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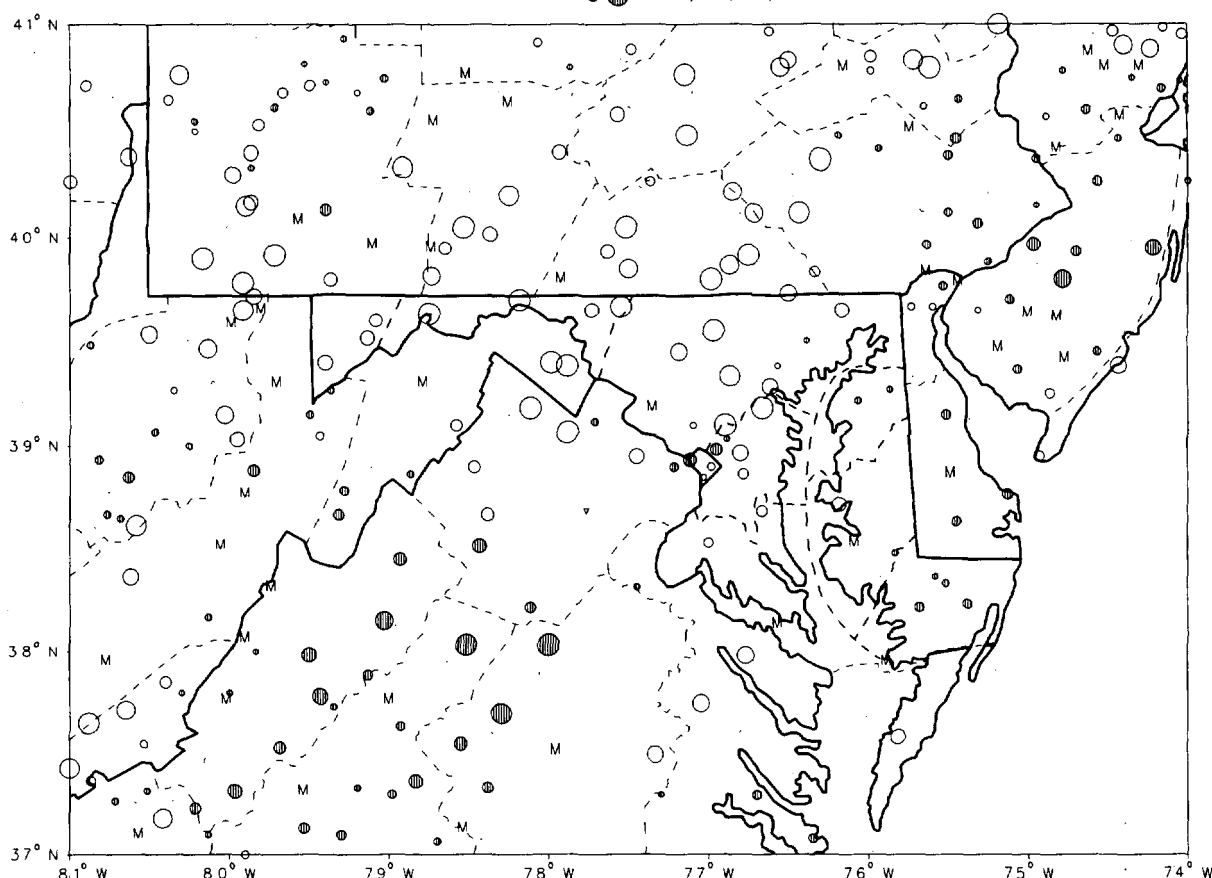
CLIMATOLOGICAL DATA MARYLAND AND DELAWARE

JULY 1991

VOLUME 95 NUMBER 7

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

- M INCOMPLETE DATA FOR THE MONTH
v 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 (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. Haden

DIRECTOR, NATIONAL CLIMATIC DATA CENTER

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ASHEVILLE NORTH CAROLINA

TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND AND
DELAWARE
JULY 1991

MARYLAND
HIGHEST TEMPERATURE 105
LOWEST TEMPERATURE 46
GREATEST TOTAL PRECIPITATION 7.91
LEAST TOTAL PRECIPITATION .88
GREATEST 1 DAY PRECIPITATION 5.04

DELAWARE
HIGHEST TEMPERATURE 101
LOWEST TEMPERATURE 58
GREATEST TOTAL PRECIPITATION 6.86
LEAST TOTAL PRECIPITATION 3.71
GREATEST 1 DAY PRECIPITATION 3.61

JULY 23
JULY 16

JULY 25

JULY 23
JULY 16

JULY 27

CONOWINGO DAM
OAKLAND 1 SE
DALECARLIA RESVR DC
CUMBERLAND 2
DALECARLIA RESVR DC

NEWARK UNIVERSITY FARM
2 STATIONS
LEWES
WILMINGTON WSO ARPT R
DOVER

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
JULY 1991

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		
											MAX	MIN	N	TOTAL					MAX. DEPTH ON GROUND	DATE	1.0 OR MORE	.50 OR MORE	1.00 OR MORE			
																								90 OR ABOVE	32 OR BELOW	32 OR BELOW
MARYLAND																										
SOUTHERN EASTERN SHORE 01																										
ASSATEAGUE IS NATL SEA	82.5	69.1	75.8		95	23+	64	13	0	343	5	0	0	0	5.12		1.10	2	.0		8	6	1			
PRINCESS ANNE	89.1	65.8	77.5	1.5	98	24+	56	16	0	395	14	0	0	0	5.82	2.00	2.24	27	.0		8	4	2			
SALISBURY	88.9	70.0	79.5	2.5	98	23+	63	17+	0	459	12	0	0	0	4.07	.31	1.58	27	.0		8	3	1			
SALISBURY FAA ARPT	86.9	68.5	77.7	1.2	98	23+	58	17	0	401	10	0	0	0	5.31	.91	1.44	27	.0		8	3	2			
SNOW HILL 4 N	88.6	68.7	78.7	2.8	97	23	56	17	0	432	11	0	0	0	6.00	2.01	1.14	27	.0		10	6	2			
--DIVISIONAL DATA-->			77.8	1.2											5.26	1.33			.0							
CENTRAL EASTERN SHORE 02																										
CAMBRIDGE WATER TRMT P	89.1	70.8	80.0	2.3	99	23+	62	28	0	471	17	0	0	0	3.22	-1.17	1.00	27	M	M	5	4	1			
ROYAL OAK 2 SSW	91.6	63.6	77.6	.2	99	24+	56	17	0	400	23	0	0	0	4.58	.64	1.09	27	.0		7	4	1			
VIENNA																										
--DIVISIONAL DATA-->			78.8	1.6											3.90	-.24			.0							
LOWER SOUTHERN 03																										
LA PLATA 1 W	87.3	68.9	78.1	2.2	97	23	62	16	0	414	10	0	0	0	3.49	-.54	1.04	27	.0		6	3	1			
MECHANICSVILLE 5 NE	87.4	69.0	78.2		100	23	60	28+	0	417	12	0	0	0	2.02		.73	8	.0		4	2	0			
OWINGS FERRY LANDING	88.7	68.4	78.6	2.3	100	23	60	16	0	426	14	0	0	0	3.04	-.62	1.24	24	.0		4	1	1			
--DIVISIONAL DATA-->			78.3	1.6											2.85	-1.25			.0							
UPPER SOUTHERN 04																										
ANNAPOLIS POLICE BRKS	91.6	70.0	80.8		103	23	61	28	0	500	18	0	0	0	3.42		.96	8	.0		6	3	0			
BALTIMORE WSO ARPT	89.5	69.5	79.5	2.7	102	23	60	28	0	462	16	0	0	0	1.76	-2.13	.50	26	T	T	6	1	0			
BELTSVILLE	89.6	68.0	78.8	3.6	101	24	59	28+	0	437	17	0	0	0	4.41	.27	1.99	25	.0		9	2	1			
COLLEGE PARK	90.2	71.0	80.6	3.4	103	24	62	28+	0	491	19	0	0	0	7.35	3.29	3.94	25	.0		8	3	2			
DALECARLIA RESVR DC	91.6	62.5	77.1	-1.1	101	24+	54	16+	0	384	22	0	0	0	7.91	3.87	5.04	25	.0		8	3	1			
GLENN DALE BELL STN	91.0	66.6	78.8	3.2	100	23+	57	16	0	435	21	0	0	0	2.91	-1.40	.65	27	.0		7	2	0			
LAUREL 3 W	90.3	68.5	79.4	2.2	102	23	61	29	0	452	17	0	0	0	1.84	-2.04	.50	8	.0		6	1	0			
NATIONAL ARBORETUM DC	90.3	70.2	80.3	2.6	102	24	62	28	0	480	20	0	0	0	3.92	-.28	.71	8	.0		12	1	0			
UPPER MARLBORO 3 NNW	89.5	66.5	78.0		102	24	57	16	0	410	17	0	0	0	3.45	-.61	.69	24	.0		10	2	0			
--DIVISIONAL DATA-->			79.3	2.8											4.11	.12			.0							
NORTHERN EASTERN SHORE 05																										
CHESTERTOWN	88.1	67.8	78.0	1.1	100	23+	61	28+	0	409	15	0	0	0	4.67	.73	1.19	25	.0		7	4	2			
MILLINGTON 1 SE	87.1	67.5	77.3	1.7	97	23+	58	16	0	386	12	0	0	0	4.25	.38	1.27	25	.0		6	3	2			
--DIVISIONAL DATA-->			77.7	1.2											4.46	.53			.0							
NORTHERN CENTRAL 06																										
ABERDEEN PHILLIPS FLD	86.8	69.5	78.2		100	24	62	16+	0	414	7	0	0	0	2.99				.0		3	1	0			
BALTIMORE WSO CITY	90.3	75.8	83.1	3.2	104	21	69	28	0	569	15	0	0	0	2.72	-1.31	2.07	26	M	M	4	1	1			
BENSON POLICE BARRACKS	90.3	68.8	79.6	4.7	103	23	59	28	0	457	20	0	0	0	4.42	.07	1.27	13	.0		10	4	2			
CATOCTIN MOUNTAIN PARK	82.7	65.9	74.3		93	24+	59	29	0	298	4	0	0	0	2.61		.78	26	.0		6	2	0			
CLARKSVILLE 3 NNE	90.0	65.5	77.8		102	23+	55	28+	0	405	15	0	0	0	2.10		.51	8	.0		6	1	0			
CONOWINGO DAM	91.0	63.2	77.1	2.0	105	23+	53	16	0	386	19	0	0	0	3.19	-1.18	1.21	13	.0		5	2	2			
DAMASCUS 2 SW	86.8	66.9	76.9		97	23+	59	28	0	377	11	0	0	0	2.60		.74	8	.0		8	2	0			
EMMITSBURG 2 SE	89.3	66.2	77.8		101	23	55	16	0	401	14	0	0	0	3.31		1.10	7	.0		7	4	1			
FREDERICK POLICE BRKS	91.6	69.8	80.7		102	24	60	28	0	495	20	0	0	0	1.17		.32	29	.0		5	0	0			
MILLERS 4 NE	86.9	66.4	76.7		98	23	57	10	0	371	9	0	0	0	1.39		.49	13	.0		5	0	0			
ROCKVILLE 1 NE	86.4	69.4	77.9	2.2	97	23	61	16	0	408	10	0	0	0	3.65	-.13	.96	2	.0		8	3	0			
TOWSON	88.5	68.8	78.7		99	23+	62	28+	0	432	12	0	0	0	4.08	-.05	1.90	26	.0		7	2	1			

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
JULY 1991

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	0 OR BELOW					TOTAL	MAX. DEPTH ON GROUND	DATE	10. OR MORE	50. OR MORE	1.00 OR MORE
UNIONVILLE	89.0	65.3	77.2	3.6	101	23	54	28+	0	385	14	0	0	0	2.35	-1.24	.93	6	.0	0		5	2	0
WESTMINSTER POLICE BRK	89.5	68.0	78.8	4.6	101	23	56	12	0	434	17	0	0	0	1.50	-2.50	1.08	7	.0	0		2	1	0
WOODSTOCK	90.4	67.3	78.9	4.0	101	23+	57	28	0	435	20	0	0	0	1.92	-1.64	.69	13	.0	0		2	2	0
--DIVISIONAL DATA----->			78.2	3.1											2.67	-1.23			.0					
APPALACHIAN MOUNTAIN 07																								
CUMBERLAND 2	91.1	65.3	78.2	3.8	101	23	56	15+	0	417	18	0	0	0	.88	-2.31	.27	5	.0	0		3	0	0
FROSTBURG 2	80.5	61.9	71.2		90	24+	51	16	3	202	2	0	0	0	2.13		.82	5	.0	0		6	1	0
HAGERSTOWN		M	M		101	7	59	15			8	0	0	0	2.45	-.89			.0	0		2	1	0
HANCOCK	89.8	65.0	77.4	4.5	102	24	54	15	0	392	17	0	0	0	1.65	-1.91	.40	6	.0	0		7	0	0
--DIVISIONAL DATA----->			75.6	2.2											1.78	-1.64			.0					
ALLEGHENY PLATEAU 08																								
MC HENRY 2 NW	79.9	61.5	70.7		88	19	53	15	7	189	0	0	0	0	4.43		1.83	5	.0	0		10	1	1
OAKLAND 1 SE	81.4	60.0	70.7	3.3	89	7	46	16	3	186	0	0	0	0	3.28	-1.40	.67	8	.0	0		10	1	0
SAVAGE RIVER DAM	83.1	61.3	72.2	2.7	92	22+	50	15	2	233	6	0	0	0	2.67	-.95	.74	5	.0	0		7	2	0
--DIVISIONAL DATA----->			71.2	3.5											3.46	-.81			.0					
DELAWARE																								
NORTHERN 01																								
NEWARK UNIVERSITY FARM	88.2	67.2	77.7	2.0	101	23	59	28+	0	401	13	0	0	0	4.06	-.26	1.40	26	.0	0		7	3	2
WILMINGTON WSO ARPT	85.8	68.8	77.3	1.3	99	23	60	10	0	390	9	0	0	0	3.71	-.19	1.78	26	.0	0		5	3	1
WILMINGTON PORTER RSVR	84.6	68.7	76.7	1.8	98	23	63	30	0	368	6	0	0	0	5.57	1.44	2.70	26	.0	0		8	3	1
--DIVISIONAL DATA----->			77.2	1.5											4.45	.45			.0					
SOUTHERN 02																								
DOVER	88.4	68.9	78.7	1.7	100	23+	60	16	0	430	13	0	0	0	6.52	2.25	3.61	27	.0	0		6	3	2
GEORGETOWN 5 SW	87.3	67.5	77.4	1.3	99	22	58	16	0	393	10	0	0	0	5.93	1.91	1.66	26	.0	0		9	4	2
GREENWOOD 2 NE	85.3	67.3	76.3		97	23	58	16	0	356	8	0	0	0	5.05		2.23	25	.0	0		8	2	1
LEWES	87.2	70.8	79.0	3.8	98	23+	64	16	0	444	11	0	0	0	6.86	2.70	2.34	7	.0	0		7	3	3
--DIVISIONAL DATA----->			77.9	1.7											6.09	1.86			.0					

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
JULY 1991

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 IS NATL SEA	5.12		1.10			.09		.91	.43	.50	.03			.52	T											.20	.01	.75	.01	.56	.01	T	
PRINCESS ANNE	5.82		.55	1.34		.18		.24	.71	.08				.13												.25	2.24	.10	.10				
SALISBURY	4.07		.40	.15		.02	.10	.42	.01	.55	T	T		.18												.65	T	1.58	T	T	.01		
SALISBURY FAA ARPT	5.31		.70	.01		.35		.40	.35		.08			.42												1.19	.02	1.44	.06	T		.29	
SNOW HILL 4 N	6.00		1.04	.15		.53	.32	.96	.05	.62	.03	.03		.05												.73	.10	1.14		.25			
CENTRAL EASTERN SHORE 02																																	
CAMBRIDGE WATER TRMT P	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ROYAL OAK 2 SSW	3.22			.57		.02		.07	.77		.02												.14		T	.55	.02	1.00		.06			
VIENNA	4.58		.60	.05		.02		.36	.89		.05			.06												.90	1.09	.11	.40			.05	
LOWER SOUTHERN 03																																	
LA PLATA 1 W	3.49				.05	.14		T	.93		.03			.11									.01	T		.92	.02	1.04	.24				
MECHANICSVILLE 5 NE	2.02		T	T	T	.13		T	.73		T	.03		.03												.55	T	.46	.09	T			
OWINGS FERRY LANDING	3.04			.49	.02	.05		.01	.39		.02	.05		.05									T	T	1.24		*	.60		.12			
UPPER SOUTHERN 04																																	
ANNAPOLIS POLICE BRKS	3.42			.05		.04		.05	.96		.03		.01										.02		.32	.29	.67	.83	.02	.13			
BALTIMORE WSO ARPT	1.76		.01	T	T	T		.25	.11		T		.06	.27										T		.32	.27	.50	T	.29			
BELTSVILLE	4.41			.55		.03	.03	.34	.29	.02	.03		.06	.06									.10		.38	1.99	.08	.15	.17	.19			
COLLEGE PARK	7.35		1.56	.11	.04			.86	.02	T	.02		.02										T		.16	3.94	.10	.37	.15	T			
DALECARLIA RESVR DC	7.91			.60	.01	.04	.27	.29	.02	.02	.02												.16		.64	5.04	.44	.38					
GLENN DALE BELL STN	2.91			.15	T	.04	.28	.26	T	.04			T												.40	.55	.04	.65	.43				
LAUREL 3 W	1.84		.24		.03		.18	.50					.05	.33												.14	.01	.36					
NATIONAL ARBORETUM DC	3.92			.30	.41	.05	.36	.71	.11		.04		.02										.01	.03	.49	.24	.21	.37	.15	.11	.31		
UPPER MARLBORO 3 NNW	3.45			.54	.14	.06	.18	.08	.20		.06		.02										.09		.69	.40	.21	.49	.14	.01	.14		
NORTHERN EASTERN SHORE 05																																	
CHESTERTOWN	4.67	T	1.14	T		.01		.37	.06		T			.47								.61	T	T		1.19	.61	.15		.06		T	
MILLINGTON 1 SE	4.25		.47			.03		.43	.19					1.12												1.27	.09	.58		.05			
NORTHERN CENTRAL 06																																	
ABERDEEN PHILLIPS FLD	2.99		.33	.02	*	.04	*	*	.88				*	*	.44												.21	.79	*	*	.27	.01	
BALTIMORE WSO CITY	2.72		.01					.16	.07			.06	.16															.21	.79	*	*	.27	.01
BENSON POLICE BARRACKS	4.42		.57	.14		.08		1.00	.13					1.27	.02									.05		.13	.13	.55	.13	.21		.01	
CATOCTIN MOUNTAIN PARK	2.61		.38	.58		.13	.05	.01						.40														.78	.03	.22		.01	
CLARKSVILLE 3 NNE	2.10		T			.03	.08	.19	.51					.46													T	.21	.28	.34			
CONOWINGO DAM	3.19		.35			.02		1.10						1.21													.05	.03		.13			
DAMASCUS 2 SW	2.60		.15	T		.12	.22	.56	.74		.07		T	.26	T											.23	.01	.24	.24				
ENHITSBURG 2 SE	3.31	T	T	.02		.20	.55	1.10						.50												.15		.05	T	.24			
FREDERICK POLICE BRKS	1.17		.10	T		.22	.24	.04	.09					.06																	.32		
MILLERS 4 NE	1.39		T	T		.06	.01	.19						.49																	.32		
POTOMAC FILTER PLANT	2.68		.65			.07	.50	.02	.38		.02			.08																.42			
ROCKVILLE 1 NE	3.65		.96		T	.23	.75	.33		.03			T	.15																.41			
TOWSON	4.08		.20		.01	.07		.18	.20				.40	.79																.28			
UNIONVILLE	2.35					.10	.93	.57						.08														T	.33	.34			
WESTMINSTER POLICE BRK	1.50			T		.06		1.08						.07														T	T	.27			
WOODSTOCK	1.92					.03	T	.16	.02					.69														.01	.65	.07	.28		
APPALACHIAN MOUNTAIN 07																																	
CUMBERLAND 2	.88		.02			.27		.07						.13																.24	.06	.05	
EDGEMONT	1.67			.73	T	.05	.20	.02						.36													.04	.03		.12	.12	.04	
FROSTBURG 2	2.13	.35	T	T	T	.82	T	*	.21		.02			.28		T											T	*	.03	T	.12	.21	.02
HAGERSTOWN	2.45			.04	.01	*	*	*	1.41					.58							*	*	*	*	*	*	*	*	*	*	*	.13	.28
HANCOCK	1.65			.28	.10	.12	.40	.12		.03				.36														*	*	*	.12	.02	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
JULY 1991

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
ALLEGHENY PLATEAU 08																																
MC HENRY 2 NW	4.43	.03	.24		1.83			.37	.03	.05			.36									.32	.01	.42	.26	T	.02			.18	.18	.13
MERRILL	2.84	.06	.06		1.26			.52			.03		.34										.03	.12	.07	.06				.18	.08	.03
OAKLAND 1 SE	3.28	.06	.11	T	.47		T	.67		.15	T	.11	.22								.09		.26	.25	.29	.05	.04		.46	.05		
SAVAGE RIVER DAM	2.67	T	.04		.74			.32	.06		.03		.55									.18	.01	.06	.20	.01	.02	.01		.24	.18	.02
DELAWARE																																
NORTHERN 01																																
NEWARK UNIVERSITY FARM	4.06		.12		.02		.90						1.12										.16		.19		1.40	.10		.05		
WILMINGTON WSO ARPT R	3.71		.10	T	T		.51	T				.04	.91										.03	.02		.25	1.78	.03		.04		T
WILMINGTON PORTER RSVR	5.57	.15	.07	T	.04		.85						.25	.99								.12	.09			.17	2.70			.14		
SOUTHERN 02																																
DOVER	6.52	.06	.10	.03	.01	.06		.79	.31				.04																			
GEORGETOWN 5 SW	5.93		.27	.15		.18			1.47	.08		.05			.40										.07	1.03	.34	3.61		.02		
GREENWOOD 2 NE	5.05	.03	.10	.48			.46	.22		.02														.48			1.66	.64	.51		.04	
LEWES	6.86	T	.34	1.47	.01	.02		2.34	T		T	.05	.25													.41	.39	1.51		.07	T	

TOTAL SNOWFALL AND NUMBER OF DAYS
WITH ONE INCH OR MORE ON GROUND

MARYLAND AND
DELAWARE
JULY 1991

STATION	JUL		AUG		SEP		OCT		NOV		DEC		JAN		FEB		MAR		APR		MAY		JUN		TOTAL		TOTAL PRECIPITATION
	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	
MARYLAND																											
SOUTHERN EASTERN SHORE 01																											
SALISBURY FAA ARPT																											
SNOW HILL 4 N																											
CENTRAL EASTERN SHORE 02																											
CAMBRIDGE WATER TRMT P																											
ROYAL OAK 2 SSW																											
LOWER SOUTHERN 03																											
LA PLATA 1 W																											
MECHANICSVILLE 5 NE																											
OWINGS FERRY LANDING																											
UPPER SOUTHERN 04																											
ANNAPOLIS POLICE BRKS																											
BALTIMORE WSD ARPT																											
BELTSVILLE																											
COLLEGE PARK																											
GLENN DALE BELL STN																											
LAUREL 3 W																											
NATIONAL ARBORETUM DC																											
UPPER MARLBORO 3 NNW																											
NORTHERN EASTERN SHORE 05																											
CHESTERTOWN																											
MILLINGTON 1 SE																											
NORTHERN CENTRAL 06																											
ABERDEEN PHILLIPS FLD																											
BENSON POLICE BARRACKS																											
CATOCTIN MOUNTAIN PARK																											
CLARKSVILLE 3 NNE																											
DAMASCUS 2 SW																											
EMMITSBURG 2 SE																											
FREDERICK POLICE BRKS																											
MILLERS 4 NE																											
POTOMAC FILTER PLANT																											
ROCKVILLE 1 NE																											
UNIONVILLE																											
WESTMINSTER POLICE BRK																											
WOODSTOCK																											
APPALACHIAN MOUNTAIN 07																											
CUMBERLAND 2																											
FROSTBURG 2																											
HAGERSTOWN																											
HANCOCK																											

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MARYLAND AND
DELAWARE
JULY 1991

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
JULY 1991

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 IS NATL SEA	07	MAX MIN	74 69	78 65	79 65	71 68	85 69	87 69	89 69	89 66	83 66	79 65	78 67	81 67	84 64	79 72	78 67	80 66	95 66	90 72	89 76	92 76	95 76	85 71	95 76	82 74	82 74	89 71	72 71	77 66	70 67	72 68	78 67	82.5 69.1
PRINCESS ANNE	17	MAX MIN	92 67	89 66	90 69	86 66	85 67	89 68	93 69	95 66	86 67	86 66	88 61	87 72	88 67	87 59	88 56	87 62	90 64	92 65	92 74	92 71	97 69	96 71	98 69	98 71	92 67	91 67	83 60	82 59	78 65	87 60	87 66	89.1 65.8
SALISBURY	17	MAX MIN	91 70	87 66	88 72	84 69	84 69	89 70	93 68	92 68	87 69	86 68	87 68	87 75	88 74	87 66	88 63	89 63	92 71	92 76	98 77	97 77	98 78	96 77	96 76	93 70	91 71	85 64	84 64	82 69	77 65	85 70	88.9 70.0	
SALISBURY FAA ARPT	MID	MAX MIN	83 67	87 66	87 70	75 69	84 70	90 70	93 69	93 71	86 69	83 68	86 67	87 75	86 64	85 63	87 61	88 58	92 69	89 74	94 73	97 74	95 75	98 76	94 72	87 69	90 71	74 64	82 64	72 65	77 65	85 70	86.9 68.5	
SNOW HILL 4 N	18	MAX MIN	93 68	89 67	89 72	84 69	85 71	89 70	92 70	94 67	90 69	85 67	85 68	86 63	88 76	88 70	86 63	87 60	88 56	93 68	92 74	95 74	96 72	95 74	97 76	95 73	88 70	89 70	82 66	82 63	80 69	78 65	86 69	88.6 68.7
CENTRAL EASTERN SHORE	02																																	
CAMBRIDGE WATER TRMT P	16	MAX MIN																																M M
ROYAL OAK 2 SSW	18	MAX MIN	90 70	87 71	87 72	81 70	83 70	92 72	95 71	95 71	86 71	83 68	89 66	90 67	90 77	89 72	89 65	90 63	91 72	95 76	92 77	95 78	99 75	96 73	99 79	94 76	91 71	92 72	74 65	85 62	76 68	80 64	86 70	89.1 70.8
VIENNA	18	MAX OBS MIN OBS	89 68	89 60	94 67	90 63	86 64	90 65	96 69	97 64	88 62	91 64	92 61	93 61	90 63	90 64	92 58	93 58	91 56	94 63	94 68	94 68	99 68	98 68	97 71	99 67	94 68	92 65	90 60	89 57	84 61	80 58	86 63	91.6 63.6
LOWER SOUTHERN	03																																	
LA PLATA 1 W	18	MAX MIN	89 73	88 73	86 70	83 70	77 69	89 67	94 71	93 72	83 68	80 70	86 65	85 65	87 70	86 69	86 63	87 62	90 67	94 70	93 75	94 73	94 73	97 74	97 72	94 74	89 66	88 72	82 66	81 63	80 64	76 64	81 67	87.3 68.9
MECHANICSVILLE 5 NE	19	MAX MIN	84 73	88 72	86 71	81 71	79 70	91 67	94 71	95 69	85 67	80 69	87 66	87 64	88 70	84 69	86 62	89 60	92 65	95 71	92 74	95 74	98 73	96 74	100 73	92 74	82 71	90 72	76 68	83 60	76 66	77 65	82 67	87.4 69.0
OWINGS FERRY LANDING	17	MAX OBS MIN OBS	92 70	88 71	85 70	78 70	78 69	92 67	95 70	94 68	86 68	84 68	87 65	87 64	90 73	85 68	87 63	88 60	92 66	95 70	93 74	95 73	98 72	99 73	100 70	98 72	91 72	89 66	78 66	83 61	82 63	76 64	84 67	88.7 68.4
UPPER SOUTHERN	04																																	
ANNAPOLIS POLICE BRKS	17	MAX MIN	95 70	87 72	87 72	85 70	78 68	93 70	98 73	96 66	90 70	87 70	89 66	89 63	95 75	94 73	88 69	90 65	94 65	97 64	96 77	96 73	100 78	102 76	103 76	102 74	91 71	93 73	85 66	86 61	86 68	81 68	86 69	91.6 70.0
BALTIMORE WSO ARPT	MID	MAX MIN	85 71	87 72	88 73	77 70	80 69	96 65	98 72	94 71	90 72	82 68	90 65	90 63	92 72	88 71	88 65	91 62	95 66	98 70	97 75	99 74	101 76	97 76	102 75	94 76	84 71	88 63	78 60	74 67	80 66	88 69	89.5 69.5	
BELTSVILLE	08	MAX MIN	96 70	84 71	90 71	87 70	76 68	82 65	93 69	95 69	93 70	85 66	81 64	89 61	91 72	91 67	87 62	89 59	91 64	95 71	97 76	97 73	99 73	100 73	100 70	92 68	85 69	92 67	78 59	84 67	84 65	78 66	89.6 68.0	
COLLEGE PARK	09	MAX MIN	97 72	86 74	93 72	89 71	77 69	79 68	95 71	96 71	95 74	88 70	82 66	90 75	94 72	87 66	90 62	93 62	91 71	98 75	96 78	99 75	100 76	100 74	98 77	103 74	93 69	86 74	93 69	78 62	86 69	75 67	80 69	90.2 71.0
DALECARLIA RESVR DC	17	MAX MIN OBS	93 64	91 67	90 63	88 58	82 63	93 60	92 63	95 62	87 62	87 63	90 59	90 65	94 65	92 66	90 54	94 54	95 58	99 63	97 67	100 66	100 67	101 69	101 65	101 64	90 59	92 67	79 60	85 65	84 61	80 59	88 61	91.6 62.5
GLENN DALE BELL STN	16	MAX OBS MIN	98 68	90 71	90 70	86 68	76 67	91 64	96 67	93 67	87 67	86 66	90 62	91 59	93 68	84 66	90 60	91 57	94 61	96 67	96 74	98 71	100 71	99 71	100 68	99 71	92 68	88 72	92 64	82 59	86 65	78 64	88 72	91.0 66.6
LAUREL 3 W	MID	MAX MIN OBS	87 73	88 68	89 71	78 67	81 65	96 65	96 69	94 68	87 70	81 66	90 65	90 62	92 69	89 69	90 63	93 65	96 78	98 70	97 72	100 75	101 75	97 74	102 72	94 72	87 67	91 67	80 65	88 72	77 61	80 64	89 65	90.3 68.5
NATIONAL ARBORETUM DC	08	MAX OBS MIN OBS	98 71	85 72	94 71	90 70	76 70	82 68	95 70	97 71	94 72	87 71	79 66	90 64	91 73	93 71	87 65	90 63	93 69	95 74	97 77	99 76	98 77	101 76	98 74	102 73	93 72	86 71	93 68	78 62	86 65	72 66	80 68	90.3 70.2

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
JULY 1991

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	
UPPER MARLBORO 3 NNW	08	MAX OBS MIN	96 69	85 70	90 68	87 68	77 68	81 66	93 68	96 68	94 68	87 67	78 62	90 60	89 69	92 66	87 60	89 57	91 61	95 67	95 73	95 71	97 71	100 74	101 71	102 69	91 68	83 68	92 65	78 58	84 64	79 64	80 65	89.5
NORTHERN EASTERN SHORE	05																																	
CHESTERTOWN	23	MAX MIN	86 66	84 65	80 70	75 66	80 66	93 70	91 65	93 69	88 69	82 66	89 65	91 65	91 70	86 68	87 62	92 61	93 67	98 71	94 75	98 74	100 73	93 72	100 75	93 72	84 68	92 69	71 64	85 61	74 66	80 62	88 69	88
MILLINGTON 1 SE	18	MAX MIN OBS	95 67	82 66	81 73	76 68	78 68	91 71	91 67	91 69	86 67	85 64	87 63	89 63	87 73	84 68	86 61	87 58	90 63	93 69	91 73	94 74	97 73	92 72	97 73	94 73	86 68	88 72	75 64	84 59	81 67	77 60	84 68	87.1
NORTHERN CENTRAL	06																																	
ABERDEEN PHILLIPS FLD	16	MAX MIN	80 70	82 70	82 74	76 67			90 70	87 62	87 63	87 65	87 66				87 65	88 62	91 69	94 71	93 77			92 72	99 77	100 75	89 73	84 75			72 70	77 66	86 71	86.8
BALTIMORE WSO CITY	MID	MAX MIN	88 74	87 75	88 75	78 73	81 71	96 75	99 76	94 77	93 78	86 74	89 72	89 74	94 76	89 77	90 74	91 75	91 74	96 79	95 82	98 83	104 83	96 84	103 82	93 81	86 76	85 81	81 73	87 69	78 70	81 70	88 75	90.3
BENSON POLICE BARRACKS	17	MAX MIN	92 69	83 68	83 73	80 67	76 67	92 69	91 65	90 69	90 70	88 62	90 61	91 65	91 72	91 61	90 65	92 62	94 68	96 69	95 73	98 75	101 76	100 74	103 77	101 73	93 73	85 71	81 67	87 59	87 68	80 64	87 70	90.3
CATOCTIN MOUNTAIN PARK	17	MAX MIN	83 65	79 67	77 67	76 64	73 64	84 63	85 69	84 69	81 64	77 62	81 62	82 61	85 66	86 66	80 60	84 65	86 65	88 68	88 71	90 73	90 73	89 72	93 73	93 66	84 69	82 69	76 63	78 61	79 59	70 61	81 65	82.7
CLARKSVILLE 3 NNE	17	MAX MIN	91 70	86 68	87 72	86 69	76 68	94 62	94 66	89 68	86 71	82 62	89 60	88 57	93 69	91 65	88 57	92 55	94 59	97 62	97 63	100 70	102 70	99 72	102 69	99 70	91 71	86 66	79 65	84 55	84 64	77 64	88 66	90.0
CONOWINGO DAM	MID	MAX MIN	89 65	83 64	83 68	85 62	78 60	91 65	96 65	93 72	92 68	85 56	93 60	94 59	91 65	92 64	94 59	92 53	100 65	102 62	93 68	100 69	105 68	96 63	105 64	94 64	87 64	88 67	84 59	88 56	76 61	83 59	90 66	91.0
DAMASCUS 2 SW	19	MAX MIN	83 69	87 71	87 69	79 68	79 66	91 62	92 67	86 67	84 67	76 63	87 63	85 63	90 69	83 68	86 61	89 61	91 66	94 67	93 73	95 72	97 73	91 72	97 70	90 69	87 71	88 67	81 66	86 59	74 63	76 64	87 67	86.8
EMMITSBURG 2 SE	17	MAX MIN	90 71	84 70	84 69	82 69	79 67	91 63	90 65	89 67	89 68	84 57	88 59	87 58	91 69	90 68	86 59	89 55	93 62	95 63	96 68	98 74	98 72	101 70	100 68	90 71	88 69	84 66	85 57	82 64	82 64	85 68	89.3	
FREDERICK POLICE BRKS	17	MAX MIN	95 71	88 73	88 70	85 71	75 68	92 65	95 72	94 71	93 72	85 65	91 65	90 64	94 70	93 72	88 63	92 62	95 67	97 70	97 74	99 78	101 79	100 76	101 73	102 73	92 74	90 73	87 69	88 60	86 69	78 67	88 68	91.6
MILLERS 4 NE	18	MAX MIN	85 68	79 67	82 71	80 66	76 65	90 68	91 66	88 67	85 68	80 57	88 67	87 60	89 67	88 62	85 62	89 58	91 64	95 68	94 64	95 68	96 73	93 70	98 73	89 70	86 71	84 67	83 58	87 52	79 63	77 62	85 68	86.9
ROCKVILLE 1 NE	MID	MAX MIN	82 71	87 71	84 71	75 69	81 68	91 65	90 71	88 70	85 70	79 67	88 66	86 64	90 71	86 70	87 66	89 61	92 69	93 70	91 76	94 74	96 76	92 74	97 72	89 73	85 72	87 68	76 66	73 64	77 67	87 68	86.4	
TOWSON	18	MAX MIN	90 68	86 69	85 72	80 67	77 67	94 69	94 67	88 72	87 71	84 65	87 64	88 65	90 71	89 65	86 65	89 64	92 68	95 71	94 62	96 76	99 76	97 75	99 73	97 73	88 72	83 69	79 66	85 62	83 66	79 64	87 68	88.5
UNIONVILLE	17	MAX MIN	90 70	86 69	86 70	81 68	80 68	90 60	92 65	92 67	86 67	81 58	88 60	87 57	92 64	89 64	88 54	90 54	92 63	96 63	96 69	97 70	99 69	93 70	101 73	97 68	89 69	83 72	84 67	87 54	82 64	77 66	87 66	89.0
WESTMINSTER POLICE BRK	17	MAX MIN OBS	85 69	83 72	84 72	80 66	76 66	92 64	94 66	90 67	90 69	87 63	90 61	89 56	91 69	92 69	87 62	89 65	93 74	97 72	97 76	96 77	96 75	99 76	99 71	98 73	93 70	86 67	84 61	86 63	80 63	79 68	87 68	89.5
WOODSTOCK	18	MAX MIN	90 70	86 70	88 72	83 69	76 68	95 62	96 69	90 69	89 69	82 62	92 62	91 61	92 69	90 68	90 60	92 59	95 63	98 65	97 73	98 72	101 72	97 73	101 73	98 71	91 72	87 71	82 66	87 57	81 66	78 65	90 67	90.4
APPALACHIAN MOUNTAIN	07																																	
CUMBERLAND 2	18	MAX MIN	90 71	94 69	91 71	81 69	87 63	95 64	99 67	94 68	86 63	81 62	92 59	89 65	91 68	88 56	89 56	94 61	96 63	99 63	97 71	97 70	100 74	98 73	101 67	94 67	92 68	87 69	86 60	87 62	83 64	79 62	88 58	91.1
FROSTBURG 2	07	MAX MIN	84 66	80 65	84 65	77 65	69 65	81 65	85 64	88 62	79 63	74 60	71 57	80 57	75 61	81 63	76 55	80 51	84 54	86 60	89 69	87 70	88 69	90 68	87 71	90 66	84 64	81 62	74 64	78 56	78 56	65 58	71 58	80.5
HAGERSTOWN	08	MAX MIN	97 70	85 70	90 67				101 68		93 68	87 61	79 62	89 61	87 63	92 68	85 59	88 60	92 63	95 67	96 72													M
HANCOCK	08	MAX MIN	97 72	84 69	91 67	84 69	74 65	84 65	94 64	98 67	90 65	86 56	79 60	88 56	91 60	91 67	85 54	92 57	94 60	97 65	97 70	98 71	94 68	99 72	96 74	102 66	93 67	91 67	82 66	85 63	88 62	84 65	79 63	89.8

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
JULY 1991

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	
ALLEGHENY PLATEAU 08																																		
MC HENRY 2 NW	08	MAX	85	85	82	75	77	80	85	86	77	74	70	80	76	79	72	79	86	85	88	83	86	86	86	87	81	81	71	77	77	63	79	79.9
		MIN	65	65	63	64	63	61	63	66	59	60	60	60	61	59	53	56	60	61	64	66	67	68	66	65	61	62	60	56	57	57	57	61.5
OAKLAND 1 SE	17	MAX	86	84	80	80	81	84	89	83	75	74	80	78	79	80	79	83	86	88	85	83	88	87	87	82	81	78	73	77	74	79	79	81.4
		MIN	66	66	62	64	64	56	64	62	61	61	60	51	67	62	47	46	53	53	65	62	64	64	66	66	62	63	63	51	59	54	55	60.0
SAVAGE RIVER DAM	08	MAX	88	82	87	74	78	84	88	90	81	78	73	84	78	84	79	83	88	88	92	87	90	92	90	91	85	84	80	75	81	68	74	83.1
		MIN	67	68	64	65	67	61	62	63	64	61	62	55	56	64	50	51	53	57	59	67	66	68	69	67	63	63	65	53	51	60	58	61.3
DELAWARE																																		
NORTHERN 01																																		
NEWARK UNIVERSITY FARM	17	MAX	84	82	78	78	75	92	93	89	89	85	89	90	85	87	84	90	92	96	95	97	99	96	101	99	90	87	79	84	82	81	87	88.2
		MIN	65	66	72	66	65	68	68	68	68	59	62	63	70	62	59	59	70	68	71	75	75	74	74	73	72	69	66	59	67	61	69	67.2
WILMINGTON WSO ARPT	MID	MAX	84	79	75	76	75	86	90	89	86	83	88	88	86	85	86	87	91	94	91	97	97	92	99	90	82	85	76	85	75	79	83	85.8
		MIN	68	67	70	68	67	69	70	70	68	60	65	69	73	68	63	62	66	71	75	75	76	77	75	74	74	70	63	62	64	63	71	68.8
WILMINGTON PORTER RSVR	MID	MAX	82	78	74	77	72	87	89	88	84	82	86	86	84	83	84	86	89	94	92	95	95	92	98	89	80	85	76	84	72	78	83	84.6
		MIN	66	67	69	65	66	68	68	68	70	64	66	69	70	69	65	64	66	72	74	75	78	76	76	73	74	68	65	64	64	63	69	68.7
		OBS													55																			
SOUTHERN 02																																		
DOVER	17	MAX	93	84	81	80	78	87	93	93	90	85	86	86	88	89	86	90	92	96	95	97	100	97	100	97	88	87	73	83	83	79	83	88.4
		MIN	67	67	72	67	69	69	67	68	70	69	67	65	73	70	66	60	67	72	72	75	77	73	76	73	68	70	64	62	68	63	69	68.9
GEORGETOWN 5 SW	08	MAX	95	82	87	82	77	84	85	93	92	88	85	85	84	89	88	85	88	91	93	89	96	99	98	98	93	86	86	71	82	77	78	87.3
		MIN	69	63	68	67	70	71	75	66	70	67	65	63	62	68	62	58	60	65	69	74	73	72	75	74	73	69	65	62	65	64	67	67.5
GREENWOOD 2 NE	18	MAX	80	83	82	73	80	89	91	91	84	77	86	83	87	87	86	87	89	92	88	94	96	94	97	93	79	86	72	80	78	76	83	85.3
		MIN	66	64	70	68	68	69	69	69	69	65	64	62	73	69	60	58	60	67	73	73	74	71	74	73	69	69	63	60	66	63	67	67.3
LEWES	17	MAX	96	83	82	75	79	84	93	94	83	80	84	86	88	88	85	87	90	94	93	95	98	95	98	96	89	87	80	80	80	77	83	87.2
		MIN	69	66	72	68	70	70	68	68	73	70	69	69	75	73	68	64	66	73	76	76	78	76	77	76	72	72	65	69	70	67	71	70.8

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY AND SEASONAL HEATING DEGREE DAYS

MARYLAND AND
DELAWARE
JULY 1991

STATION	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL	SEASONAL NORM
MARYLAND														
SOUTHERN EASTERN SHORE 01														
ASSATEAGUE IS NATL SEA	0		49B	192	439	660	856	698	576	319	79	14	M 3882	4298
PRINCESS ANNE	0	0	61	171	432	619	794	612	513	263	51	12	3528	4016
SALISBURY	0	0	43	151	401	597	780	587	455	225	28	5	3272	4411
SALISBURY FAA ARPT	0	0	61	196	451	640B	824	674	539	281	68	15	B 3749	4411
SNOW HILL 4 N	0	0	50	171	419	589	790	612	509	241	41	11	3433	4239
CENTRAL EASTERN SHORE 02														
CAMBRIDGE WATER TRMT P	0	0	34	134	382	600	808	596	479	246	29	2	3310	4331
ROYAL OAK 2 SSW	0	0	41	146	398	618	824	620	524	261	43	2	3477	4192
VIENNA	0	0		189	461	673	861		547	332	109	11	M 3183	4140
LOWER SOUTHERN 03														
LA PLATA 1 W	0	0	70	186	412	637	826	597	521	247	39	6	3541	4384
MECHANICSVILLE 5 NE	0	0	76	209	438	656	856	622	529	252	50	10	3698	4384
OWINGS FERRY LANDING	0	0	63	186	442	660	880	634	538	266	46	4	3719	4384
UPPER SOUTHERN 04														
ANNAPOLIS POLICE BRKS		2			517	714	945	699	525	265	29	4	M 3700	4706
BALTIMORE WSO ARPT	R 1	0	63	195	454	701	907	674	562	289	55	4	3905	5053
BELTSVILLE	0	2	73	237	477	737	953	692	592	326	56	12	4157	4455
COLLEGE PARK	0	2	47	175	420	700	884	639	542	262	31	3	3705	4425
DALECARLIA RESVR DC	0	3	67	248	516	767	961	688	627	321	42	9	4249	4649
GLENN DALE BELL STN	0	0	58	189	465	669	889	653	556	281	50	10	3820	4489
LAUREL 3 W			58	171	420B	699		683	585	277	32	3	M 2928	4267
NATIONAL ARBORETUM DC	0	2	53	183	431	682	872	654	530	263	34	6	3710	4301
UPPER MARLBORO 3 NNW	0	5	101	259	525	796	967	694	580	307	48	19	4301	
NORTHERN EASTERN SHORE 05														
CHESTERTOWN	0	1	53	191	472	714	910	689	575	301	52	5	3963	4600
MILLINGTON 1 SE	0	0	71		456	687	900	667	557	297	53	4	M 3692	4837
NORTHERN CENTRAL 06														
ABERDEEN PHILLIPS FLD		0B		167B			880	588B		262	29B		M 1926	4083
BALTIMORE WSO CITY	R 1	0	29	144	417	700	900	657	567	209	11	0	3635	4998
BENSON POLICE BARRACKS	0	3	42			694	880	631	534	244	27	0	M 3055	
CATOCTIN MOUNTAIN PARK	3	18	111	266	538	840	1047	777	680	352	72	18	4722	
CLARKSVILLE 3 NNE	0	1	82	227		726	934	697	597	316	52	13	M 3645	
CONOWINGO DAM	0	0	59	213		817	983	775	632	328	63	5	M 3875	5206
DAMASCUS 2 SW	1	4	87	218	451	747	951	690	599	311	62	9	4130	
EMMITSBURG 2 SE	0	5	99	256	536	798	1002	706	632	337	79	12	4462	
FREDERICK POLICE BRKS	0	2	42	171	417	707			542	259	31	1	M 2172	
MILLERS 4 NE	0	6	105	239	500	768	988	724	633	339	73	11	4386	
ROCKVILLE 1 NE	3	1	73	223	462	706	931	679	585	294	50	5	4012	4663
TOWSON	0	2	68	179							37		M 286	
UNIONVILLE	0	2	101	264	554	794	1010	753	635	365	69	15	4562	5415
WESTMINSTER POLICE BRK	0	7	89	210	468	754	930	685	590	298	50	3	4084	5250
WOODSTOCK	0	1	77	205	469	730	935	676	580	281	45	5	4004	5027
APPALACHIAN MOUNTAIN 07														
CUMBERLAND 2	2	3	90	260	506	859	1011	747	607	283	51	9	4428	5106
FROSTBURG 2	17	37	168	387	620	943	1170	920	827	488	136	58	5771	
HAGERSTOWN		6	119B	251	508	824	1017	751	623	354	62	11	M 4526	5086
HANCOCK	3	3	101	292	559	876	1044	763	640	384	68	25	4758	5573

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY AND SEASONAL HEATING DEGREE DAYS

MARYLAND AND
DELAWARE
JULY 1991

STATION	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL	SEASONAL NORM
ALLEGHENY PLATEAU 08														
MC HENRY 2 NW	22	28	175	417	644	945	1190	941	828	482	128	47	5847	
OAKLAND 1 SE	15	21	151	373	649	877	1125	888	760	430	113	68	5470	6599
SAVAGE RIVER DAM	9	19	126	362	611	925	1127	884	761	448	105	41	5418	6335
DELAWARE														
NORTHERN 01														
NEWARK UNIVERSITY FARM	0	0	75	198	487	719	919	674	607	311	63	5	4058	4906
WILMINGTON WSO ARPT	2	1	69	214	494	734	943	700	617	320	61	5	4160	4986
WILMINGTON PORTER RSVR	4	2	78	203	478	730	947	706	609	331	64	5	4157	5127
SOUTHERN 02														
DOVER	0	0	51	143	411	639	827	624	518	265	48	3	3529	4356
GEORGETOWN 5 SW	0	0	81	201	475	647	871	660	570	317	72	23	3917	4571
GREENWOOD 2 NE	0	0	74	199	462	676	867	675	569	318	72		3912	
LEWES	0	0	36	142	364	547	782	599	502	254	40	6	3272	4505

SEE REFERENCE NOTES FOLLOWING STATION INDEX

EVAPORATION AND WIND

MARYLAND AND
DELAWARE
JULY 1991

STATION		DAY OF MONTH																															JULY 1991	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	50	32	25	22	39	12	19	44	34	35	5	28	30	33	36	25	33	30	29	19	16	38	20	45	31	21	39	12	28	11	17	858
		EVAP	34	21	18	13	10	6	32	26	29	25	7	30	20	18	20	31	33	31	29	30	22	31	23	46	39	15	*	29	32	5	12	7.17
		MAX	98	92	95	92	76	85	101	101	94	94	81	97	92	95	95	96	96	98	99	102	100	101	95	100	98	93	97	98	92	76	85	94.0
		MIN	70	69	73	72	70	71	74	72	71	69	67	67	70	71	67	65	68	70	73	75	75	69	75	73	71	70	70	65	69	68	67	70.2
ALLEGHENY PLATEAU																																		
SAVAGE RIVER DAM	08																																	
		WIND	35	20	33	8	19	20	24	47	41	27	15	28	13	43	38	28	16	25	17	24	21	27	30	32	27	19	13	28	22	32	22	794
		EVAP	18	12	16	6	3	7	19	37	15	8	10	25	6	17	21	*	38	21	24	14	24	15	15	34	20	15	10	10	18	4	-	4.98B
		MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
		MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
DELAWARE																																		
SOUTHERN	02																																	
GEORGETOWN 5 SW		WIND	66	41	40	36	53	77	16	56	63	25	47	45	77	51	51	24	21	55	114	35	93	56	45	71	36	27	79	38	37	52	16	1543
		EVAP	32	28	34	21	48	29	29	37	22	18	11	9	30	19	39	31	28	45	26	9	55	35	27	35	55	-	25	19	18	0	19	8.61B
		MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
		MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M

EVAPORATION: IS MEASURED IN HUNDRETHS OF INCHES

WIND: IS MEASURED IN MILES

MAX AND MIN: THE MAXIMUM AND MINIMUM TEMPERATURES (FAHRENHEIT) OF THE WATER IN THE EVAPORATION PAN

SEE REFERENCE NOTES FOLLOWING STATION INDEX

SNOWFALL AND SNOW ON GROUND (INCHES)

MARYLAND AND
DELAWARE
JULY 1991

STATION		DAY OF MONTH																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MARYLAND																																
UPPER SOUTHERN	04																															
BALTIMORE WSO ARPT	RSNOWFALL SN ON GND WTR EQUIV																															
DELAWARE																																

SNOWFALL: INCLUDES SNOW AND ICE. VALUES FOR NWS STATIONS (J INDEX NOTE) ARE MID-MID (LST).
 SNOW ON GROUND: INCLUDES SNOW, SLEET, ICE AND HAIL. VALUES FOR NWS STATIONS (J INDEX NOTE) ARE OBSERVED AT 0000 UTC (GMT).
 WATER EQUIVALENT: GIVEN FOR NWS STATIONS (J INDEX NOTE) ONLY, WHEN SNOW DEPTH IS 2 INCHES OR MORE.
 SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
JULY 1991

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 ANNAPOLIS POLICE BRKS ASSATEAGUE IS NATL SEA BALTIMORE WSO ARPT BALTIMORE WSO CITY # BELTSVILLE BENSON POLICE BARRACKS BOYDS 2 NW	001506 019304 033501 046504 047006 070004 073206 103206	R R R	HARFORD ANNE ARUNDEL WORCESTER ANNE ARUNDEL BALTIMORE CI PRINCE GEORG HARFORD MONTGOMERY	39 28 38 59 38 14 39 11 39 17 39 2 39 30 39 13	76 10W 76 30W 75 8W 76 40W 76 37W 76 53W 76 23W 77 20W	57 30 7 148 14 120 365 580	16 17 07 MID MID 08 17 18		C H H H C C H H	ROSS AVIATION INC ANNAPOLIS POLICE BRKS NATIONAL PARK SERVICE NATL WEATHER SERVICE OCMI COMMANDING OFFICER US DEPT OF AGRICULTURE MARYLAND STATE POLICE INACTIVE 02/01/91	
CAMBRIDGE WATER TRMT P CATOCTIN MOUNTAIN PARK CHESTERTOWN CLARKSVILLE 3 NNE COLLEGE PARK CONOWINGO DAM CRISFIELD SOMERS COVE CUMBERLAND 2 DALECARLIA RESVR DC	138502 153006 175005 186206 199504 206006 221501 228207 232504		DORCHESTER FREDERICK KENT HOWARD PRINCE GEORG HARFORD SOMERSET ALLEGANY DIS COLUMBIA	38 34 39 39 39 13 39 15 38 59 39 39 37 59 39 38 38 56	76 4W 77 29W 76 4W 76 56W 76 57W 76 10W 75 52W 78 45W 77 7W	10 1610 39 365 90 9 8 730 151	16 17 23 17 09 MID 17 18 17		H C H H C H H H H	WASTEWATER TRMT PLANT CATOCTIN MOUNTAIN PARK THOMAS W ELIASON JR UNIVERSITY OF MARYLAND UNIVERSITY OF MARYLAND SUSQUEHANNA ELECTRIC CO INACTIVE 03/01/91 TIMOTHY B THOMAS U S CORPS OF ENGINEERS	
DAMASCUS 2 SW DENTON 2 E EDGEMONT EMMITSBURG 2 SE FREDERICK POLICE BRKS FROSTBURG 2 GLENN DALE BELL STN HAGERSTOWN HANCOCK	233506 252302 277007 290606 334806 341507 367504 397507 403007		MONTGOMERY CAROLINE WASHINGTON FREDERICK FREDERICK ALLEGANY PRINCE GEORG WASHINGTON WASHINGTON	39 16 38 53 39 40 39 41 39 25 39 40 38 58 39 39 39 42	77 14W 75 48W 77 33W 77 18W 77 26W 78 56W 76 48W 77 44W 78 11W	722 49 905 420 381 2172 151 659 428	19 17 07 17 17 07 16 08 08	19 17 07 17 17 07 16 08 08		H H H H H H H H C	RICHARD W SCHWERDT INACTIVE 04/01/90 JOHN W HARNE MRS LUCILLE K BEALE MARYLAND STATE POLICE LEE K CLOSE USDA PLT INTRODUCT STN HAGERSTOWN RESERVOIR TOWN OF HANCOCK
LA PLATA 1 W LAUREL 3 W MC HENRY 2 NW MECHANICSVILLE 5 NE MERRILL MILLERS 4 NE MILLINGTON 1 SE NATIONAL ARBORETUM DC OAKLAND 1 SE	508003 511104 583208 586503 589408 593406 598505 635004 662008		CHARLES PRINCE GEORG GARRETT ST MARYS GARRETT CARROLL KENT DIS COLUMBIA GARRETT	38 32 39 6 39 35 38 27 39 36 39 43 39 16 38 54 39 24	77 0W 76 54W 79 22W 76 41W 79 5W 76 48W 75 52W 76 59W 79 24W	140 400 2680 100 1791 860 30 49 2421	18 MID 08 08 09 18 18 08 17	18 MID 08 19 09 18 18 08 17		H C H H C H H H H	C RUSSELL LEVERING WASH SUB SANY COMM JOSEPH F JOHENNING SANDRA J HASTINGS DELWOOD E MERRILL BOBBY P MILLER HOWARD L HARVEY U S NATL ARBORETUM BEA J CROSCO
OWINGS FERRY LANDING POTOMAC FILTER PLANT PRINCESS ANNE ROCKVILLE 1 NE ROYAL OAK 2 SSW SALISBURY SALISBURY FAA ARPT # SAVAGE RIVER DAM SNOW HILL 4 N	677003 727206 733001 770506 780602 800001 800501 806508 838001		CALVERT MONTGOMERY SOMERSET MONTGOMERY TALBOT WICOMICO WICOMICO GARRETT WORCESTER	38 41 39 2 38 13 39 6 38 43 38 22 38 20 39 31 38 14	76 40W 77 15W 75 41W 77 6W 76 11W 75 35W 75 31W 79 8W 75 23W	160 269 20 440 10 10 48 1495 30	17 08 17 MID 18 17 MID 08 18	17 08 17 17 18 17 MID 08 18		H H H H H H H H H	JAMES C RASMUSSEN POTOMAC WATER FILT PLT UNIV OF MD EASTERN SHORE WASHINGTON GAS AND LIGHT JOHN L SWAINE JR CITY OF SALISBURY FAA US CORPS OF ENGINEERS CURTIS E SHOCKLEY
TALL TIMBERS TOWSON UNIONVILLE UPPER MARLBORO 3 NNW VIENNA WESTMINSTER POLICE BRK WOODSTOCK	875703 887706 903006 907004 914002 944006 975006		ST MARYS BALTIMORE FREDERICK PRINCE GEORG DORCHESTER CARROLL BALTIMORE	38 10 39 23 39 27 38 52 38 29 39 33 39 20	76 33W 76 34W 77 11W 76 47W 75 50W 76 58W 76 52W	12 390 430 98 10 765 459	17 18 07 08 18 17 18	17 18 07 08 18 17 18		H C H H H H H	INACTIVE 01/01/91 BENDIX FRIEZ RICHARD GETZANDANNER UNIVERSITY OF MARYLAND DELMARVA POWER & LIGHT MARYLAND STATE POLICE JOHN A HILTZ

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
JULY 1991

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER
							LOCAL STD TIME				
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)	
DELAWARE											
DOVER	2730	02	KENT	39 9	75 31W	30	17	17		H	STATE DIV OF HIGHWAYS
GEORGETOWN 5 SW	3570	02	SUSSEX	38 38	75 27W	45	08	08	08	C	UNIV OF DEL SUBSTATION
GREENWOOD 2 NE	3595	02	SUSSEX	38 50	75 35W	45	18	18		H	DANIEL M SWARTZENTRUBER
LEWES	5320	02	SUSSEX	38 46	75 8W	15	17	17		H	BOARD OF PUBLIC WORKS
MILFORD 4 SE	5915	02	SUSSEX	38 54	75 28W	30	17	17		H	INACTIVE 05/01/91
NEWARK UNIVERSITY FARM	6410	01	NEW CASTLE	39 40	75 44W	90	17	17	17	C	UNIV OF DEL AGRIC FARM
WILMINGTON WSO ARPT	9595	01	NEW CASTLE	39 40	75 36W	79	MID	MID		C	NATL WEATHER SERVICE
WILMINGTON PORTER RSVR	9605	01	NEW CASTLE	39 46	75 32W	274	MID	MID		H	WATER DEPARTMENT

SEE REFERENCE NOTES FOLLOWING STATION INDEX

REFERENCE NOTES

MARYLAND AND
DELAWARE
JULY 1991

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. JULY 1991-0585

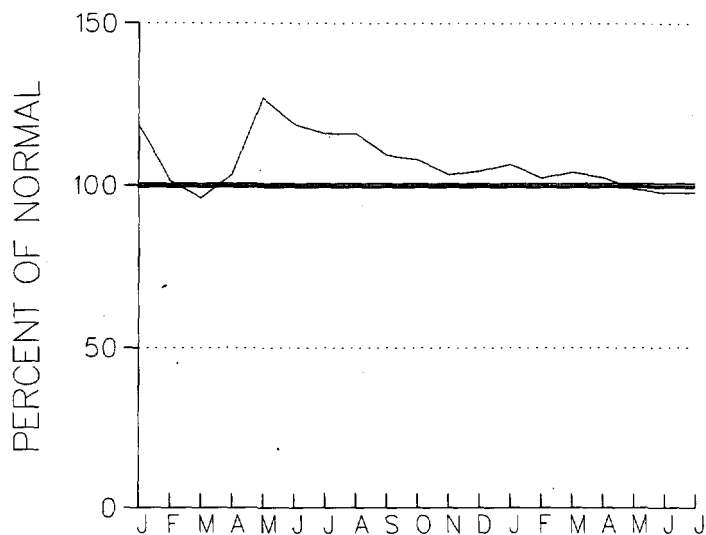
CUMULATIVE PRECIPITATION DEPARTURES FROM NORMAL (1951-1980) FOR THE LAST 19 MONTHS ENDING JULY 1991 MARYLAND

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

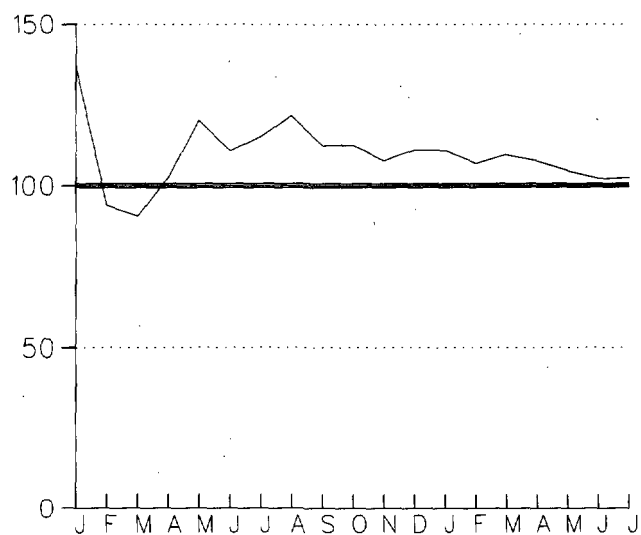
CLUSTER 2 -DIVISION(S):
UPPER SOUTHERN 04
NORTHERN EASTERN SHORE 05

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

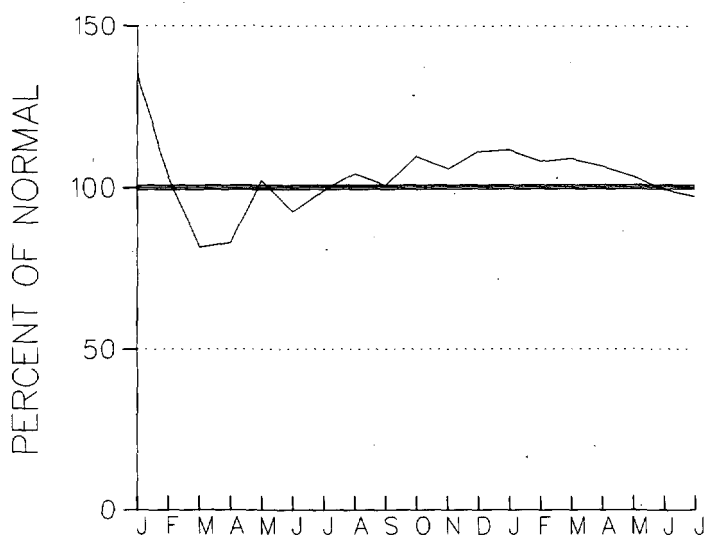
CLUSTER 4 -DIVISION(S):
ALLEGHENY PLATEAU 08



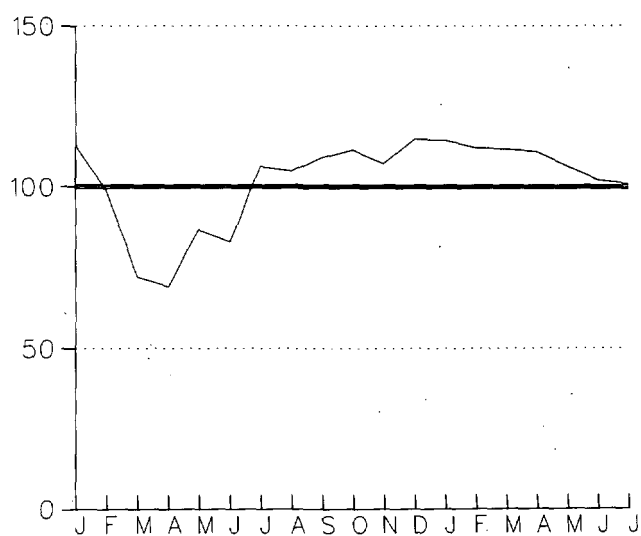
CLUSTER 1



CLUSTER 2



CLUSTER 3

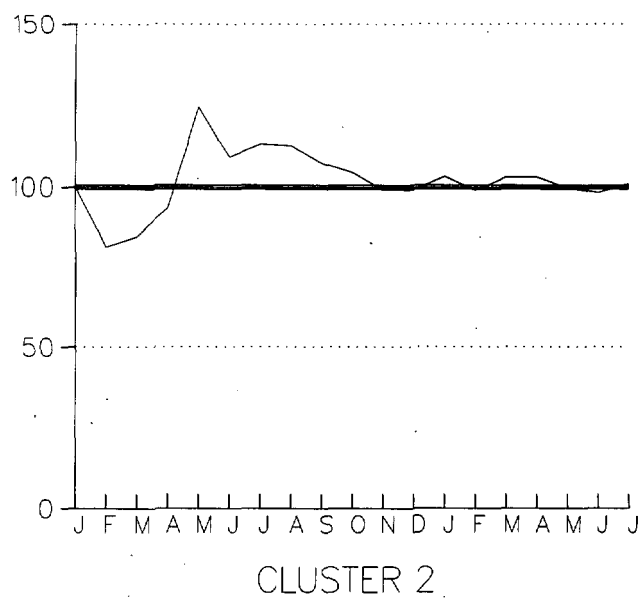
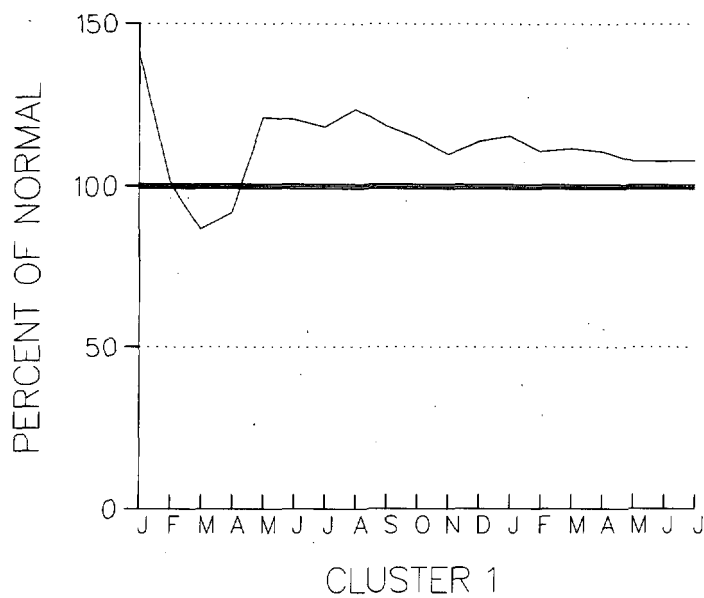


CLUSTER 4

CUMULATIVE PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)
FOR THE LAST 19 MONTHS
ENDING JULY 1991
DELAWARE

CLUSTER 1 -DIVISION(S):
NORTHERN 01

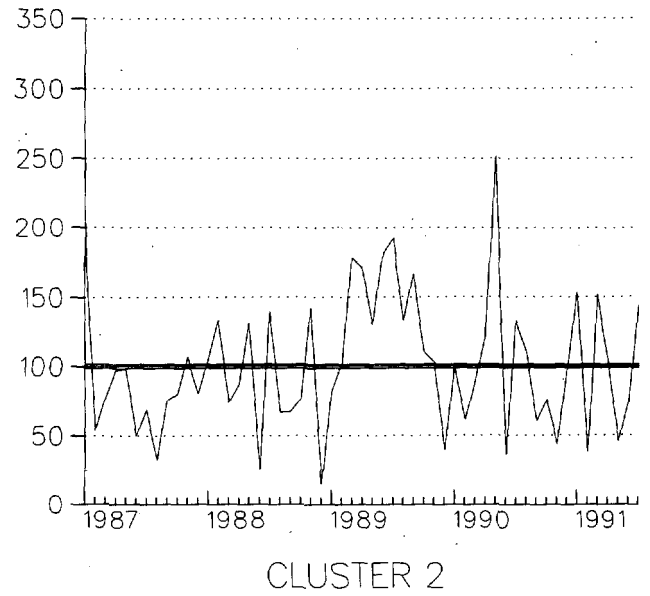
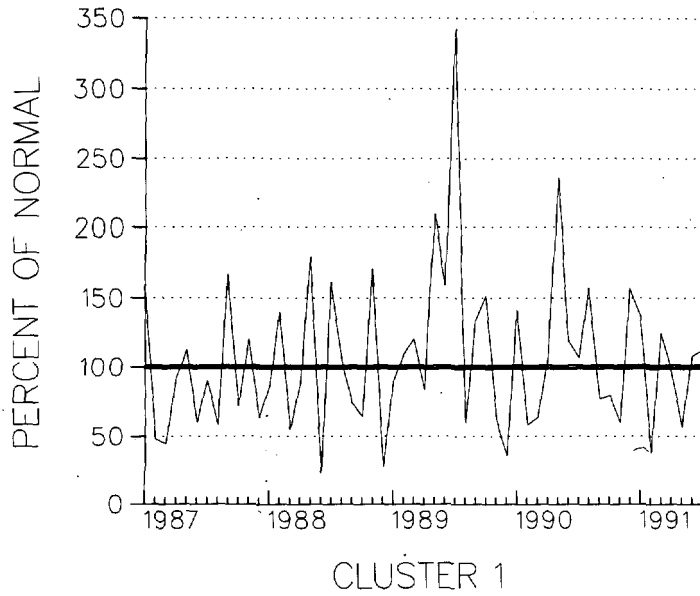
CLUSTER 2 -DIVISION(S):
SOUTHERN 02



PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)
FOR THE 55 MONTHS
ENDING JULY 1991
DELAWARE

CLUSTER 1 -DIVISION(S):
NORTHERN 01

CLUSTER 2 -DIVISION(S):
SOUTHERN 02



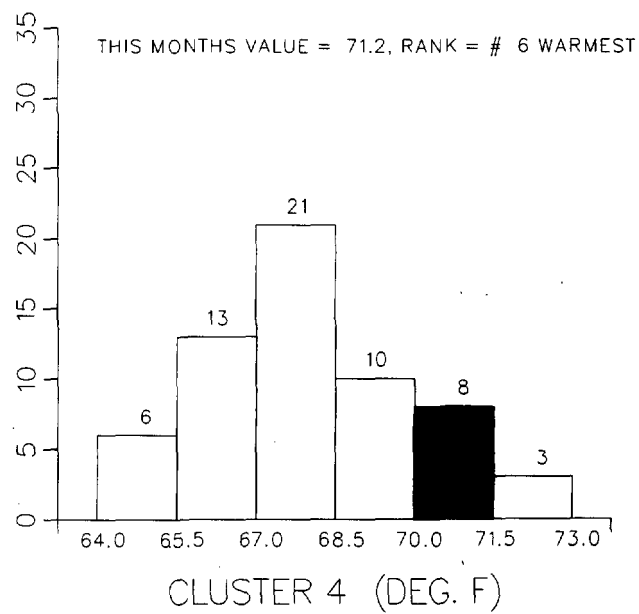
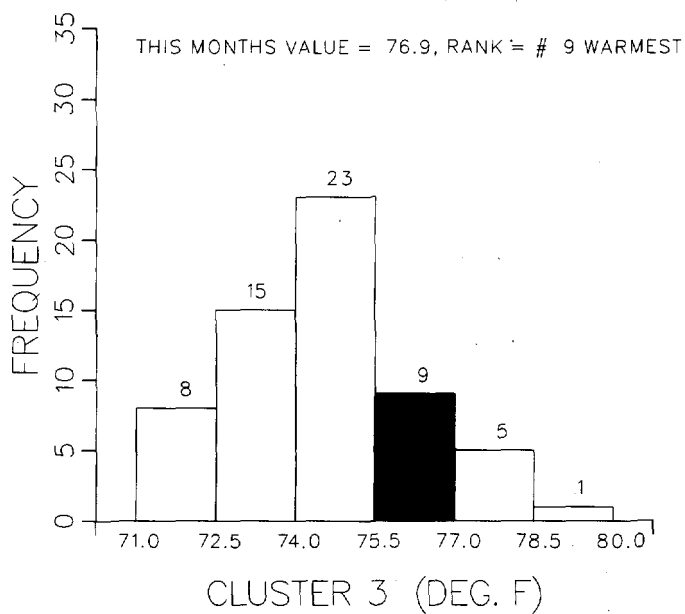
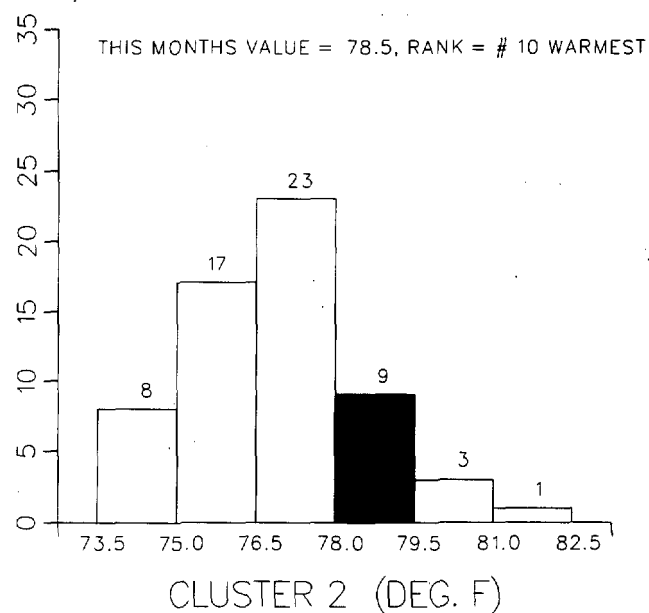
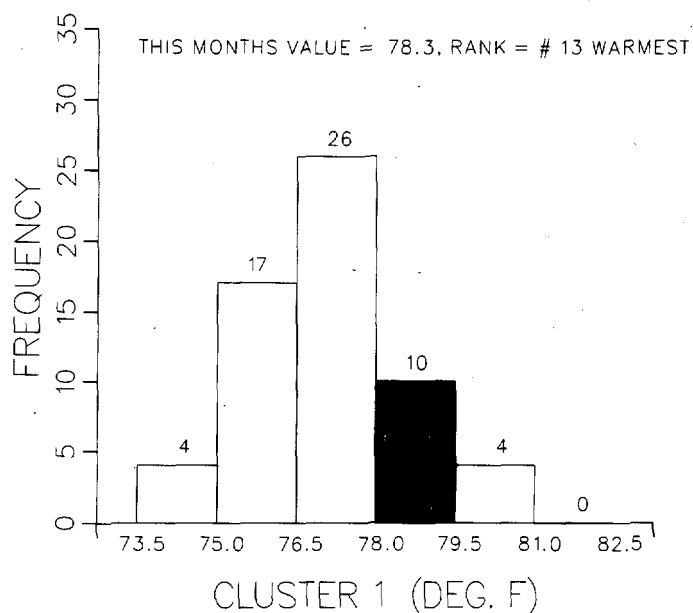
MEAN MONTHLY TEMPERATURE FREQUENCY DISTRIBUTION FOR PERIOD OF RECORD 1931-1991 FOR MONTH OF JULY MARYLAND

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



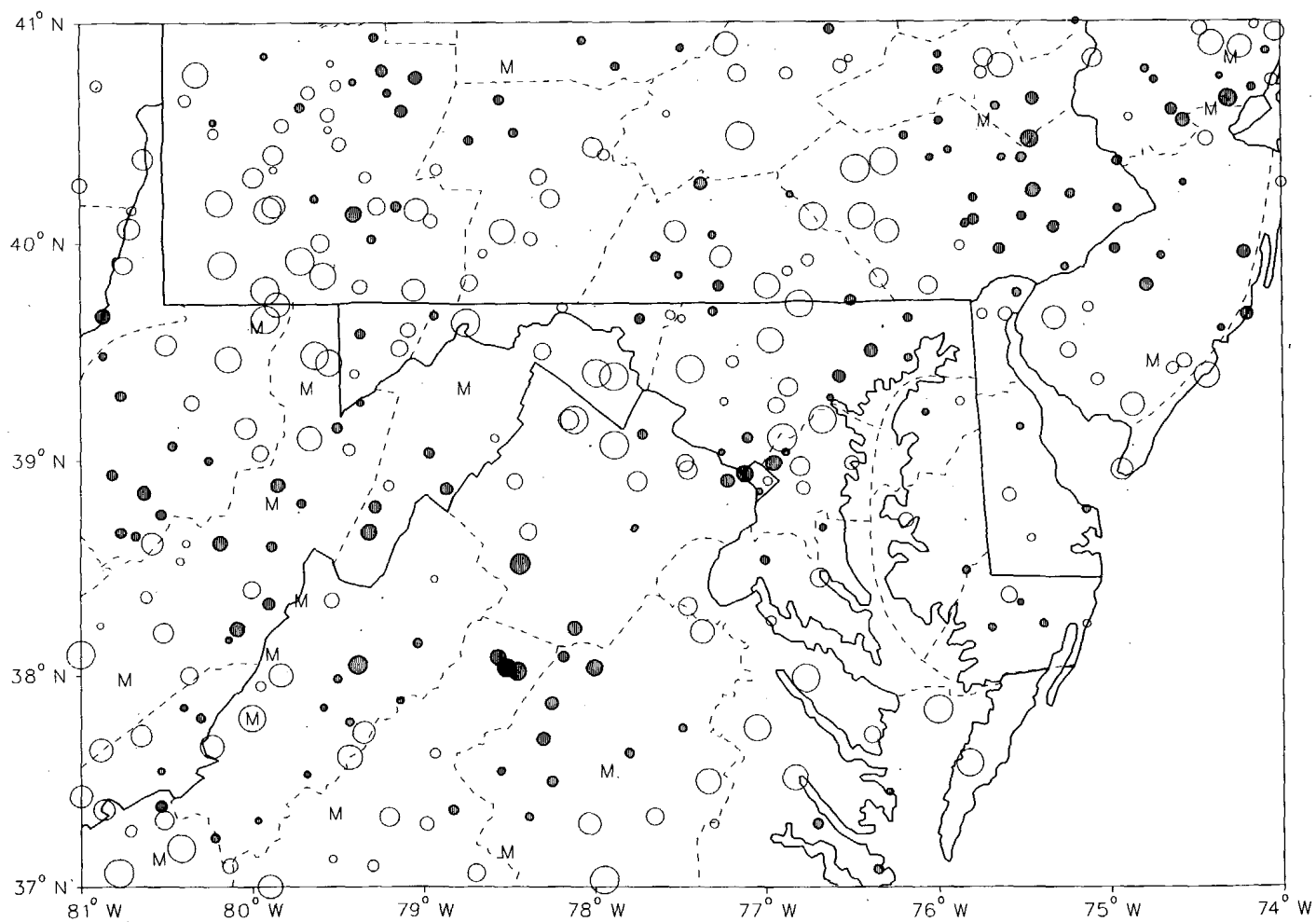
MONTHLY PRECIPITATION DEPARTURE FROM THE DIVISIONAL AVERAGE FOR JULY 1991 MARYLAND & DELAWARE

M DENOTES INCOMPLETE DATA FOR THE MONTH

▽ ZERO DEPARTURE

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

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

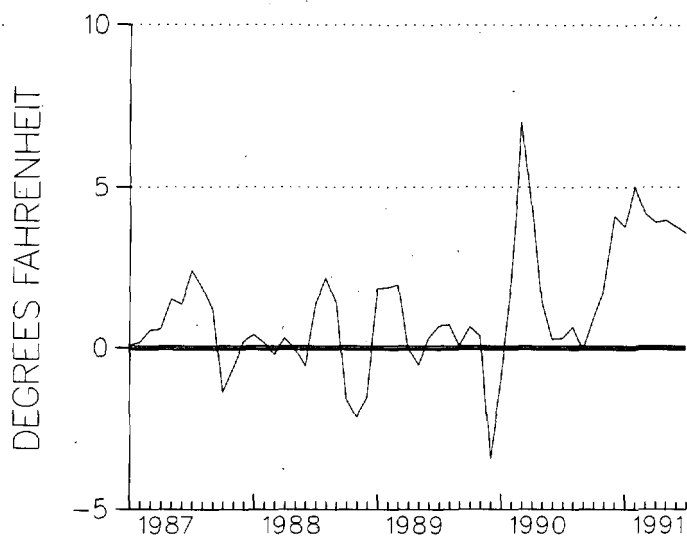


CIRCLE DIAMETER IS PROPORTIONAL TO DEPARTURE ON A CONTINUOUS SCALE

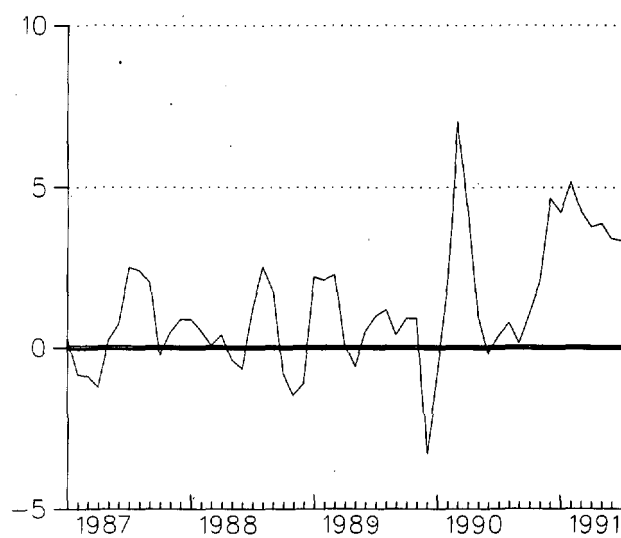
TEMPERATURE DEPARTURES FROM NORMAL (1951-1980)
THREE MONTH RUNNING MEAN
FOR THE 55 MONTHS ENDING WITH JULY 1991 DATA
DELAWARE

CLUSTER 1 -DIVISION(S):
NORTHERN 01

CLUSTER 2 -DIVISION(S):
SOUTHERN 02



CLUSTER 1

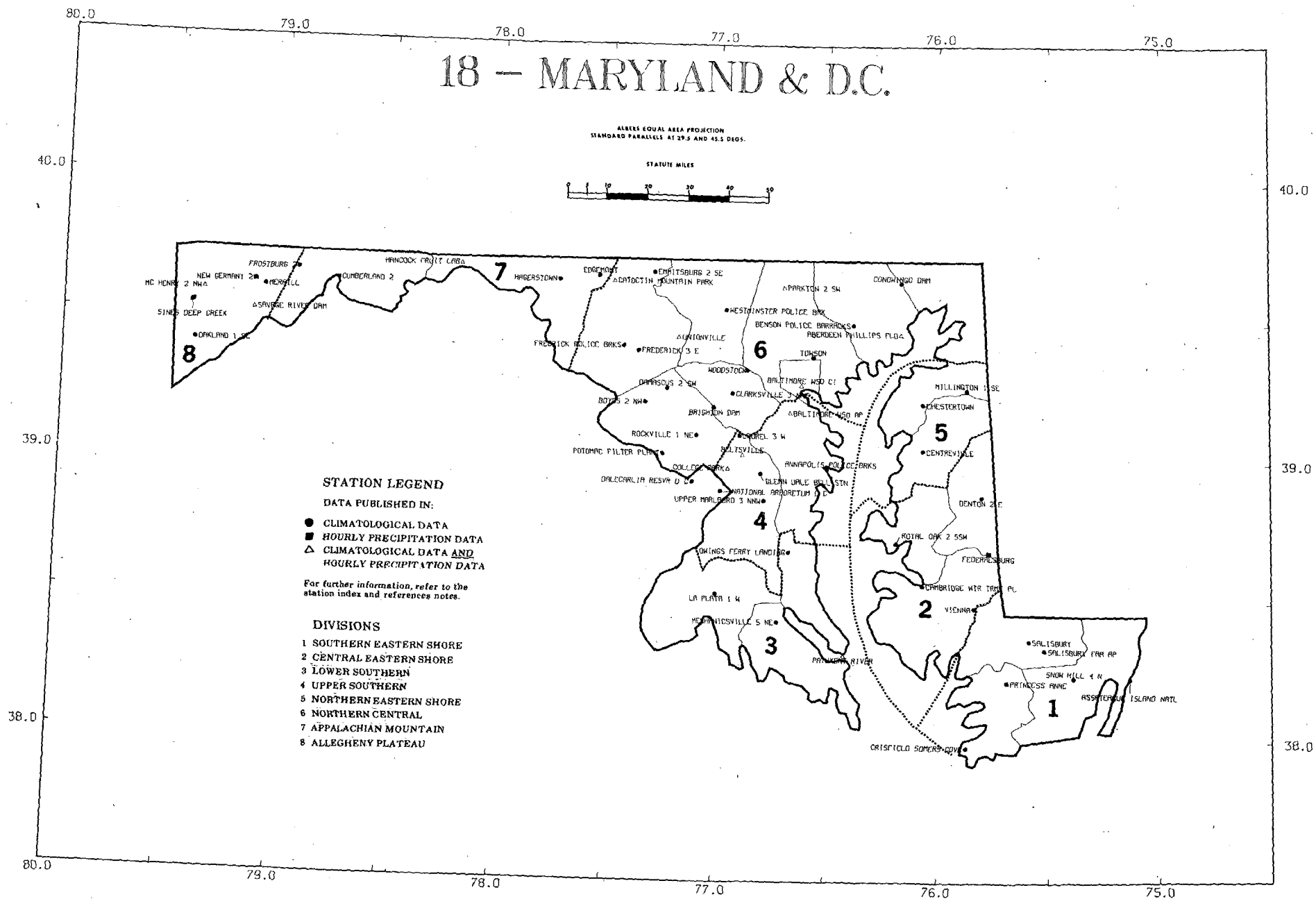
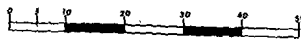


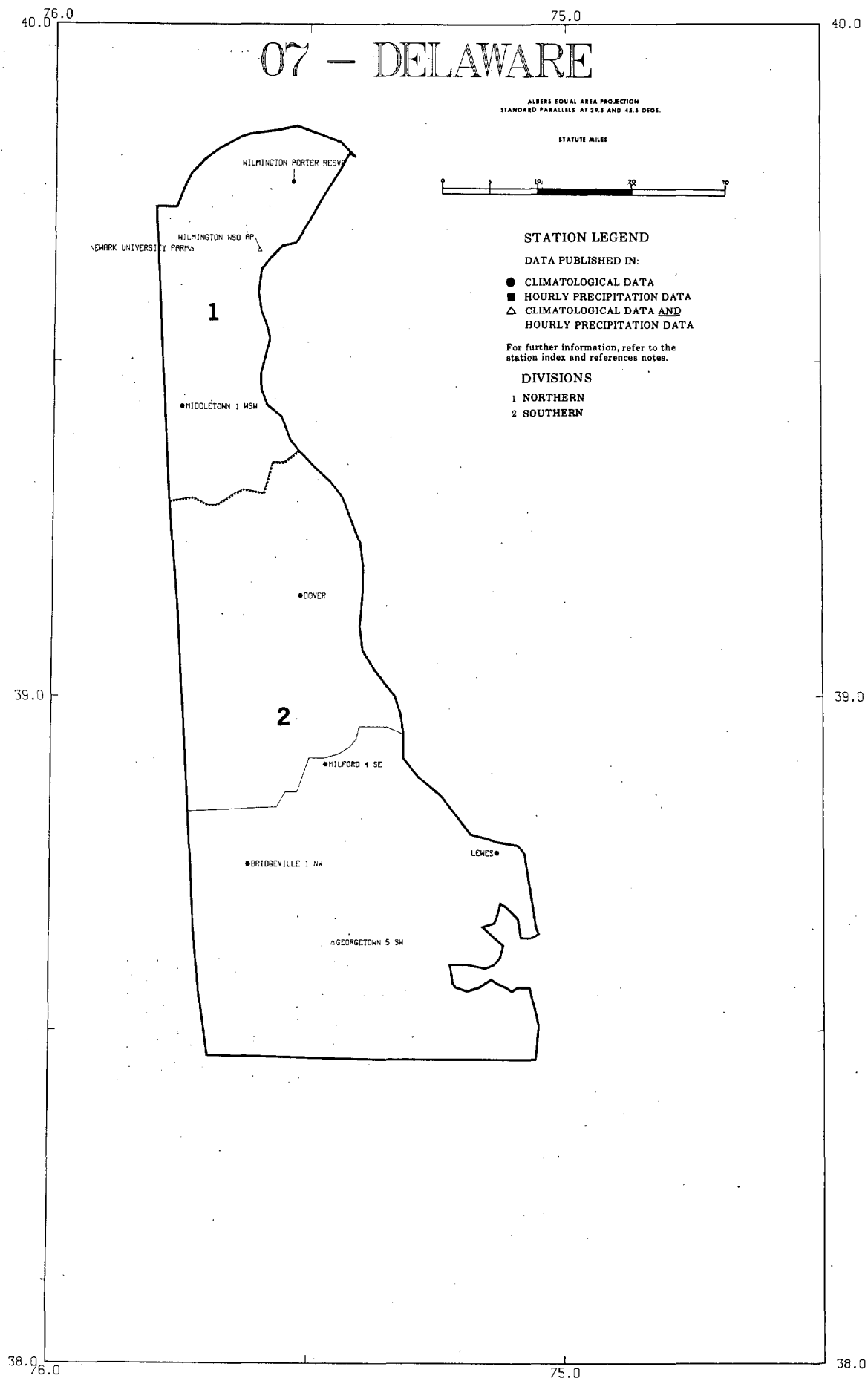
CLUSTER 2

18 - MARYLAND & D.C.

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

STATUTE MILES





07 - DELAWARE

ALBERS EQUAL AREA PROJECTION
STANDARD PARALLELS AT 39.5 AND 43.5 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 NORTHERN
- 2 SOUTHERN

MONTHLY PRECIPITATION TOTALS											
ANNUAL 1987 NORTH CAROLINA											
STATION	ANNUAL	MONTH									
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DEC
NORTH CAROLINA											
ASHEVILLE WSO AP	34.57	1.11	1.85	2.75	0.57	3.55				4.19	5.28
ASHEVILLE	25.67	0.71	1.57	1.81	0.53	2.55				2.77	4.15
ASHFORD	35.74E	1.20	2.70	2.90	0.54E					3.80	4.10
BADIN			1.30	2.60	1.20					2.40	2.90
B EVERETT JORDAN DAM		1.70	1.50	3.50							1.70
BODMER 5 WSH			1.00								
BURLINGTON 3 WNE			2.10								
CAPE HATTERAS WSO	48.96	0.80	1.52E								
CARTAGE 3 SE		5.75									
CATALDOCHEE		1.70									
CHARLOTTE WSO AP	26.91	0.57									
CLINTON 2 NE	35										
DALTON											
DEBSON											
EDEN											
ELIZABETH											
ELIZABETH											
FRANK											
GREENS											
GREENVILLE											
HOLTON											
HOBOKEN											
LAKE LURE											
LAURINBURG											
LEXINGTON											
MORESVILLE 2											
MOREHEAD CITY											
MOUNT PLEASANT											
N WILKESBORO 12											
POLKTON 2 NE											
QUEBEC											
RALEIGH-DURHAM WSO											
ROANOKE RAPIDS											
ROARING GAP 1 NW											
SHELBY 2											
SNEADS FERRY 2 ENE											
SWANANOA 2 SSE											
WILKINGTON WSO AP											
WILSON 3 SW											
YACKINVILLE 6 E	28										

HOURLY PRECIPITATION DATA NORTH CAROLINA

DECEMBER 1987
WITH ANNUAL SUPPLEMENT
VOLUME 37 NUMBER 12

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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

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