

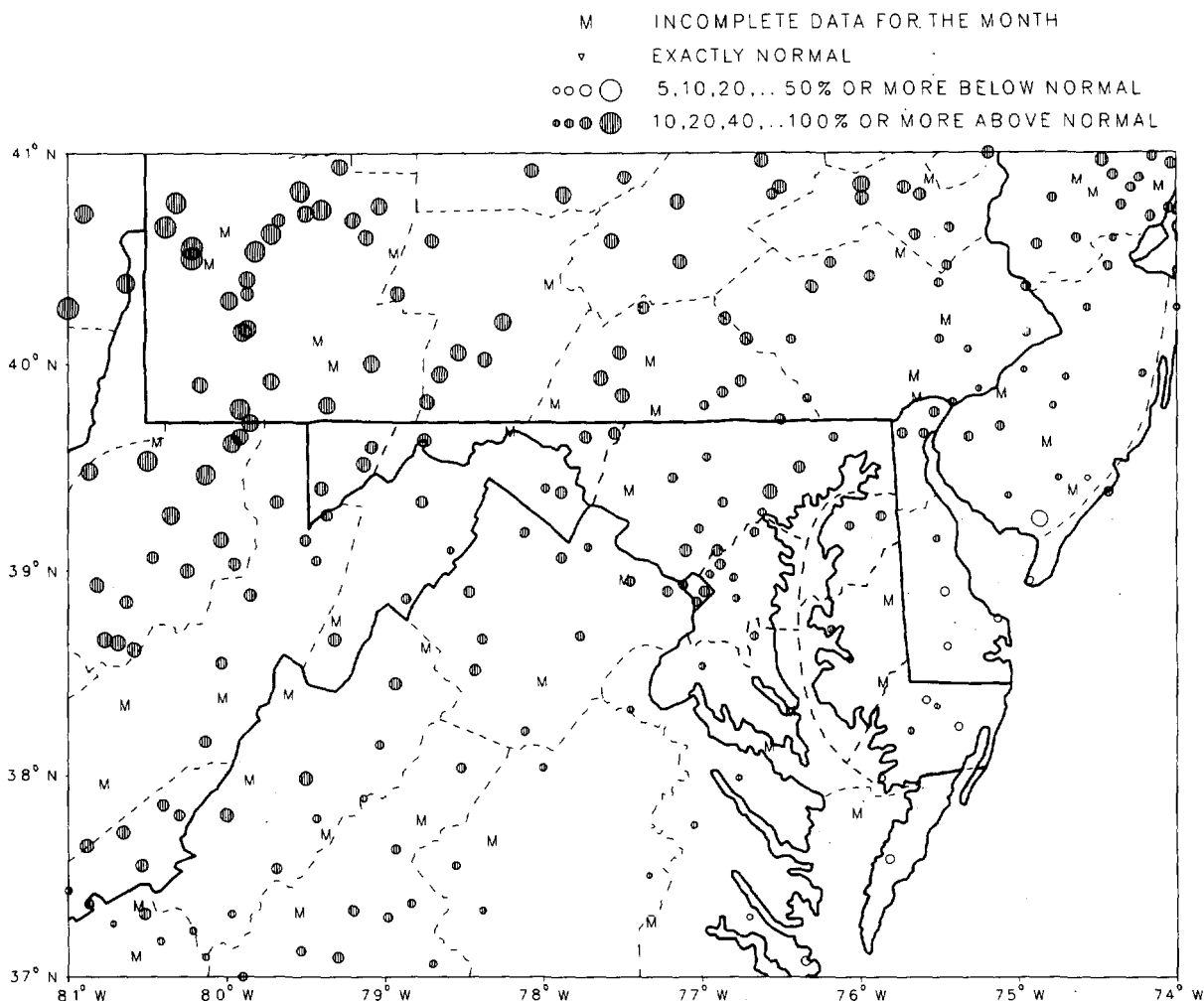


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CLIMATOLOGICAL DATA MARYLAND AND DELAWARE

DECEMBER 1990
VOLUME 94 NUMBER 12

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



CIRCLE DIAMETER IS PROPORTIONAL TO DEPARTURE ON A CONTINUOUS SCALE

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AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE NORTH CAROLINA

TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND AND
DELAWARE
DECEMBER 1990

MARYLAND
HIGHEST TEMPERATURE 72
LOWEST TEMPERATURE 5
GREATEST TOTAL PRECIPITATION 8.10
LEAST TOTAL PRECIPITATION 3.01
GREATEST 1 DAY PRECIPITATION 1.63
GREATEST TOTAL SNOWFALL 17.1
GREATEST DEPTH OF SNOW OR ICE 14

DELAWARE
HIGHEST TEMPERATURE 71
LOWEST TEMPERATURE 17
GREATEST TOTAL PRECIPITATION 5.94
LEAST TOTAL PRECIPITATION 3.33
GREATEST 1 DAY PRECIPITATION 1.37
GREATEST TOTAL SNOWFALL 6.4
GREATEST DEPTH OF SNOW OR ICE 6

DECEMBER 24+
DECEMBER 26

DECEMBER 4
DECEMBER 28

DECEMBER 31
DECEMBER 26

DECEMBER 4
DECEMBER 28

3 STATIONS
MC HENRY 2 NW
MC HENRY 2 NW
CRISFIELD SOMERS COVE
HAGERSTOWN
FROSTBURG 2
HANCOCK

LEWES
2 STATIONS
WILMINGTON PORTER RSVR
GEORGETOWN 5 SW
NEWARK UNIVERSITY FARM
2 STATIONS
2 STATIONS

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
DECEMBER 1990

STATION	TEMPERATURE (°F)												PRECIPITATION (IN)													
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	SNOW		SLEET			NO. OF DAYS		
											90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW					MAX	MIN	DATE	1.00 OR MORE	.50 OR MORE	.10 OR MORE		
DECEMBER 1990																										
MARYLAND																										
SOUTHERN EASTERN SHORE 01																										
ASSATEAGUE IS NATL SEA	55.0	34.9	43.5		70.2	23	20.2	24	660	0	0	0	10	0	3.97		1.22	15	.0	0		7	3	1		
CRISFIELD SOMERS COVE	55.0	37.2	46.1	5.2	71.2	23	24.2	26	576	0	0	0	8	0	3.01	- .19	1.10	15	.0	0		6	3	1		
PRINCESS ANNE	55.6	33.8	44.7	5.5	70.2	23	18.2	26	619	0	0	0	16	0	3.82	- .42	1.33	15	.0	0		7	4	1		
SALISBURY	56.0	35.1	45.6	5.3	71.2	23	19.2	25	597	0	0	0	13	0	3.32	- .30	.87	15	.0	0		7	3	0		
SALISBURY FAA ARPT	54.0	34.2	44.1	5.3	71.2	23	19.2	26	640	0	0	0	17	0	3.88	- .17	1.07	15	T	T		7	4	1		
SNOW HILL 4 N	56.2	35.3	45.8	6.3	72.2	23	17.2	26	589	0	0	0	14	0	3.44	- .27	.82	15	.0	0		7	2	0		
--DIVISIONAL DATA-->			45.0	5.2											3.57	.05			.0							
CENTRAL EASTERN SHORE 02																										
CAMBRIDGE WATER TRMT P	54.8	35.9	45.4	6.7	69.3	30	22.2	26	600	0	0	0	9	0	4.24	.53	1.05	28	.3	0		8	4	1		
ROYAL OAK 2 SSW	53.3	36.3	44.8	5.9	68.2	23	23.2	25	618	0	0	0	9	0	4.71	.97	.96	4	1.0	T		10	4	0		
VIENNA	55.2	30.9	43.1	3.5	68.1	18	15.2	26	673	0	0	0	18	0	3.15		1.30	28	.0	0		5	1	1		
--DIVISIONAL DATA-->			44.4	5.6											4.48	.88			.7							
LOWER SOUTHERN 03																										
LA PLATA 1 W	54.6	33.8	44.2	6.3	71.2	23	19.2	25	637	0	0	1	17	0	4.03	.61	.95	15	1.6	1	28	9	2	0		
MECHANICSVILLE 5 NE	54.2	33.0	43.6		72.2	23	17.2	26	656	1	0	1	17	0	3.95		1.14	28	1.0	0		7	2	1		
OWINGS FERRY LANDING	53.5	33.3	43.4	5.3	71.2	23	18.2	25	660	0	0	0	17	0	4.44	1.15	1.02	28	.8	0		9	2	1		
PATUXENT RIVER	M	M	M	M															M	M						
TALL TIMBERS	M	M	M	M															M	M						
--DIVISIONAL DATA-->			43.7	5.1											4.14	.76			1.1							
UPPER SOUTHERN 04																										
ANNAPOLIS POLICE BRKS	54.5	29.2	41.9		71.2	23	13.2	25	714	0	0	0	18	0	5.29		1.25	28	M	.0	128	9	5	1		
BALTIMORE WSO ARPT	52.1	32.3	42.2	5.7	69.2	23	19.2	25	701	0	0	0	18	0	4.86	1.46	.83	27	4.8	228		10	5	0		
BELTSVILLE	51.9	30.0	41.0	5.7	70.2	24	12.2	25	737	0	0	0	21	0	5.33	1.99	1.27	28	3.0	328		9	4	1		
COLLEGE PARK	52.3	32.0	42.2	4.9	69.2	24	18.2	27	700	0	0	0	12	0	4.38	1.00	1.12	4	M	.0	0	10	3	1		
DALECARLIA RESVR DC	54.3	25.8	40.1	2.7	70.3	31	10.2	25	767	0	0	0	26	0	5.15	1.66	1.18	28	.0	0		11	4	1		
GLENN DALE BELL STN	56.0	30.4	43.2	6.5	70.2	24	16.2	26	669	0	0	0	19	0	4.47	1.08	1.09	28	2.5	228		9	4	1		
LAUREL 3 W	52.2	32.1	42.2	5.3	68.1	18	15.2	25	699	0	0	0	17	0	5.62	2.28	.95	15	5.0	0		12	6	0		
NATIONAL ARBORETUM DC	52.8	32.7	42.8	4.3	71.2	24	19.2	25	682	0	0	0	17	0	5.40	2.04	1.27	28	1.5	0		9	4	2		
UPPER MARLBORO 3 NNW	52.6	25.6	39.1		72.2	24	13.2	25	796	0	0	0	25	0	4.21	.82	1.12	28	1.5	228		8	3	1		
--DIVISIONAL DATA-->			41.6	4.7											4.97	1.59			2.7							
NORTHERN EASTERN SHORE 05																										
CHESTERTOWN	51.6	31.8	41.7	4.7	66.3	30	18.2	25	714	0	0	2	18	0	5.47	1.60	.85	15	4.0	427		11	6	0		
MILLINGTON 1 SE	53.7	31.6	42.7	6.6	68.2	23	19.2	25	687	0	0	0	19	0	5.70	2.12			M	.0	0	7	3	2		
--DIVISIONAL DATA-->			42.2	5.2											5.59	1.94			4.0							
NORTHERN CENTRAL 06																										
ABERDEEN PHILLIPS FLD	M	M	M	M			64.3	31	1826		0	0	12	0	5.31		1.16	28	3.0	328		4	2	2		
BALTIMORE WSO CITY	50.4	33.9	42.2	2.9	67.3	30	17.2	25	700	0	0	0	13	0	5.05	1.27	.87	27	M	M		9	4	0		
BENSON POLICE BARRACKS	52.7	32.1	42.4	7.3	66.3	31	12.2	25	694	0	0	0	14	0	7.05	3.06	1.40	4	6.0	628		10	5	2		
BOYDS 2 NW	50.7	32.2	41.5		65.2	3	13.2	25	722	0	0	0	31	0	4.55		.90	27	8.0	0		10	4	0		
CATOCTIN MOUNTAIN PARK	45.8	29.5	37.7		59.2	3	10.2	25	840	0	0	0	42	0	5.14		.85	3	M	.0	1228	9	3	0		
CLARKSVILLE 3 NNE	53.6	29.0	41.3		68.3	30	15.2	26	726	0	0	0	22	0	6.20		1.21	28	6.5	528		9	6	1		
CONOWINGO DAM	51.2	25.6	38.4	4.3	65.1	3	13.2	25	817	0	0	0	12	0	5.49	1.62	1.13	3	M	.0	0	10	4	2		
DAMASCUS 2 SW	49.4	31.7	40.6		63.3	30	12.2	25	747	0	0	0	31	0	5.05		.89	15	8.0	728		12	4	0		
EMMITSBURG 2 SE	48.9	29.2	39.1		65.2	4	15.2	25	798	0	0	0	32	0	4.83		1.40	3	11.0	928		9	3	2		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
DECEMBER 1990

STATION	TEMPERATURE (°F)													PRECIPITATION (IN)												
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	SNOW, SLEET					NO. OF DAYS		
											90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW					TOTAL	MAX. DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE		
FREDERICK POLICE BRKS	51.4	32.5	42.0		65	23+	16	25	707	0	0	1	15	0	3.69		.82	15	8.0	7	28	8	3	0		
MILLERS 4 NE	49.1	30.8	40.0		64	23	14	25	768	0	0	3	19	0	5.46		1.32	3	8.0	8	28	8	3	2		
ROCKVILLE 1 NE	50.6	33.1	41.9	5.5	69	23	16	25	706	0	0	0	0	0	5.50	2.50	.92	15	6.0	6	28	11	5	0		
TOWSON					57	23	17	25				0	0	0	8.05	4.23	1.34	8	1	1	28	11	5	0		
UNIONVILLE	50.4	27.8	39.1	5.7	65	23	13	25	794	0	0	0	0	0	5.02	1.72	.94	3	9.0	8	28	11	3	0		
WESTMINSTER POLICE BRK	51.9	28.8	40.4	6.4	66	23	12	25	754	0	0	0	0	0	4.72	1.23	.90	3	7.0	7	28	8	4	0		
WOODSTOCK	51.9	30.5	41.2	6.0	66	23+	15	25	730	0	0	0	0	0	5.46	1.94	.92	4	8.0	7	28	10	5	0		
--DIVISIONAL DATA-->			40.6	5.3											5.53	2.01			7.2							
APPALACHIAN MOUNTAIN 07																										
CUMBERLAND 2	46.3	27.9	37.1	2.8	60	13	15	25+	859	0	0	2	21	0	5.32	2.68	1.44	4	13.0	13	28	11	3	2		
FROSTBURG 2	42.6	25.9	34.3		65	31	9	26+	943	0	0	5	27	0	6.62		1.46	4	17.1	12	29+	10	4	2		
HAGERSTOWN	47.3	29.1	38.2	4.0	63	23	13	25	824	0	0	2	19	0	5.24	2.38	1.63	4	11.0	11	28	9	5	1		
HANCOCK	46.5	26.5	36.5	3.6	63	14	13	26+	876	0	0	3	23	0	5.21		1.55	4	14.0	14	28	10	4	2		
--DIVISIONAL DATA-->			36.5	2.8											5.73	2.89			13.7							
ALLEGHENY PLATEAU 08																										
MC HENRY 2 NW	43.4	25.1	34.3		64	31	5	26+	945	0	0	7	27	0	8.10		1.13	16	14.0	10	28	11	8	5		
OAKLAND 1 SE	47.4	25.6	36.5	6.6	66	30	6	25	877	0	0	4	23	0	7.77	3.87	1.19	28	11.6	7	28	12	6	3		
SAVAGE RIVER DAM	44.0	25.9	35.0	4.8	65	31	12	26	925	0	0	5	24	0	5.65	2.97	1.24	4	12.0	4	30	11	4	2		
--DIVISIONAL DATA-->			35.3	5.9											7.17	3.52			12.8							
DELAWARE																										
NORTHERN 01																										
NEWARK UNIVERSITY FARM	51.9	31.2	41.6	6.0	66	31+	17	26	719	0	0	1	18	0	5.56	2.03	1.37	4	6.4	6	28	10	5	1		
WILMINGTON WSO ARPT	50.6	31.3	41.0	5.5	66	30+	18	25	734	0	0	2	19	0	5.16	1.62	.77	3	6.4	6	28	10	6	0		
WILMINGTON PORTER RSVR	49.5	32.9	41.2	6.1	65	30+	18	25	730	0	0	2	16	0	5.94	2.20	1.05	3	6.0	4	28	12	6	1		
--DIVISIONAL DATA-->			41.3	5.6											5.55	2.00			6.3							
SOUTHERN 02																										
DOVER	53.9	34.5	44.2	5.8	69	30	18	27	639	0	0	0	14	0	4.14	.61	.60	24+	5.0	5	28	13	3	0		
GEORGETOWN 5 SW	54.6	33.1	43.9	6.1	68	24+	17	26	647	0	0	1	13	0	3.33	-.26	.80	16	1.0	1	0	10	2	0		
GREENWOOD 2 NE	52.4	33.3	42.9		67	23+	19	26+	676	0	0	1	13	0	3.99		.95	28	1.0	1	0	7	3	0		
LEWES	55.9	38.2	47.1	8.6	71	31+	21	25	547	0	0	0	8	0	3.53	-.29	1.14	28	1.0	0	0	7	4	1		
MILFORD 4 SE	55.0	35.3	45.2	7.3	70	23	20	26+	608	0	0	0	10	0	3.38	-.43	1.00	28	1.0	0	0	8	2	1		
--DIVISIONAL DATA-->			44.7	6.4											3.67	-.06			1.5							

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
DECEMBER 1990

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	3.97			.47	.25	.01	T	.57	.07	T						1.22			.02		.12	.20	.04	.07				.90	.02	.01			
CRISFIELD SOMERS COVE	3.01					.10			.42							1.10					.13	.61							.64		.01		
PRINCESS ANNE	3.82			.02	.53				.31							1.33				.08	.57								.72			.26	
SALISBURY	3.32			.02	.47	T			.29							.87	.32		T	.04	.61	.05	T	.03				.51			.11		
SALISBURY FAA ARPT	3.88			.04	.64	T		.02	.36							1.07	T		.04	.06	.67	.02		.02				.15	.64			.15	
SNOW HILL 4 N	3.44			.03	.39				.46							.82	.38			.03		.37	.05		.02				.79		T	.10	
CENTRAL EASTERN SHORE 02																																	
CAMBRIDGE WATER TRMT P	4.24			.08	.47				.02							.60	.23		.05	.20		.58	.01		.73				1.05	T		.22	
ROYAL OAK 2 SSW	4.71			.13	.96				.01							.87	.22		.10	.15		.48	.02		.72			T	.91			.14	
VIENNA	M 3.15				.36				.12							-	-	.02		.22	*	*	.75		.32				1.30			.06	
LOWER SOUTHERN 03																																	
LA PLATA 1 W	4.03			.19	.49			T	.01							.95	.07	T	.10	.25		.37	.01	T	.45			.03	.88		T	.23	
MECHANICSVILLE 5 NE	3.95			.15	.45			T								.98	.03	T	.07	.24		.35	.01	.02	.43			T	1.14	T		.08	
OWINGS FERRY LANDING	4.44			.21	.92										*	.93	.15		.13	.20		.34	.01	T	.39			T	1.02			.14	
PATUXENT RIVER	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TALL TIMBERS	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UPPER SOUTHERN 04																																	
ANNAPOLIS POLICE BRKS	5.29			.43	.55											.84	.84		.18	.07		.50	.01	.04	.25			.02	1.25			.31	
BALTIMORE WSO ARPT	4.86			.60	.12											.82	.84	.04	.26	T	.01	.50	.59	.19			.83	.46	T	.38	.06		
BELTSVILLE	5.33			T	.97	.04										.12	.85		.24	.07	T	.20	.40	.01	.76				1.27			.40	
COLLEGE PARK	4.38				1.12	T										.24	.89		.24	.09		.29	.60	.30	.20				.35	.15		.15	
DALECARLIA RESVR DC	5.15			.48	.66			.02								.90			.27	.11		.58	.10	.28	.34	.20				1.18		.23	
GLENN DALE BELL STN	4.47			.28	.51	T										.47	.48		.23	.15		.60	.02	.62					1.09				
LAUREL 3 W	5.62			.81	.64				.40							.95		.10	.40			.62	.01	.70	.20			.46	.10		.53	.10	
NATIONAL ARBORETUM DC	5.40			.01	.90	.03										.13	.75	.23	.12			.07	.48	.01	1.03				1.27		.37		
UPPER MARLBORO 3 NNW	4.21				.68	.04										.07	.64	.22	.16			.06	.42	.01	.34				1.12		.25		
NORTHERN EASTERN SHORE 05																																	
CHESTERTOWN	5.47			.53	.75											.85		.08	.28	.05	T	.51	.02	.69	.22			.29	.73		.35	.12	
MILLINGTON 1 SE	5.70			.22	1.13			T								.80	.05		.23	.04		.48	.02	.01	1.03			*	1.24	.02		.43	
NORTHERN CENTRAL 06																																	
ABERDEEN PHILLIPS FLD	5.31		*	.47	1.05	T										*	*	.76	.29	T		.43	*	*	.85			T	1.16	*	*	.30	
BALTIMORE WSO CITY	5.05			.73	.08											.86		.03	.27			.36	.77	.14			.87	.46		.41	.07		
BENSON POLICE BARRACKS	7.05			.90	1.40	.40										.75	.05		.35	.05	.06	.48	.03	.45	.63			T	1.20	.09	.03	.18	
BOYDS 2 NW	4.55			.53	.23											.80		.25	.20			.26		.72	.31			.90		.35			
BRIGHTON DAM	4.84			.65	.60											.90		.10	.40			.40		.65	.30			.44	.40				
CATOCTIN MOUNTAIN PARK	5.14			.85	.77		.01									.63		T	.45	.19	.02	.35	.01	.38	.41			*	.83			.24	
CLARKSVILLE 3 NNE	6.20			.64	.98											.92		.38	.07			.39	.02	.62	.35			.04	1.21		.08	.50	
CONOWINGO DAM	5.49			1.13	1.04											.68	.01	.06	.42			.35	.04	.41	.30			.55	.15	.19	.09	.07	
DAMASCUS 2 SW	5.05			.61	.29											.89		.02	.36	.10		.29	.02	.51	.43			.31	.84		.11	.27	
EMMITSBURG 2 SE	4.83			1.40	.90											.18			.40			.40	.05	.30	.10			.10	1.00			T	
FREDERICK POLICE BRKS	M 3.69			.51	.67											.82	T		.38	.07		.35		.25	.40					T		.24	
MILLERS 4 NE	5.46		T	1.32	.49	T										.72		T	.38	.05		.44	T	.27	.43			.08	1.12	.09	T	.07	
POTOMAC FILTER PLANT	4.44			.50	.43											.76		.10	.45		.01	.32	.02	.40			.79	.34			.32		
ROCKVILLE 1 NE	5.50			.72	.38	T										.92	T	.11	.46		T	.30		.60	.21			.71	.38	.02	.67	.02	
TOWSON	8.05	.01		.98	1.31	.60			1.34							.99	.04		.42	.01		.50	.51	.50	.37	.02			.07	.34	.04		
UNIONVILLE	5.02			.94	.34											.71			.36			.38		.33	.49			.29	.83	.18	.02	.15	
WESTMINSTER POLICE BRK	4.72			.90	.89											.73			.38	.07		.40	.03	.22	.63				.47	T			
WOODSTOCK	5.46			.87	.92											.88			.36	.05		.45	.03	.37	.56			.10	.56		.06	.25	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
DECEMBER 1990

STATION	TOTAL	DAY OF MONTH																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
APPALACHIAN MOUNTAIN 07																																	
CUMBERLAND 2	5.32			.18	1.44											.15	.63		.41	.27		.33		.33	.22				1.10	.02		.24	
EDGEMONT	5.35			.03	1.53											.12	.65		.52	.20		.10	.14	.06	.73				1.05	.05		.17	
FROSTBURG 2	6.62			.09	1.46	.04	.02		T						T	.04	.98		.45	.57		.20	.22	.35	.33	.05		T	1.40	T	.04	.38	
HAGERSTOWN	5.24			.03	1.63											.06	.74		.51	.20		.19	.06	.16	.79				.63			.24	
HANCOCK	M 5.21			.10	1.55											.17	.57		.55	.26		.18	.02	.30	.44				-			1.07	
ALLEGHENY PLATEAU 08																																	
MC HENRY 2 NH	8.10		T	.22	1.08	.08	T								T	.28	1.13		1.05	.82		.14	T	.50	.60	.05		T	1.00	.04	.04	1.07	
MERRILL	5.88				1.25	.06									.01	.36	.50		.60	.30		.27		.55	.05	.20			1.20	.03	.50		
OAKLAND 1 SE	7.77		T	1.07	.35	.04										1.14	.11	T	.94	.45		.25		.78	.28			.04	1.19	.04	.21	.88	
SAVAGE RIVER DAM	5.65		T	.15	1.24	.02									T	.14	.88		.41	.32		.21	.01	.36	.23	.03			1.11	T	.03	.51	
DELAWARE																																	
NORTHERN 01																																	
NEWARK UNIVERSITY FARM	5.56			.60	1.37											.68	.05		.32	.11		.40	.01		.99				.68	.10	.05	.20	
WILMINGTON WSO ARPT	5.16			.77	.74											.69	T	.02	.30	.01		.40		.56	.26			.53	.62	.06	.16	.04	
WILMINGTON PORTER RSVR	5.94			1.05	.85											.71		.04	.39	.03		.57	.10	.61	.40			.20	.65	.14	.11	.09	
SOUTHERN 02																																	
DOVER	4.14			.10	.47				.10							.60	.15		.16	.06		.44	.09	.11	.60				.51	.31	.10	.34	
GEORGETOWN 5 SW	3.33				.12	.23			.19							.04	.80		.04	.05		.06		.51	.60	.10			.29	.41	.33	.17	
GREENWOOD 2 NE	3.99			.06	.43				.07							.90			.12			.47	.02		.69			T	.95	.01		.27	
LEWES	3.53			T	.57				.30							.51	.18		.07			.51	T		.04				1.14			.21	
MILFORD 4 SE	3.38			T	.28				.12							.62	.15		.09	T		.42			.46				1.00			.24	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
DECEMBER 1990

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	08	MAX	50	57	60	57	43	50	49	43	46	58	47	55	58	45	50	50	52	60	52	49	54	52	70	60	36	34	45	52	56	60	61	52.0	
		OBS					***						60																						
		MIN	39	41	47	26	40	31	29	33	35	33	36	33	31	28	44	35	35	48	35	42	48	46	41	20	22	28	36	35	38	24	22	34.9	
CRISFIELD SOMERS COVE	17	MAX	63	59	61	58	58	54	52	53	46	56	54	56	55	57	56	57	50	63	61	52	58	57	71	65	40	45	37	47	45	57	63	55.0	
		OBS																																	
		MIN	29	41	53	35	35	29	28	37	39	42	36	37	36	36	35	34	32	32	50	37	47	50	46	40	24	24	29	35	37	44	44	37.2	
		OBS	54	56																				42											
PRINCESS ANNE	17	MAX	54	60	58	65	46	52	53	49	50	59	56	57	63	59	45	53	48	69	68	51	61	66	70	67	39	40	37	46	49	66	69	55.6	
		OBS																																	
		MIN	24	43	37	42	28	23	28	32	34	30	31	27	38	33	30	25	30	40	47	29	44	51	51	36	20	18	24	31	35	46	41	33.8	
SALISBURY	17	MAX	57	60	57	65	45	52	51	48	46	61	51	60	64	61	53	51	47	69	69	50	62	67	71	70	38	40	38	46	50	67	69	56.0	
		MIN	27	35	41	43	30	24	31	40	33	33	31	28	41	32	27	43	34	38	45	30	43	52	55	34	19	21	25	32	34	46	41	35.1	
SALISBURY FAA ARPT	MID	MAX	55	61	64	64	40	52	51	45	48	59	46	58	62	46	53	51	44	69	54	50	61	69	71	67	34	39	40	46	52	68		54.0	
		MIN	24	30	41	36	32	22	28	37	34	36	27	27	42	27	28	32	32	43	38	30	50	56	59	29	22	19	25	36	36	52	30	34.2	
SNOW HILL 4 N	18	MAX	55	62	60	64	46	55	53	47	48	61	52	58	65	57	55	53	46	70	67	50	60	70	72	67	39	40	38	48	49	67	69	56.2	
		MIN	23	33	40	46	31	21	28	42	32	32	32	26	43	34	25	45	30	40	47	29	46	57	55	39	18	17	21	36	36	48	42	35.3	
CENTRAL EASTERN SHORE 02																																			
CAMBRIDGE WATER TRMT P	16	MAX	56	58	55	63	46	55	52	50	50	61	54	58	67	63	43	51	48	67	65	50	59	61	67	65	39	39	38	40	44	69	67	54.8	
		MIN	27	34	41	43	36	25	34	41	38	32	35	30	43	34	26	42	37	38	47	35	42	49	53	36	22	22	27	28	33	41	42	35.9	
		OBS																																	
ROYAL OAK 2 SSW	18	MAX	54	58	55	61	42	51	49	48	50	57	55	56	64	59	42	50	45	67	64	48	58	60	68	63	36	39	36	36	47	67	66	53.3	
		MIN	29	37	39	42	32	26	32	41	33	36	33	28	45	34	37	41	36	41	46	34	43	46	56	36	23	25	27	26	34	46	40	36.3	
VIENNA	18	MAX	54	61	57	65	46	53	52	54	54	66	51	55	67	60	48	50	51	68	63	51	59	62	65	64	39	40	35	43	47	65	65	55.2	
		OBS																																	
		MIN	23	26	35	38	26	21	28	35	29	31	26	28	38	25	38	36	31	32	34	29	38	***	***	***	***	***	***	***	***	***	***	***	
		OBS	44																																
LOWER SOUTHERN 03																																			
LA PLATA 1 W	18	MAX	57	58	57	63	43	55	51	49	51	61	55	59	67	62	42	50	45	70	68	48	49	62	71	69	34	40	32	33	51	70	70	54.6	
		MIN	29	37	35	41	29	24	33	40	28	29	29	29	44	32	24	38	32	39	45	30	43	45	58	30	19	20	23	26	31	50	37	33.8	
MECHANICSVILLE 5 NE	19	MAX	57	58	55	64	41	54	48	49	51	61	54	60	67	60	43	51	45	70	68	44	53	62	72	65	33	39	32	34	50	71	69	54.2	
		MIN	27	35	38	39	29	21	30	35	28	30	28	26	41	29	23	40	30	39	43	28	42	47	59	32	18	17	22	27	33	49	37	33.0	
OWINGS FERRY LANDING	17	MAX	57	59	54	62	40	54	47	48	50	58	53	57	65	61	41	50	44	69	68	47	51	61	71	67	33	39	33	33	49	70	69	53.5	
		OBS																																	
		MIN	26	33	39	39	30	22	31	38	29	29	30	28	37	30	24	39	32	39	46	28	42	46	58	33	18	19	23	26	32	48	39	33.3	
		OBS																																	
PATUXENT RIVER	MID	MAX																																	M
		MIN																																	M
TALL TIMBERS	17	MAX																																	M
		MIN																																	M
UPPER SOUTHERN 04																																			
ANNAPOLIS POLICE BRKS	17	MAX	63	63	53	58	42	53	47	50	52	60	54	53	67	62	41	51	47	69	69	48	54	61	71	67	38	42	39	36	42	70	67	54.5	
		MIN	21	26	38	34	24	19	28	34	26	26	23	19	39	26	33	33	29	34	39	28	36	39	55	35	13	14	20	18	23	40	32	29.2	
		OBS	33												54																				
BALTIMORE WSO ARPT	MID	MAX	57	59	57	64	40	54	48	52	51	58	45	58	66	43	45	48	47	68	53	45	53	63	69	65	34	39	30	34	38	68	63	52.1	
		MIN	25	33	41	31	27	23	33	38	32	34	28	25	36	27	26	38	32	41	33	32	42	47	59	26	19	21	24	30	32	36	29	32.3	
BELTSVILLE	08	MAX	46	56	57	65	49	49	56	45	50	51	58	46	61	66	43	46	49	49	68	51	45	52	65	70	47	35	39	33	35	60	68	51.9	
		MIN	21	28	37	39	29	22	27	33	27	29	25	23	29	28	23	34	30	31	42	28	30	44	49	45	12	18	20	24	29	34	41	30.0	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
DECEMBER 1990

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		
COLLEGE PARK	09	MAX OBS MIN OBS	47 23 32 39	55 32 39	58 40 31 24	63 40 31 24	49 31 24	42 32 39 36	57 32 39 36	48 31 28 27	51 36 31 28	53 31 28 27	60 31 28 27	47 31 31 26	58 36 32 36	66 32 36	44 36 32 36	46 46 31 35	49 35	52 46 31 35	68 46 31 35	55 46 31 35	46 54 66 69	54 66 69	69 47 44 34	47 44 34	44 34	38 31 31 32	31 32 30 32	55 32 37 30	68 52 30 32	52.3 32.0			
DALECARLIA RESVR DC	17	MAX MIN OBS	57 19 26	57 26 31	54 31 21	63 31 21	41 21 17	58 28 29	49 29 19	51 29 19	55 36 20	58 36 20	56 20 18	51 30 25	69 30 25	63 25 19	44 26 25	52 26 25	47 25 32	67 35 25	69 39 52	47 39 52	47 39 52	64 39 52	70 67 26	67 36 40	40 39 14	39 34 25	40 34 25	68 37 26	70 30 30	54.3 25.8			
GLENN DALE BELL STN	16	MAX MIN OBS	56 20 30	60 30 34	60 42 29	64 42 29	45 29 19	56 27 38	55 27 38	50 38 32	48 26 21	60 26 21	58 21 20	63 32 25	68 32 25	65 25 19	47 33 27	51 33 27	49 38 31	67 38	68 39 24	51 40 40	60 45 59	68 45 59	70 36 22	39 22 16	41 16 19	40 23 32	60 32 37	68 50 39	65 30 39	56.0 30.4			
LAUREL 3 W	MID	MAX MIN OBS	56 29 39	56 39 42	57 29 28	62 29 28	43 28 24	57 38 33	52 38 33	52 33 30	51 35 31	59 35 31	47 31 27	59 39 28	64 39 28	45 28	44 38	49 38	46 31	68 39	52 34	44 35	51 42	61 45	67 56	64 22	36 15	38 22	34 21	33 22	44 28	67 39	59 26	52.2 32.1	
NATIONAL ARBORETUM DC	08	MAX OBS MIN	46 28 30	56 30 40	59 40	65 42	51 32	41 25	56 25	50 35	54 30	52 30	60 30	47 27	60 27	69 34	48 36	51 35	49 34	68 46	53 30	45 33	56 46	65 54	71 37	48 19	35 21	40 22	33 25	33 31	59 32	69 44	52.8 32.7		
UPPER MARLBORO 3 NNW	08	MAX OBS MIN	47 19 21	60 21 31	60 36 25	64 36 25	50 25 16	41 19 27	56 19 27	48 27 22	50 23	53 20	60 20	47 18	60 20	67 27	45 22	48 30	52 26	49 29	70 38	52 22	45 24	51 40	66 45	72 40	45 13	36 14	40 14	33 21	33 27	61 28	70 37	52.6 25.6	
NORTHERN EASTERN SHORE	05																																		
CHESTERTOWN	23	MAX MIN	55 29	57 34	58 35	63 32	40 29	52 24	48 30	48 37	50 32	58 37	43 27	59 24	65 35	46 24	45 24	50 42	46 33	66 38	55 36	46 30	60 42	62 46	66 57	63 25	31 18	38 22	30 23	33 26	40 31	66 35	62 28	51.6 31.8	
MILLINGTON 1 SE	18	MAX OBS MIN OBS	55 27 30	56 30 32	52 39 28	64 39 28	40 28 23	54 28 37	47 28 37	49 37 26	50 31	59 31	53 26	57 23	65 35	60 29	41 20	52 38	46 29	65 38	66 42	51 27	66 42	61 49	68 60	64 34	34 19	40 20	36 23	40 22	39 32	67 35	67 37	53.7 31.6	
NORTHERN CENTRAL	06																																		
ABERDEEN PHILLIPS FLD	16	MAX OBS MIN	50 23	49 42	60 42	42 32	49 24	46 30				58 39	57 25	50 23	62 32	61 30		46 34	63 43	63 45	48 30	55 43		55 38		39 18	37 22	33 30				64 44		M	
BALTIMORE WSO CITY	MID	MAX MIN	54 31	55 38	56 40	61 30	39 29	54 27	45 36	50 37	52 35	58 42	42 34	53 32	66 40	41 32	43 33	46 41	46 36	67 39	53 39	42 34	52 40	60 47	66 56	64 23	33 17	38 23	28 21	31 24	67 31	62 37	50.4 33.9		
BENSON POLICE BARRACKS	17	MAX MIN OBS	54 25 33	57 33 36	53 36	60 39	41 27	57 25	42 33	53 37	53 32	59 33	55 29	57 24	65 33	62 28	40 25	50 38	48 33	64 39	62 43	47 29	56 42	56 46	64 55	64 33	35 12	40 20	35 21	34 22	38 29	66 36	52.7 32.1		
BOYDS 2 NW	18	MAX MIN	55 27	56 37	53 37	61 34	38 28	54 25	47 33	48 33	52 33	56 37	49 29	58 30	63 43	55 26	40 27	47 38	44 32	64 38	52 35	45 30	60 38	62 54	65 58	58 28	32 13	38 21	31 21	25 22	36 25	64 34	63 32	50.7 32.2	
CATOCTIN MOUNTAIN PARK	17	MAX OBS MIN	54 28 41	48 31 32	42 30	54 30	35 23	46 24	42 30	42 31	47 30	48 41	44 27	54 28	56 42	45 22	39 23	44 34	44 29	58 34	38 37	48 35	58 42	59 54	56 23	25 10	28 18	26 12	29 18	42 26	57 38	54 26	45.8 29.5		
CLARKSVILLE 3 NNE	17	MAX OBS MIN	59 16 27	57 27 32	53 39 28	63 39 28	39 20	57 26	51 32	50 23	51 23	57 26	55 23	62 28	65 26	60 19	42 17	47 28	48 66	66 66	52 52	52 64	68 68	65 35	39 39	34 54	34 23	39 15	34 15	68 18	63 30	53.6 29.0			
CONOWINGO DAM	MID	MAX MIN OBS	52 21 26	55 26 30	55 28	64 23	41 19	53 23	45 23	50 29	55 27	58 26	42 23	53 28	65 26	47 19	43 17	54 28	50 24	61 37	55 29	45 24	55 36	57 41	64 41	62 21	36 13	43 15	30 19	39 18	40 28	60 31	58 22	51.2 25.6	
DAMASCUS 2 SW	19	MAX MIN	54 27	54 38	55 36	60 32	36 27	52 25	44 35	48 33	49 31	54 37	46 27	58 29	62 43	48 27	39 37	46 39	43 30	63 37	62 39	42 31	46 38	60 43	63 58	61 25	31 12	35 20	29 21	29 22	38 27	63 38	60 29	49.4 31.7	
EMMITSBURG 2 SE	17	MAX MIN	52 20	52 28	43 32	56 35	38 29	54 24	43 27	51 29	53 29	57 34	51 25	53 21	62 32	52 22	38 19	45 35	43 27	61 38	62 42	44 37	45 44	59 57	64 47	65 29	30 15	35 18	32 20	29 20	34 28	56 33	57 32	48.9 29.2	
FREDERICK POLICE BRKS	17	MAX MIN	51 27	55 34	55 37	56 37	42 30	53 26	54 33	52 33	52 36	57 36	55 30	55 25	62 37	62 29	42 28	47 32	45 32	60 39	65 44	48 30	50 38	61 44	65 58	62 32	34 16	36 20	36 22	31 20	36 28	57 33	58 35	51.4 32.5	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
DECEMBER 1990

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	
MILLERS 4 NE	18	MAX MIN	55 27	51 36	49 35	59 33	36 26	52 25	43 29	47 32	50 31	55 36	46 29	61 23	60 39	49 26	39 24	45 39	44 31	63 37	63 38	40 27	49 39	59 45	64 57	62 26	30 14	35 18	30 20	28 21	37 27	62 35	60 30	49.1 30.8
ROCKVILLE 1 NE	MID	MAX MIN	56 32	55 38	57 40	63 30	37 30	56 25	47 34	48 37	50 32	48 36	45 29	57 26	63 40	40 29	45 31	46 40	44 33	67 40	51 34	43 31	49 41	65 48	69 60	65 22	33 16	38 21	29 23	33 27	44 31	67 44	60 27	50.6 33.1
TOWSON	18	MAX OBS MIN OBS		57 36																														M M
UNIONVILLE	17	MAX OBS MIN OBS	56 18	53 28	51 31	60 33	38 29	54 20	44 27	50 29	53 22	57 26	47 21	59 20	61 29	52 18	40 24	45 35	45 25	64 41	63 38	44 21	45 38	62 44	65 58	63 28	33 13	38 15	31 18	31 21	35 28	64 34	59 30	50.4 27.8
WESTMINSTER POLICE BRK	17	MAX MIN	59 24	54 34	52 32	62 34	38 31	51 24	51 30	48 30	50 28	65 38	51 26	58 23	62 38	60 16	41 21	47 36	45 28	61 34	65 39	46 27	48 35	61 41	66 52	64 33	36 12	37 14	36 15	30 15	38 23	63 30	65 31	51.9 28.8
WOODSTOCK	18	MAX MIN	58 20	54 30	50 37	62 35	39 28	55 21	46 29	50 33	53 26	58 38	52 25	60 22	64 33	53 24	40 23	46 38	46 28	65 38	66 40	42 29	50 40	62 45	66 58	63 29	35 15	40 17	33 21	33 22	37 32	65 36	65 32	51.9 30.5
APPALACHIAN MOUNTAIN	07																																	
CUMBERLAND 2	18	MAX MIN	55 20	52 35	48 36	46 27	37 27	49 29	44 23	52 23	55 35	56 28	50 24	50 35	60 26	45 26	46 32	43 36	48 39	48 25	41 25	45 39	53 25	56 42	52 36	33 15	33 15	27 19	29 20	37 22	52 29	46 34	46.3 27.9	
FROSTBURG 2	07	MAX MIN	38 23	55 27	45 32	47 30	37 20	35 20	42 29	37 26	35 28	44 29	47 26	44 24	54 35	53 23	37 20	50 26	35 30	37 30	50 36	37 26	35 27	51 34	62 49	57 31	31 9	27 9	24 12	23 14	27 20	58 27	65 30	42.6 25.9
HAGERSTOWN	08	MAX MIN	46 26	58 35	54 35	52 34	46 28	37 26	53 29	44 27	50 32	54 37	55 28	45 23	52 23	62 26	40 25	43 32	43 33	44 33	59 41	48 27	41 26	54 38	63 45	62 34	35 13	30 16	35 20	26 20	34 22	47 33	55 35	47.3 29.1
HANCOCK	08	MAX MIN	48 16	59 22	54 30	49 36	44 28	45 24	52 25	44 19	52 20	56 28	57 25	47 19	46 21	63 24	42 20	45 32	44 37	46 38	48 40	47 20	42 21	46 39	54 46	56 39	40 13	34 13	32 16	26 20	32 27	40 30	50 34	46.5 26.5
ALLEGHENY PLATEAU	08																																	
MC HENRY 2 NW	08	MAX MIN OBS	41 20	53 36	45 32	53 30	30 17	30 16	40 28	38 25	38 25	42 25	44 23	49 24	54 27	48 18	34 18	50 32	31 29	56 29	58 32	35 26	40 26	56 40	60 46	50 20	21 5	27 5	23 11	27 14	49 27	60 47	64 25	43.4 25.1
OAKLAND 1 SE	17	MAX OBS MIN	55 14	55 23	44 33	56 37	24 18	40 20	40 23	39 19	44 28	47 35	51 18	59 23	55 29	43 14	52 28	51 31	41 30	60 37	49 34	37 23	63 36	63 45	61 44	46 16	28 6	29 17	23 11	36 16	57 30	66 47	54 23	47.4 25.6
SAVAGE RIVER DAM	08	MAX MIN	40 19	58 20	52 33	49 36	39 22	38 24	45 28	43 23	44 23	47 29	50 25	44 25	58 26	55 23	36 22	51 30	39 33	40 33	52 37	40 24	39 25	43 37	56 38	55 30	31 13	29 12	29 15	24 18	31 20	42 28	65 31	44.0 25.9
DELAWARE																																		
NORTHERN	01																																	
NEWARK UNIVERSITY FARM	17	MAX OBS MIN	53 23	55 29	50 33	64 39	52 29	51 25	47 27	50 38	49 29	51 29	57 26	54 23	59 34	56 28	38 21	52 37	48 28	63 38	65 42	44 28	54 40	61 47	66 57	64 35	35 18	37 17	29 22	36 21	39 32	64 36	66 35	51.9 31.2
WILMINGTON WSO ARPT	MID	MAX MIN	53 25	57 30	57 37	65 32	38 29	53 27	48 29	50 34	49 28	57 36	39 28	52 25	60 33	40 25	44 24	51 41	49 29	66 39	52 33	45 31	57 43	62 50	66 55	64 25	31 18	37 20	29 22	35 27	37 34	66 35	61 26	50.6 31.3
WILMINGTON PORTER RSVR	MID	MAX MIN	51 32	55 36	56 39	63 33	38 29	50 27	46 33	47 35	48 32	55 39	39 28	51 28	58 39	42 25	49 25	47 41	64 30	54 38	44 37	44 32	57 43	65 50	65 57	63 25	30 18	36 22	28 22	35 25	38 35	65 37	58 28	49.5 32.9
SOUTHERN	02																																	
DOVER	17	MAX MIN	57 33	58 31	53 37	66 44	44 30	54 29	49 32	49 34	49 35	58 37	54 30	59 30	66 40	60 31	43 28	51 31	51 33	67 44	61 49	53 31	57 44	61 51	67 56	62 34	35 19	36 20	33 18	39 29	43 33	69 43	66 33	53.9 34.5
GEORGETOWN 5 SW	08	MAX OBS MIN	55 23	53 33	59 33	65 50	65 31	40 21	53 28	51 30	54 35	52 34	59 27	45 27	58 38	62 37	46 23	54 33	51 35	53 35	68 50	53 28	55 37	64 41	65 47	68 51	61 19	32 17	41 23	42 26	47 38	62 41	61 36	54.6 33.1

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
DECEMBER 1990

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	
GREENWOOD 2 NE	18	MAX	54	58	62	64	38	52	48	47	46	57	44	56	63	46	46	49	44	67	66	46	58	62	67	64	34	36	31	39	50	66	65	52.4
		MIN	26	33	33	38	30	23	29	35	33	35	26	27	40	29	24	40	33	39	39	29	44	53	56	33	19	19	25	25	33	49	36	33.3
LEWES	17	MAX	56	58	55	64	42	54	50	47	48	59	53	60	67	60	54	52	46	69	68	49	57	70	71	69	37	37	39	46	53	71	71	55.9
		MIN	32	42	44	42	31	27	33	43	34	39	34	30	46	36	31	45	37	40	47	38	47	57	58	37	21	24	24	36	36	52	42	38.2
MILFORD 4 SE	17	MAX	56	60	55	65	42	53	54	46	48	59	53	58	66	60	47	52	46	68	68	48	59	65	70	67	36	38	34	43	52	69	67	55.0
		OBS																																
		MIN																																
		OBS	37	34	41	42	31	25	23	41	33	38	29	28	42	31	24	41	34	38	42	34	44	44	58	36	20	20	26	33	33	52	41	35.3

SEE REFERENCE NOTES FOLLOWING STATION INDEX

SNOWFALL AND SNOW ON GROUND (INCHES)

MARYLAND AND
DELAWARE
DECEMBER 1990

STATION		DAY OF MONTH																																		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
MARYLAND																																				
SOUTHERN EASTERN SHORE	01																																			
SALISBURY FAA ARPT						T																														
CENTRAL EASTERN SHORE	02																																			
CAMBRIDGE WATER TRMT P																																				
ROYAL OAK 2 SSW																												T	1.0							
LOWER SOUTHERN	03																											T								
LA PLATA 1 W																												T	1.3							
MECHANICSVILLE 5 NE																												T	1.0							
OWINGS FERRY LANDING																												T	.8							
UPPER SOUTHERN	04																																			
ANNAPOLIS POLICE BRKS																																				
BALTIMORE WSO ARPT																T												4.8	T		1	T				
BELTSVILLE																																				
GLENN DALE BELL STN																																				
NATIONAL ARBORETUM DC																																				
UPPER MARLBORO 3 NNW																																				
NORTHERN EASTERN SHORE	05																																			
CHESTERTOWN																																				
NORTHERN CENTRAL	06																																			
ABERDEEN PHILLIPS FLD						T																														
BENSON POLICE BARRACKS																																				
BOYDS 2 NW																																				
CATOCTIN MOUNTAIN PARK					T																															

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

SNOWFALL AND SNOW ON GROUND (INCHES)

MARYLAND AND
DELAWARE
DECEMBER 1990

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		
CLARKSVILLE 3 NNE	SNOWFALL SN ON GND																											.4 T	6.1 5					
DAMASCUS 2 SW	SNOWFALL SN ON GND															T												4.0 4	4.0 7		6	T		
EMMITSBURG 2 SE	SNOWFALL SN ON GND																											1.0 1	10.0 9		8	1		
FREDERICK POLICE BRKS	SNOWFALL SN ON GND																											-	-		-			
MILLERS 4 NE	SNOWFALL SN ON GND				T	T										T												1.1 1	7.7 8		6	T		
ROCKVILLE 1 NE	SNOWFALL SN ON GND					T																						6.0 6	T 6		4	T		
WESTMINSTER POLICE BRK	SNOWFALL SN ON GND																												7.0 7		6			
WOODSTOCK	SNOWFALL SN ON GND																											1.0 1	7.0 7		5			
APPALACHIAN MOUNTAIN 07																																		
CUMBERLAND 2	SNOWFALL SN ON GND																												13.0 13		12	9		
FROSTBURG 2	SNOWFALL SN ON GND				.5 1	1.5 1	1.0 T		T T		T T						.1 T	.5								T T	1.0 1		T T	12.5 12	T 12		6	T T
HAGERSTOWN	SNOWFALL SN ON GND																												11.0 11		7	4		
HANCOCK	SNOWFALL SN ON GND																												-	14	-	-	-	
ALLEGHENY PLATEAU 08																																		
MC HENRY 2 NW	SNOWFALL SN ON GND					2.0 2	T 2		1 T		T T															1.0 1	.5 1		T 1	10.0 10		5		.5
MERRILL	SNOWFALL SN ON GND				3.1 3	-																							11.0 11		9	6		
OAKLAND 1 SE	SNOWFALL SN ON GND		T		T T	2.3 2		T																		1.0 1		T 1	1.0 1	6.0 7		-	-	1
SAVAGE RIVER DAM	SNOWFALL SN ON GND					- T																						- -	- -	- -	-	-	4	-
DELAWARE																																		
NORTHERN 01																																		
NEWARK UNIVERSITY FARM	SNOWFALL SN ON GND																													6.4 6		-		
WILMINGTON WSO ARPT	SNOWFALL SN ON GND WTR EQUIV																T T												5.4 6 .9	1.0 6 .7		4 7	2	
WILMINGTON PORTER RSVR	SNOWFALL SN ON GND																											3.0 3	3.0 4		-	-	-	
SOUTHERN 02																																		
DOVER	SNOWFALL SN ON GND																													5.0 5				

SNOWFALL: INCLUDES SNOW AND ICE. VALUES FOR NWS STATIONS (J INDEX NOTE) ARE MID-MID (LST).
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 SEE REFERENCE NOTES FOLLOWING STATION INDEX

SNOWFALL AND SNOW ON GROUND (INCHES)

MARYLAND AND
DELAWARE
DECEMBER 1990

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	
GREENWOOD 2 NE	SNOWFALL SN ON GND																												T T	1.0			

SNOWFALL: INCLUDES SNOW AND ICE. VALUES FOR NWS STATIONS (J INDEX NOTE) ARE MID-MID (LST).
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 SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
DECEMBER 1990

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER	
							LOCAL STD TIME					
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)		
MARYLAND												
ABERDEEN PHILLIPS FLD	001506		HARFORD	39 28	76 10W	57	16	16		C	H	ROSS AVIATION INC
ANNAPOLIS POLICE BRKS	019304		ANNE ARUNDEL	38 59	76 30W	30	17	17			H	ANNAPOLIS POLICE BRKS
ASSATEAGUE IS NATL SEA	033501		WORCESTER	38 14	75 8W	7	08	07			H	NATIONAL PARK SERVICE
BALTIMORE WSO ARPT	046504		ANNE ARUNDEL	39 11	76 40W	148	MID	MID		C	H	NATL WEATHER SERVICE
BALTIMORE WSO CITY #	047006		BALTIMORE CI	39 17	76 37W	14	MID	MID		C	C	OCCM COMMANDING OFFICER
BELTSVILLE	070004		PRINCE GEORG	39 2	76 53W	120	08	08	08	H		US DEPT OF AGRICULTURE
BENSON POLICE BARRACKS	073206		HARFORD	39 30	76 23W	365	17	17		H		MARYLAND STATE POLICE
BOYDS 2 NW	103206		MONTGOMERY	39 13	77 20W	581	18	18			H	HUNTER F STALEY
BRIGHTON DAM	112506		MONTGOMERY	39 12	77 1W	331		MID				WASH SUB SANY COMM
CAMBRIDGE WATER TRMT P	138502		DORCHESTER	38 34	76 4W	10	16	16			H	WASTEWATER TRMT PLANT
CATOCTIN MOUNTAIN PARK	153006		FREDERICK	39 39	77 29W	1610	17	17		C	H	CATOCTIN MOUNTAIN PARK
CHESTERTOWN	175005		KENT	39 13	76 4W	39	23	23			H	THOMAS W ELIASON JR
CLARKSVILLE 3 NNE	186206		HOWARD	39 15	76 56W	365	17	17			H	UNIVERSITY OF MARYLAND
COLLEGE PARK	199504		PRINCE GEORG	38 59	76 57W	90	09	09		C	H	UNIVERSITY OF MARYLAND
CONOWINGO DAM	206006		HARFORD	39 39	76 10W	39	MID	MID				SUSQUEHANNA ELECTRIC CO
CRISFIELD SOMERS COVE	221501		SOMERSET	37 59	75 52W	8	17	17			H	SOMERS COVE MARINA
CUMBERLAND 2	228207		ALLEGANY	39 38	78 45W	730	18	07			H	TIMOTHY B THOMAS
DALECARLIA RESVR DC	232504		DIS COLUMBIA	38 56	77 7W	151	17	17				U S CORPS OF ENGINEERS
DAMASCUS 2 SW	233506		MONTGOMERY	39 16	77 14W	722	19	19			H	RICHARD W SCHWERDT
DENTON 2 E	252302		CAROLINE	38 53	75 48E	49	17	17			H	INACTIVE 04/01/90
EDGEMONT	277007		WASHINGTON	39 40	77 33W	905		07				JOHN W HARNE
EMMITSBURG 2 SE	290606		FREDERICK	39 41	77 18W	420	17	17			H	MRS LUCILLE K BEALE
FREDERICK POLICE BRKS	334806		FREDERICK	39 25	77 26W	381	17	17			H	MARYLAND STATE POLICE
FROSTBURG 2	341507		ALLEGANY	39 40	78 56W	2172	07	07			H	LEE K CLOSE
GLENN DALE BELL STN	367504		PRINCE GEORG	38 58	76 48W	151	16	16			H	USDA PLT INTRODUCT STN
HAGERSTOWN	397507		WASHINGTON	39 39	77 44W	659	08	08			H	HAGERSTOWN RESERVOIR
HANCOCK	403007		WASHINGTON	39 42	78 11W	428	08	08		C	H	TOWN OF HANCOCK
LA PLATA 1 W	508003		CHARLES	38 32	77 0W	140	18	18			H	C RUSSELL LEVERING
LAUREL 3 W	511104		PRINCE GEORG	39 6	76 54W	400	MID	MID				WASH SUB SANY COMM
MC HENRY 2 NW	583208		GARRETT	39 35	79 22W	2680	08	08		C	H	JOSEPH F JOHANNING
MECHANICSVILLE 5 NE	586503		ST MARYS	38 27	76 41W	100	19	19			H	SANDRA J HASTINGS
MERRILL	589408		GARRETT	39 36	79 5W	1791		09			H	DELWOOD E MERRILL
MILLERS 4 NE	593406		CARROLL	39 43	76 48W	860	18	18		C	H	ROBERT P MILLER
MILLINGTON 1 SE	598505		KENT	39 16	75 52W	30	18	18			H	HOWARD L HARVEY
NATIONAL ARBORETUM DC	635004		DIS COLUMBIA	38 54	76 59W	49	08	08			H	U S NATL ARBORETUM
OAKLAND 1 SE	662008		GARRETT	39 24	79 24W	2421	17	17			H	BEA J CROSCO
OWINGS FERRY LANDING	677003		CALVERT	38 41	76 40W	160	17	17			H	JAMES C RASMUSSEN
PATUXENT RIVER	691503		ST MARYS	38 20	76 25W	38	MID	MID		C	H	NAVAL WEATHER SERVICE
POTOMAC FILTER PLANT	727206		MONTGOMERY	39 2	77 15W	269		08				POTOMAC WATER FILT PLT
PRINCESS ANNE	733001		SOMERSET	38 13	75 41W	20	17	17			H	UNIV OF MD EASTERN SHORE
ROCKVILLE 1 NE	770506		MONTGOMERY	39 6	77 6W	440	MID	17			H	WASHINGTON GAS AND LIGHT
ROYAL OAK 2 SSW	780602		TALBOT	38 43	76 11W	10	18	18			H	JOHN L SWAINE JR
SALISBURY	800001		WICOMICO	38 22	75 35W	10	17	17			H	CITY OF SALISBURY
SALISBURY FAA ARPT #	800501		WICOMICO	38 20	75 31W	48	MID	MID			H	FAA
SAVAGE RIVER DAM	806508		GARRETT	39 31	79 8W	1495	08	08	08	C	H	US CORPS OF ENGINEERS
SNOW HILL 4 N	838001		WORCESTER	38 14	75 23W	30	18	18			H	CURTIS E SHOCKLEY
TALL TIMBERS	875703		ST MARYS	38 10	76 33W	12	17	17			H	RICHARD A EVERETT
TOWSON	887706		BALTIMORE	39 23	76 34W	390	18	18				BENDIX FRIEZ
UNIONVILLE	903006		FREDERICK	39 27	77 11W	430	17	07		C		RICHARD GETZANDANNER
UPPER MARLBORO 3 NNW	907004		PRINCE GEORG	38 52	76 47W	98	08	08	08	H		UNIVERSITY OF MARYLAND
VIENNA	914002		DORCHESTER	38 29	75 50W	10	18	18			H	DELMARVA POWER & LIGHT
WESTMINSTER POLICE BRK	944006		CARROLL	39 33	76 58W	765	17	17			H	MARYLAND STATE POLICE
WOODSTOCK	975006		BALTIMORE	39 20	76 52W	459	18	18			H	JOHN A HILTZ

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
DECEMBER 1990

DECEMBER 1970

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 31 W	30	17	17		H	STATE DIV OF HIGHWAYS
GEORGETOWN 5 SW	3570	002	SUSSEX	38 38	75 27 W	45	08	08	08	H	UNIV OF DEL SUBSTATION
GREENWOOD 2 NE	3595	002	SUSSEX	38 50	75 35 W	45	18	18		H	DANIEL M SWARTZENTRUBER
LEWES	3320	002	SUSSEX	38 46	75 8 W	15	17	17			BOARD OF PUBLIC WORKS
MILFORD 4 SE	5915	002	SUSSEX	38 54	75 28 W	30	17	17		H	DAVID S SCHLOTT
NEWARK UNIVERSITY FARM	6410	001	NEW CASTLE	39 40	75 44 W	90	17	17	17	C	UNIV OF DEL AGRIC FARM
WILMINGTON HSO ARPT	9595	001	NEW CASTLE	39 40	75 36 W	79	MID	MID		H	NATL WEATHER SERVICE
WILMINGTON PORTER RSVR	9605	001	NEW CASTLE	39 46	75 32 W	274	MID	MID		H	WATER DEPARTMENT

SEE REFERENCE NOTES FOLLOWING STATION INDEX

REFERENCE NOTES

MARYLAND AND
DELAWARE
DECEMBER 1990

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. DECEMBER 1990:0585

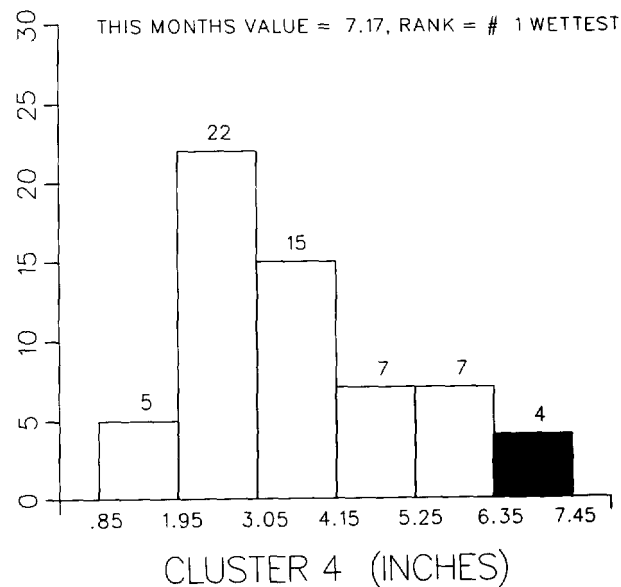
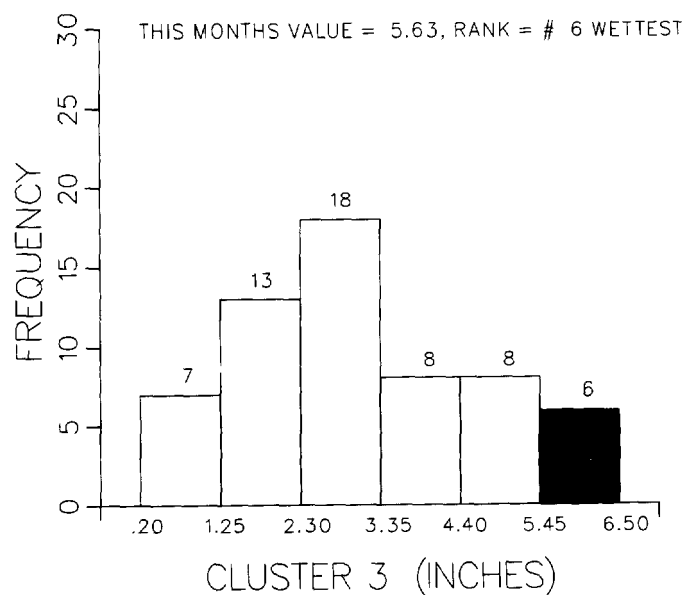
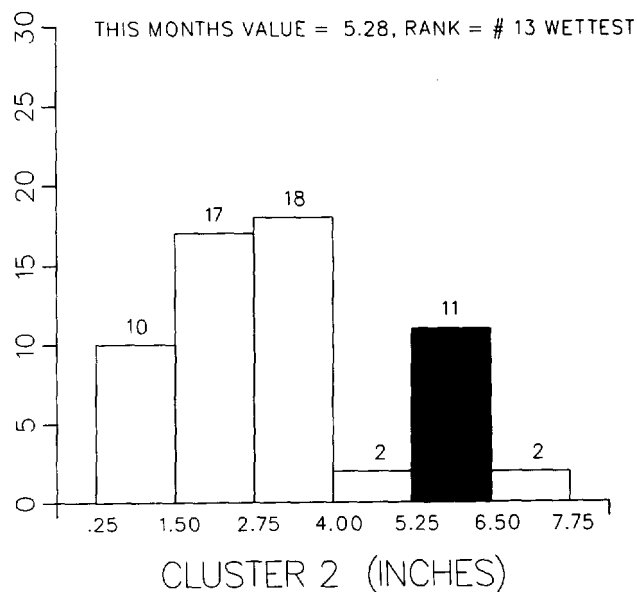
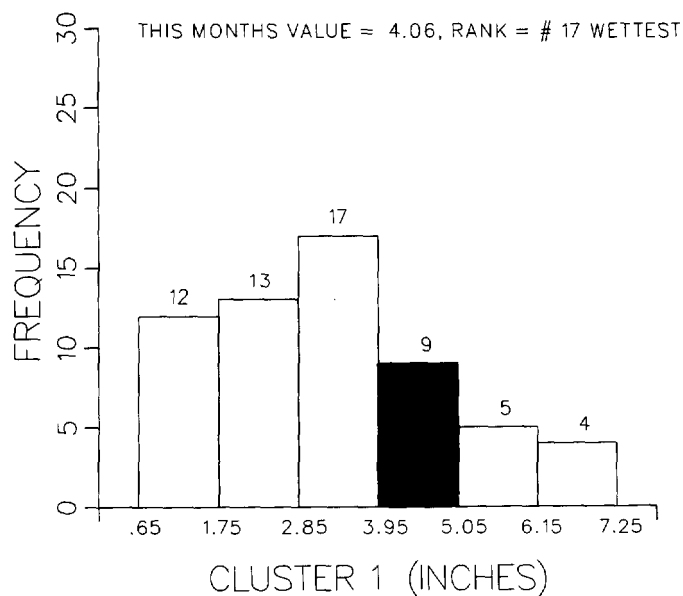
MEAN MONTHLY PRECIPITATION FREQUENCY DISTRIBUTION FOR PERIOD OF RECORD 1931-1990 FOR MONTH OF DECEMBER MARYLAND

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

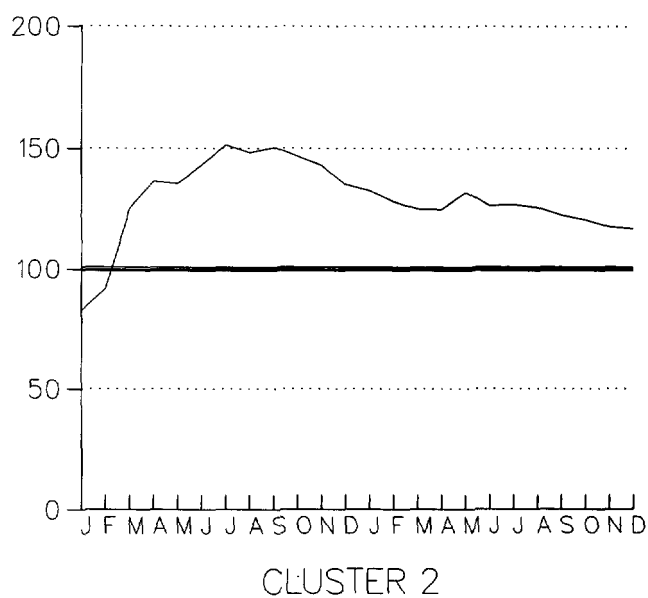
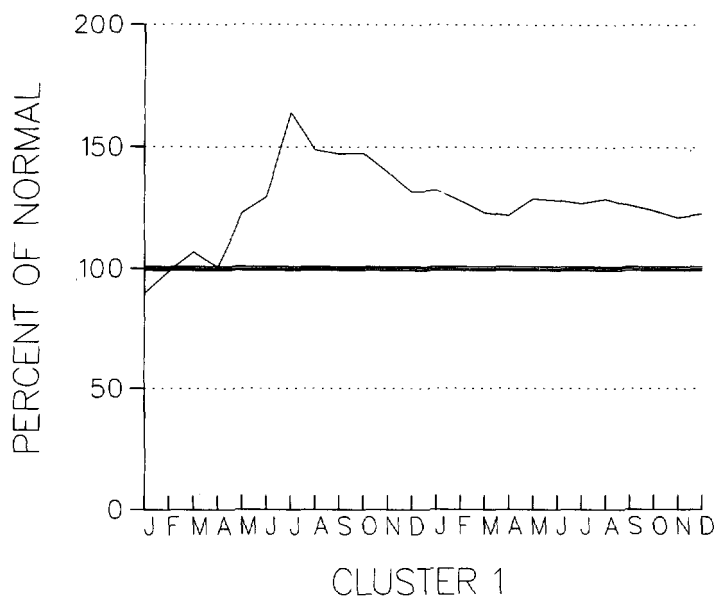
CLUSTER 4 -DIVISION(S):
ALLEGHENY PLATEAU 08



CUMULATIVE PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)
FOR THE LAST 24 MONTHS
ENDING DECEMBER 1990
DELAWARE

CLUSTER 1 -DIVISION(S):
NORTHERN 01

CLUSTER 2 -DIVISION(S):
SOUTHERN 02



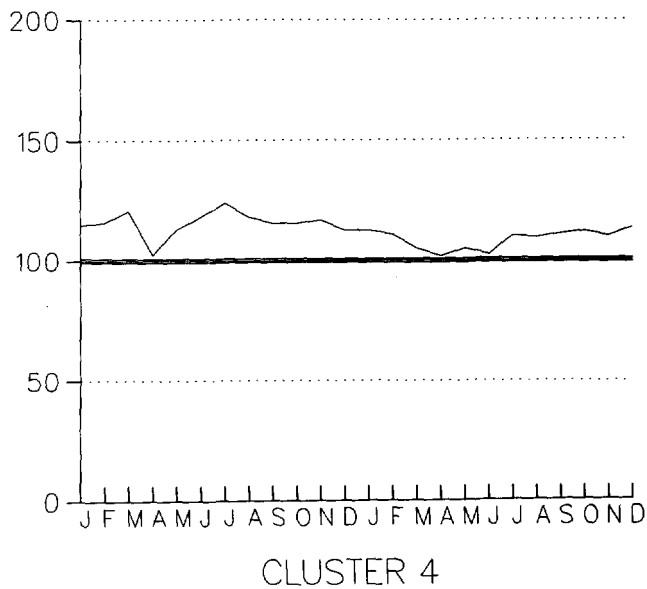
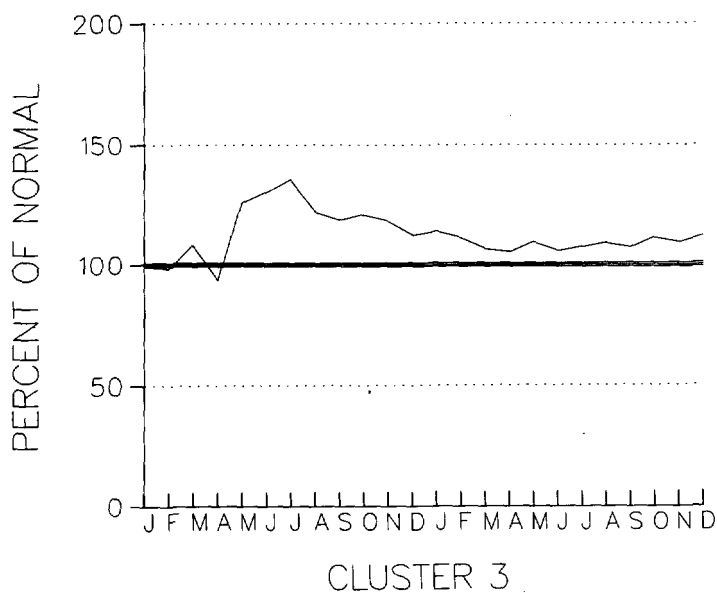
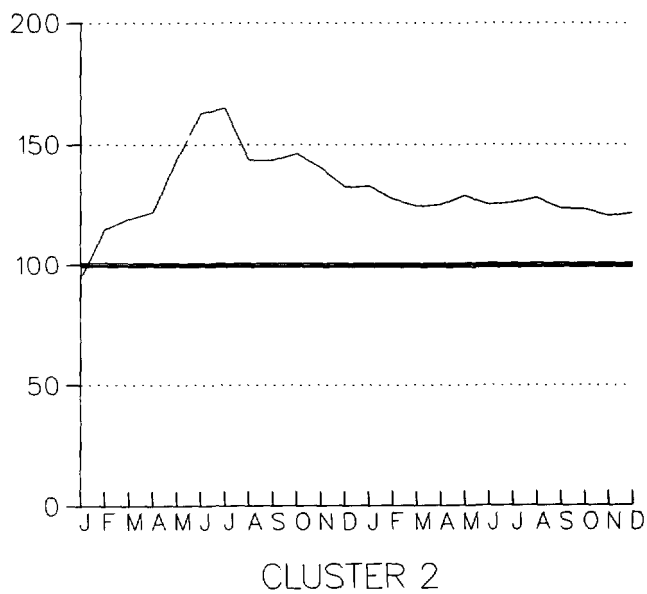
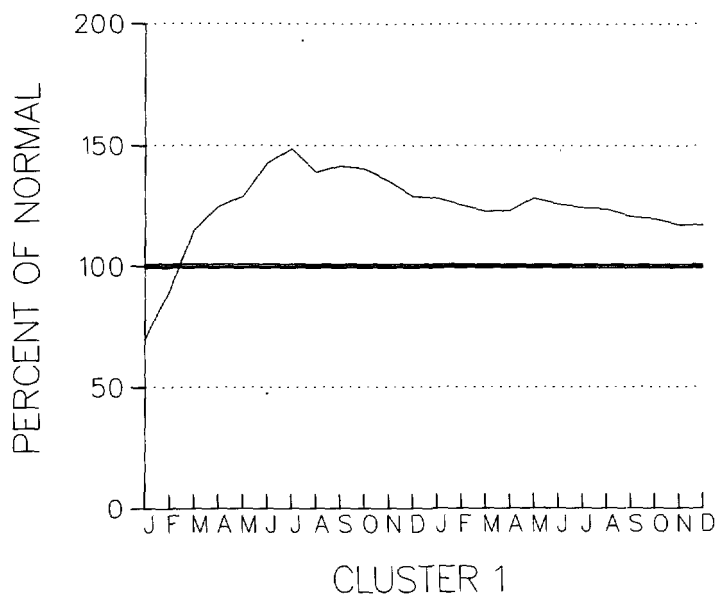
CUMULATIVE PRECIPITATION DEPARTURES FROM NORMAL (1951-1980) FOR THE LAST 24 MONTHS ENDING DECEMBER 1990 MARYLAND

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

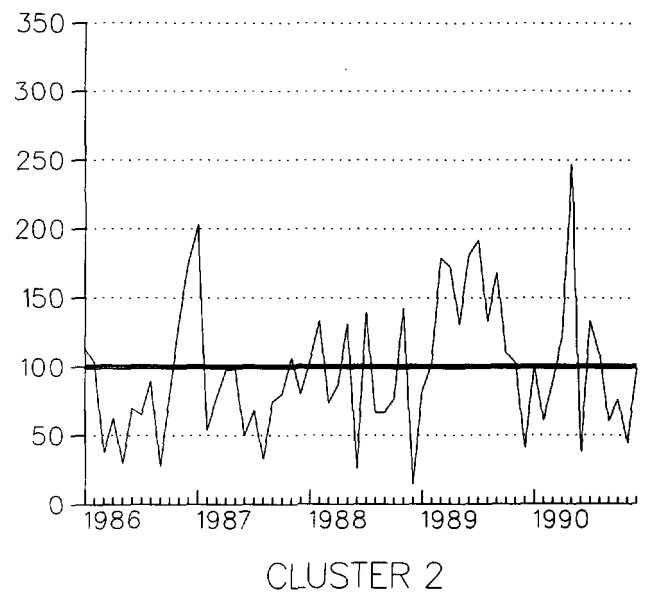
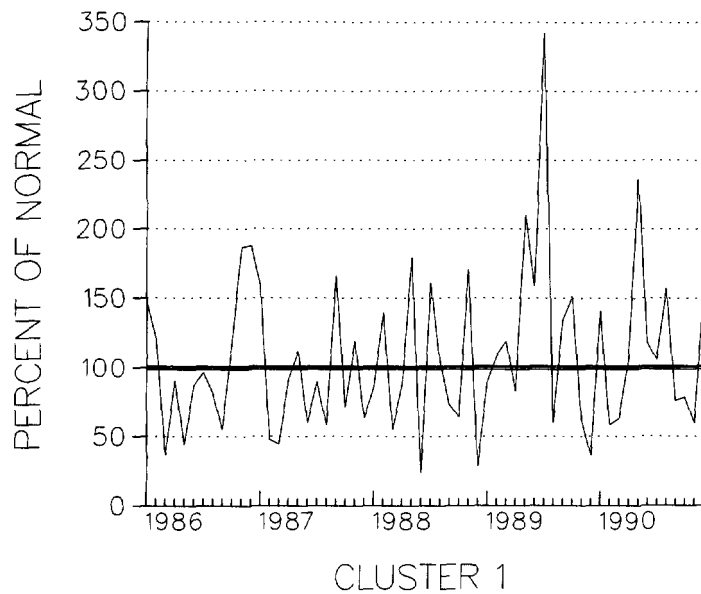
CLUSTER 4 -DIVISION(S):
 ALLEGHENY PLATEAU 08



PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)
FOR THE 60 MONTHS
ENDING DECEMBER 1990
DELAWARE

CLUSTER 1 -DIVISION(S):
NORTHERN 01

CLUSTER 2 -DIVISION(S):
SOUTHERN 02



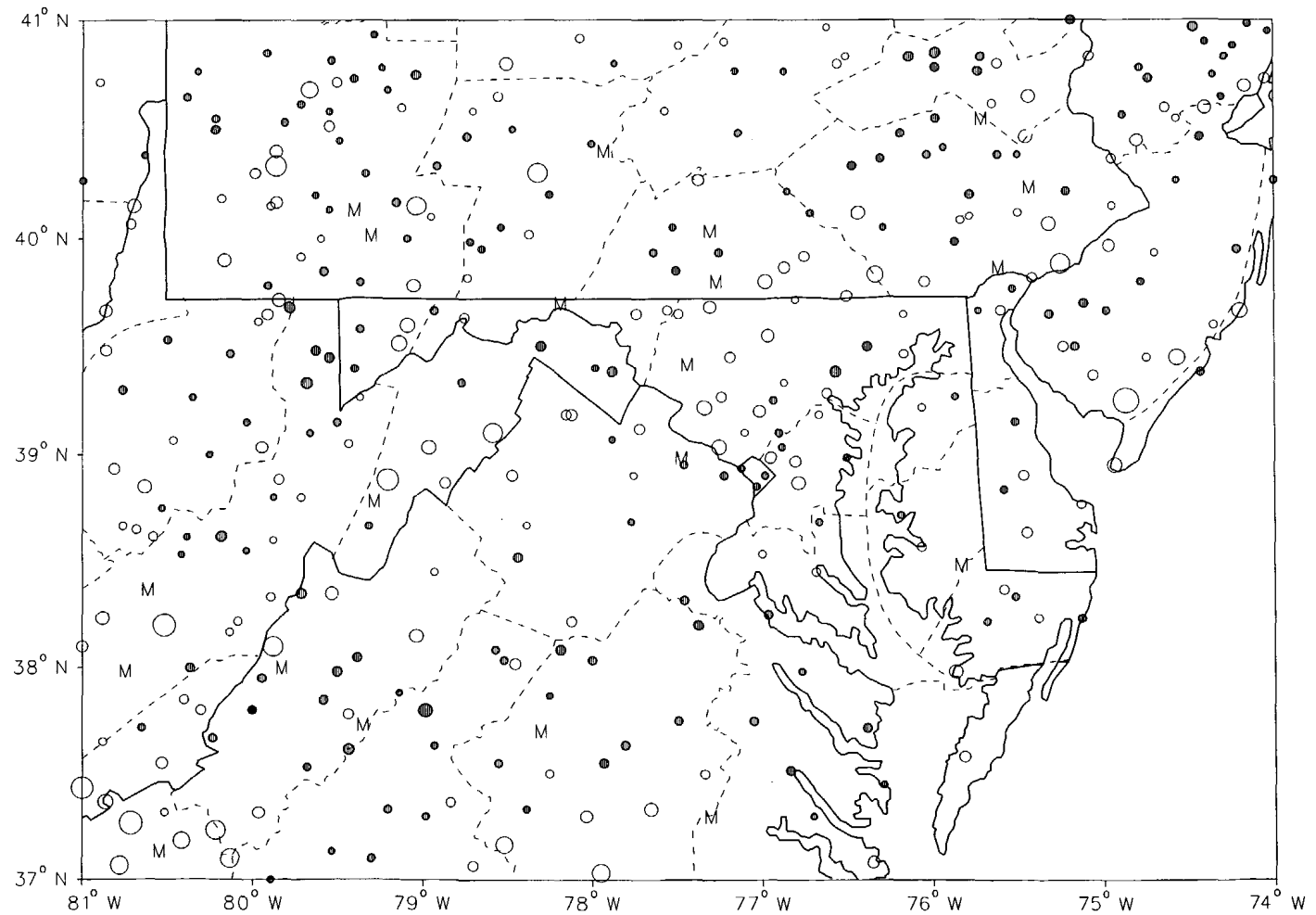
MONTHLY PRECIPITATION DEPARTURE FROM THE DIVISIONAL AVERAGE FOR DECEMBER 1990 MARYLAND & DELAWARE

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

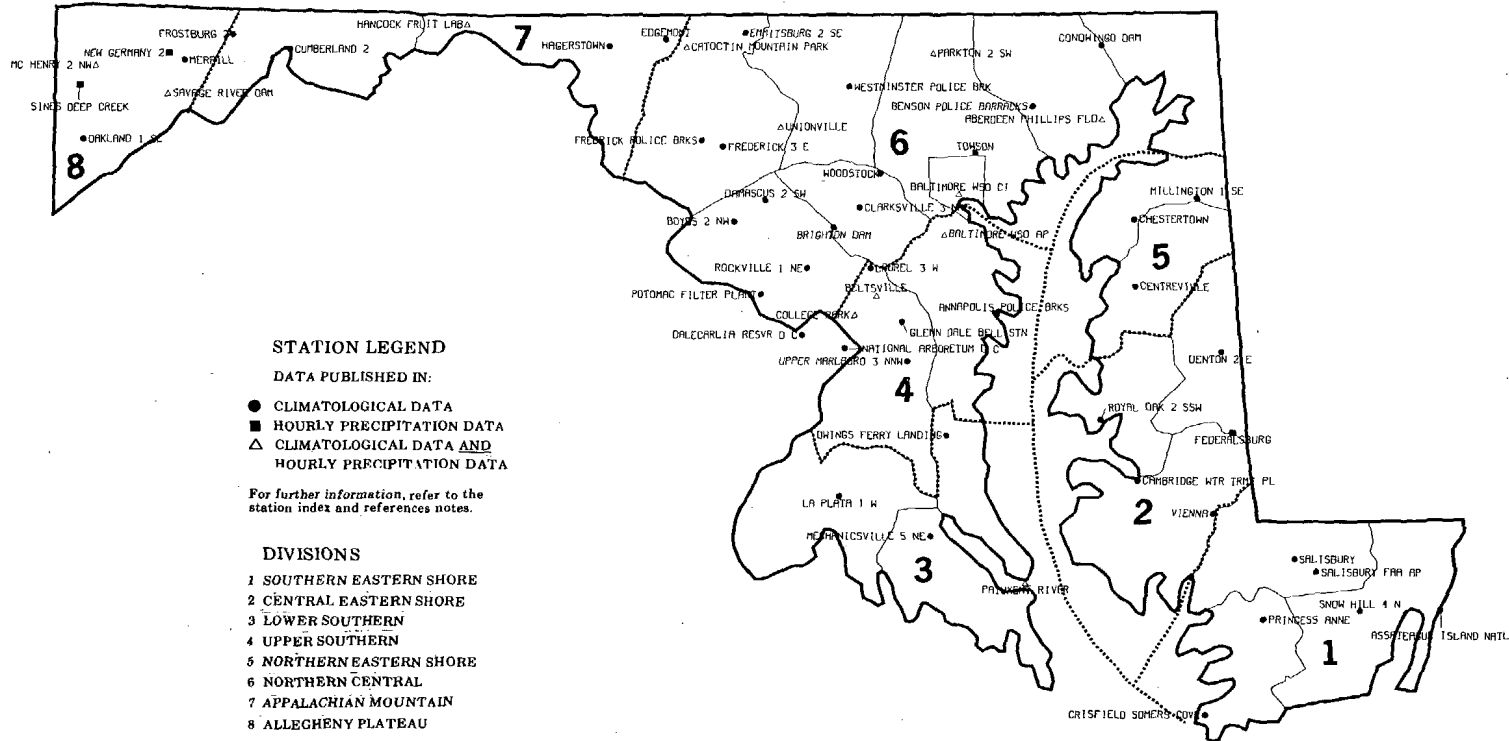
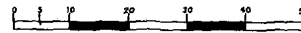


CIRCLE DIAMETER IS PROPORTIONAL TO DEPARTURE ON A CONTINUOUS SCALE

18 - MARYLAND & D.C.

ALBERS EQUAL AREA PROJECTION
STANDARD PARALLELS AT 39.3 AND 45.3 DEGS.

STATUTE MILES



76.0
40.0

75.0

40.0

07 - DELAWARE

ALBERS EQUAL AREA PROJECTION
STANDARD PARALLELS AT 39.5 AND 45.5 DEGS.

STATUTE MILES



STATION LEGEND

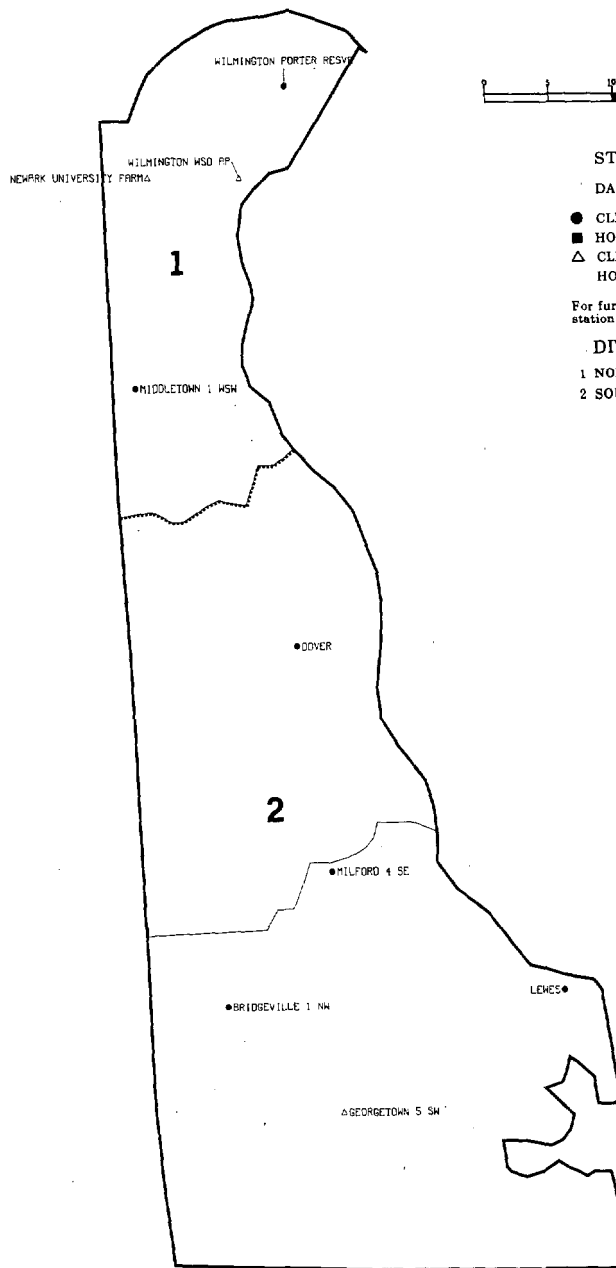
DATA PUBLISHED IN:

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

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

DIVISIONS

- 1 NORTHERN
- 2 SOUTHERN



39.0

39.0

38.0
76.0

75.0

38.0

CD

VALIDATED. BY:

Charles Aiken
Ted Burlew
Charles Chillag
Betty Edstrom
Bruce Emory
Joyce Morgan

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