- * Industry
- * Insurance Companies
- * Public Utilities
- * Research & Development
- * Energy

ISSN 0364-6319

HOURLY PRECIPITATION DATA

NORTH CAROLINA

JANUARY 1987

VOLUME 37 NUMBER 1



HOURLY PRECIPITATION DATA is published monthly and presents daily, hourly, and maximum short duration data for recording rain gage stations in each state except Alaska. Also included are a published station index and a locator map for the state. In addition to the regularly published data, the December publication contains a tabulation of monthly and annual total precipitation amounts as an annual supplement.

SHELF STOCK of the printed publication is maintained only for the most recent 3 years. Earlier years are available on microfiche or paper copies reproduced from microfiche. The data is also available in digital form - on magnetic tape or floppy disk.

For further information,
call or write to the
NATIONAL CLIMATIC DATA CENTER

Federal Building, Asheville, N. C. 28801-2696
Phone (704) 259-0682 or (704) CLIMATE

noaa

NATIONAL
OCEANIC AND
ATMOSPHERIC ADMINISTRATION

NATIONAL
ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

National Oceanic and Atmospheric Administration

NATIONAL CLIMATIC DATA CENTER

World's Largest Weather Records Archive

WHY DO YOU NEED WEATHER DATA?



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



WHAT TYPE OF INFORMATION DO YOU NEED?



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



WHICH OUTPUT MEDIA IS BEST FOR YOU?



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



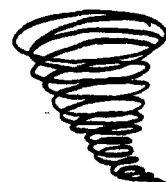
Call or write NCDC and explain your weather related problem.
Our meteorologists will provide the best possible solution.



NATIONAL CLIMATIC DATA CENTER

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

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



A WORLD OF INFORMATION

For.

- * Industry
- * Research and Development
- * Public Utilities
- * Government Agencies
- * Attorneys
- * Construction
- * Consultants
- * Insurance Companies
- * Colleges and Universities
- * Energy

For,

- * Industry
- * Research and Development
- * Public Utilities
- * Government Agencies
- * Attorneys
- * Construction
- * Consultants
- * Insurance Companies
- * Colleges and Universities
- * Energy

ARIZONA

DECEMBER
WITH ANNUAL SUPPLEMENT

ARIZONA

VOLUME 35 NUMBER



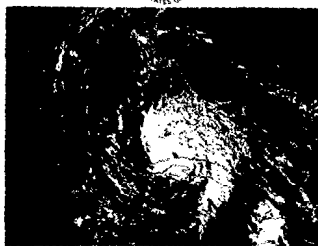
NUMBER 13

LOCAL CLIMATOLOGICAL DATA Monthly Summary

[illegible]

1. CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF
THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
AND IS LOANED FROM A DONOR RECEIVED AT THE
NATIONAL CLIMATE DATA CENTER, ASHVILLE, NORTH CAROLINA
(2001)

noaa

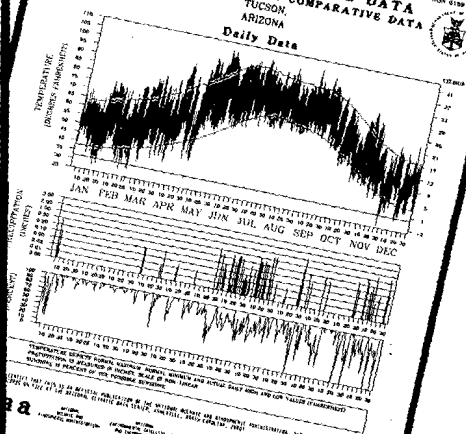


7. CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION AND IS DERIVED FROM INFORMATION RECEIVED AT THE NATIONAL CLIMATIC DATA CENTER ASHEVILLE, N.C. (001)

Kenneth D. Naulton
DIRECTOR
NATIONAL CLIMATE DATA CENTER

Inoaa

ARIZONA
Daily News



100-443887-100
 J. Edgar Hoover
 Director

CD

VALIDATED BY:

Ted Burlew
Betty Edstrom
Bruce Emory
Joyce Morgan
Betty Shuford

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

*TO CHANGE YOUR ADDRESS, PLEASE RETURN A COPY OF
THE MAILING LABEL ALONG WITH YOUR NEW ADDRESS.*

BULK RATE
POSTAGE & FEES PAID
United States Department Of Commerce
NOAA Permit No. G - 19