

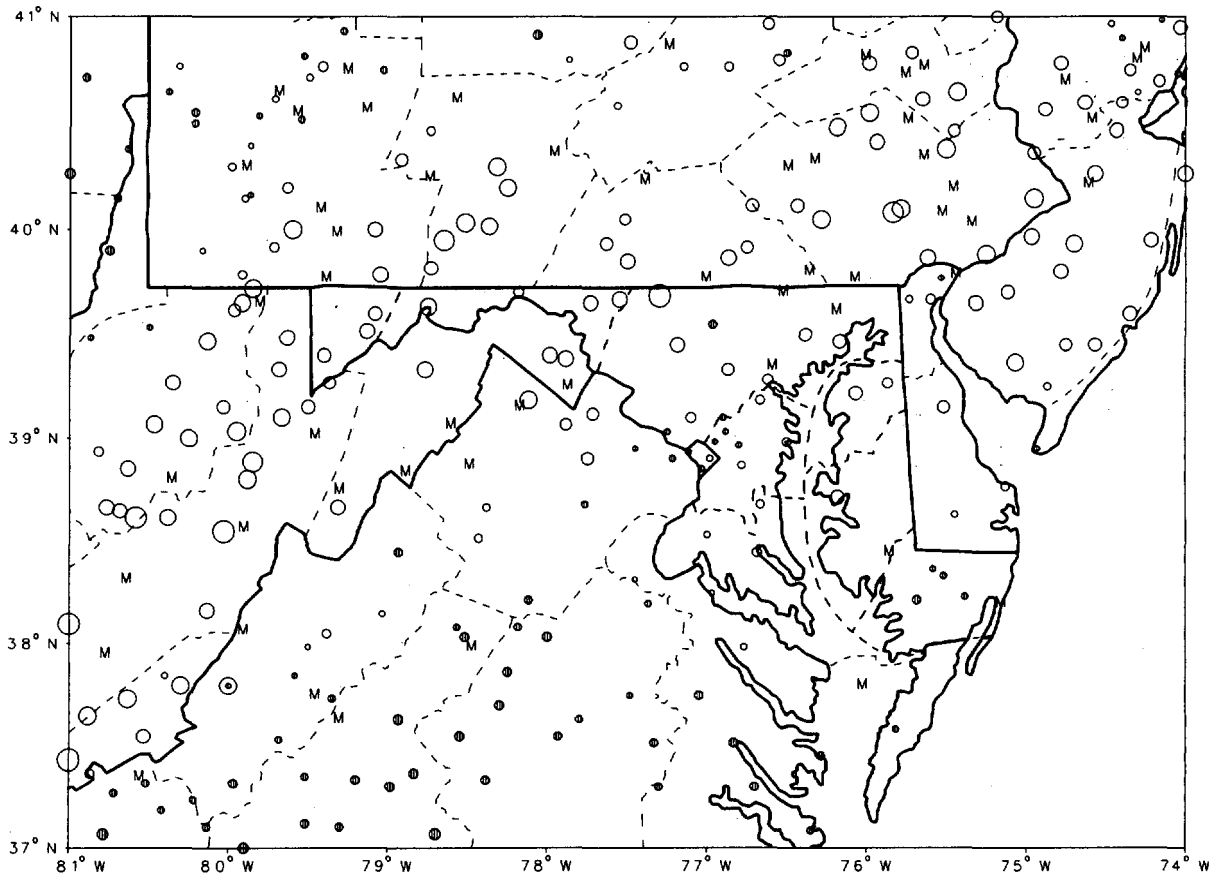


CLIMATOLOGICAL DATA MARYLAND AND DELAWARE

JANUARY 1993 VOLUME 97 NUMBER 1

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

- M INCOMPLETE DATA FOR THE MONTH
- ∇ EXACTLY NORMAL
- 5,10,20... 50% OR MORE BELOW NORMAL
- 10,20,40... 100% OR MORE ABOVE NORMAL



CIRCLE DIAMETER IS PROPORTIONAL TO DEPARTURE ON A CONTINUOUS SCALE

"I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (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

noaa

NATIONAL
OCEANIC AND
ATMOSPHERIC ADMINISTRATION

NATIONAL
ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE NORTH CAROLINA

TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND AND
DELAWARE
JANUARY 1993

MARYLAND
HIGHEST TEMPERATURE 72
LOWEST TEMPERATURE 4
GREATEST TOTAL PRECIPITATION 4.75
LEAST TOTAL PRECIPITATION 1.50
GREATEST 1 DAY PRECIPITATION 2.10
GREATEST TOTAL SNOWFALL 8.0
GREATEST DEPTH OF SNOW OR ICE 3

JANUARY 1
JANUARY 26

JANUARY 5
JANUARY 12+

BELTSVILLE
OAKLAND 1 SE
PRINCESS ANNE
EMMITSBURG 2 SE
PRINCESS ANNE
FROSTBURG 2
2 STATIONS

DELAWARE
HIGHEST TEMPERATURE 67
LOWEST TEMPERATURE 17
GREATEST TOTAL PRECIPITATION 3.66
LEAST TOTAL PRECIPITATION 2.64
GREATEST 1 DAY PRECIPITATION 1.63
GREATEST TOTAL SNOWFALL 2.0
GREATEST DEPTH OF SNOW OR ICE 2

JANUARY 4
JANUARY 20

JANUARY 5
JANUARY 10

LEWES
2 STATIONS
GREENWOOD 2 NE
WILMINGTON WSO ARPT
WILMINGTON PORTER RSVR
WILMINGTON PORTER RSVR
WILMINGTON PORTER RSVR

R

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
JANUARY 1993

STATION	TEMPERATURE (°F)													PRECIPITATION (IN)											
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	SNOW SLEET			NO. OF DAYS			
											90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW					TOTAL	MAX. DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE	
MARYLAND																									
SOUTHERN EASTERN SHORE 01																									
ASSATEAGUE IS NATL SEA	M 49.6	M 32.1	M 40.9	M 5.9	66	5+	16	20	741	0	0	0	17	0	4.75	1.34	2.10	5	M .0	M 0		6	4	1	
PRINCESS ANNE	49.3	34.3	41.8	5.9	67	4	17	20	713	0	0	0	15	0	4.04	.28	1.30	5	T 0	T 0		7	3	1	
SALISBURY	47.8	31.2	39.5	5.1	67	5+	17	30+	783	0	0	0	18	0	4.30	.66	1.58	5	T 0	T 0		7	3	1	
SALISBURY FAA ARPT	49.0	33.5	41.3	6.1	67	4	17	20	730	0	0	0	14	0	4.39	.59	1.73	5	T .8	T T		6	3	1	
SNOW HILL 4 N																									
--DIVISIONAL DATA----->			40.9	5.6											4.37	.73			.4						
CENTRAL EASTERN SHORE 02																									
ROYAL OAK 2 SSW	M 46.6	M 34.0	M 40.3	M 6.2	63	5	22	20	759	0	0	0	12	0	2.69	-.88	.80	9	T M	T M		6	2	0	
VIENNA																									
--DIVISIONAL DATA----->			40.3	6.1											2.69	-.89			.0						
LOWER SOUTHERN 03																									
LA PLATA 1 W	47.6	31.6	39.6	5.8	67	4	18	20	779	0	0	0	16	0	2.98	-.11	.83	9	.3	T	T		5	3	0
MECHANICSVILLE 5 NE	46.7	31.1	38.9	5.6	67	4	16	20	801	0	0	0	16	0	3.04	-.42	.92	9	T	T		6	3	0	
OWINGS FERRY LANDING	46.2	30.6	38.4	4.9	65	4	16	20	817	0	0	1	18	0	2.85	-.28	.75	9	T	T		7	3	0	
--DIVISIONAL DATA----->			39.0	5.0											2.96	-.32			.1						
UPPER SOUTHERN 04																									
ANNAPOLIS POLICE BRKS	47.5	31.8	39.7	6.1	67	1	20	20	779	0	0	0	17	0	2.90	-.35	.95	5	T	T		7	2	0	
BALTIMORE WSO ARPT	R 45.7	30.0	37.9	6.1	66	4	19	30	834	0	0	1	21	0	2.73	-.32	.83	5	1.4	T	T		8	3	1
BELTSVILLE	45.8	29.0	37.4	6.9	72	1	17	20	849	0	0	1	22	0	3.00	-.13	1.07	5	T	T		7	3	1	
COLLEGE PARK	46.5	30.8	38.7	6.2	71	1	18	20	810	0	0	1	18	0	3.13	-.10	1.18	5	T	T		7	3	1	
DALECARLIA RESERVOIR	48.1				69	1									3.14	-.17	1.01	5	T	T		7	3	1	
GLENN DALE BELL STN	46.2	24.8	35.5	3.0	64	5+	10	21	906	0	0	2	27	0	3.24	-.23	1.36	5	M 1.0	T 0	10+	7	3	1	
LAUREL 3 W	46.0	27.1	36.6	4.6	65	1	15	30	875	0	0	1	24	0	3.19	-.31	1.30	5	T 0	T 0		7	3	1	
NATIONAL ARBORETUM DC	46.0	30.2	38.1	5.9	71	1	19	21+	827	0	0	1	20	0	3.02	-.12	1.24	5	T .3	T 0		6	3	1	
UPPER MARLBORO 3 NNW	45.8	29.0	37.4	6.2	71	1	16	20	847	0	0	1	22	0	2.95	-.20	1.06	5	T 3.0	T 2	9	7	2	1	
--DIVISIONAL DATA----->			37.7	5.3											3.03	-.02			.8						
NORTHERN EASTERN SHORE 05																									
CHESTERTOWN	45.3	29.5	37.4	5.3	64	5+	20	20	850	0	0	1	20	0	2.37	-.81	.93	5	1.3	T 0		6	1	0	
MILLINGTON 1 SE	46.4	30.5	38.5	7.3	65	5+	17	20	818	0	0	1	20	0	2.71	-.49	1.02	5	T 1.3	T 0		7	1	1	
--DIVISIONAL DATA----->			38.0	5.8											2.54	-.73			1.3						
NORTHERN CENTRAL 06																									
ABERDEEN PHILLIPS FIEL	M 47.1	M 33.4	M 40.3	M 5.4	64	5	21	20	762	0	0	0	8	0	2.26	-.78	1.03	5	M .0	T M		5	1	1	
BALTIMORE CITY	R 47.3	30.6	39.0	8.2	66	31+	25	30+	762	0	0	1	16	0	2.64	-.50	.93	5	T 2.0	M M		5	1	0	
BENSON POLICE BARRACKS	47.3	30.6	39.0	6.5	65	5+	20	30	801	0	0	1	18	0	2.60	-.78	.84	5	M 2.0	M 2	9	5	2	0	
CATOCTIN MOUNTAIN PARK	40.6	25.3	33.0	6.1	61	4	11	19	988	0	0	3	27	0	2.11	.42	.42	2	M 2.0	M 3	9	8	0	0	
CLARKSVILLE 3 NNE	46.2	28.0	37.1	6.5	65	1	12	20	857	0	0	1	22	0	2.50	.91	.91	5	M 2.0	M 1	11+	6	1	0	
CONOWINGO DAM																									
EMMITSBURG 2 SE	M 43.6	M 27.6	M 35.6	M 6.5	65	1	15	20	903	0	0	2	24	0	1.50	-1.61	.60	5	M 3.0	M 2	11+	8	1	0	
FREDERICK POLICE BRKS	45.8				67	1	24	30	801	0	0	2	27	0	2.00	.50	.50	5	T 2.0	T 2	9	7	1	0	
MILLERS 4 NE	42.5	28.1	35.3	6.3	63	4	17	27	912	0	0	2	22	0	2.07	.66	.66	5	T 2.9	T 1	11+	6	1	1	
ROCKVILLE 1 NE	44.2	30.1	37.2	6.5	64	3	19	20	857	0	0	1	19	0	2.44	-.41	1.03	5	T 1.1	T 1	11+	6	1	1	
TOWSON																									
UNIONVILLE	M 44.4	M 27.0	M 35.7	M 8.5	64	4	13	20	901	0	0	2	22	0	1.96	-.76	.51	5	M 1.5	M 1	11+	7	1	0	
WESTMINSTER POL BRKS	44.7	28.8	36.8	7.3	65	1	19	2	867	0	0	2	24	0	3.93	1.03	1.30	5	T 3.0	T 2	10+	9	2	1	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
JANUARY 1993

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
WOODSTOCK	45.1	28.8	37.0	6.2	65	4	15	20	864	0	0	22	1	0	2.55	-.67	.92	5	2.0	110+	6	1	0	
--DIVISIONAL DATA-->			36.7	5.9										2.38	-.70			2.3						
APPALACHIAN MOUNTAIN 07																								
CUMBERLAND 2	44.1	26.8	35.5	5.2	66	4	14	20	909	0	0	12	2	0	1.57	-.81	.62	2	1.0	111	5	1	0	
FROSTBURG 2	44.3	27.5	29.9	6.1	61	5	12	20	1082	0	0	14	2	0	2.10	-.76	.62	2	8.0	312+	7	1	0	
HAGERSTOWN	42.0	27.5	34.8	6.1	67	5+	17	20	932	0	0	12	2	0	1.90	-.73	.50	2	3.0	111+	4	1	0	
HANCOCK	43.3	26.5	34.9	6.6	68	1	11	20	926	0	0	12	5	0	2.06	-.36	.66	2	.0	T	7	1	0	
--DIVISIONAL DATA-->			33.8	4.8										1.91	-.70			4.0						
ALLEGHENY PLATEAU 08																								
MC HENRY 2 NW	37.4	22.7	30.1	6.2	62	5	10	19	1074	0	0	12	2	0	2.63	-.57	.72	2	7.0	230+	9	1	0	
OAKLAND 1 SE	41.1	24.3	32.7	7.1	64	4	4	26	994	0	0	9	2	0	2.41	-.78	.63	1	5.3	M	7	1	0	
SAVAGE RIVER DAM	39.1	25.2	32.2	6.7	60	5+	11	27	1010	0	0	6	2	0	1.67	-.73	.80	2	.0	119+	3	1	0	
--DIVISIONAL DATA-->			31.7	6.9										2.24	-.94			6.2						
DELAWARE																								
NORTHERN 01																								
NEWARK UNIVERSITY FARM	45.7	29.6	37.7	6.4	64	5+	18	30	839	0	0	12	0	0	2.83	-.15	1.30	5	1.0	111+	9	1	1	
WILMINGTON WSO ARPT	45.1	30.0	37.6	7.0	66	4	20	30	843	0	0	11	9	0	2.64	-.39	1.32	5	1.4	111+	8	1	1	
WILMINGTON PORTER RSVR	43.3	30.5	36.9	6.8	63	5+	22	30	864	0	0	11	9	0	3.50	-.03	1.63	5	2.0	210	9	1	1	
--DIVISIONAL DATA-->			37.4	6.6										2.99	-.19			1.5						
SOUTHERN 02																								
DOVER	46.6	32.3	39.5	5.7	66	1	21	21	788	0	0	11	6	0	2.69	-.69	.72	5	.6	T	8	2	0	
GEORGETOWN 5 SW	48.0	31.5	39.8	7.1	66	5	17	20	774	0	0	0	14	0	3.53	-.14	.73	5	.0	T	10	3	0	
GREENWOOD 2 NE	45.4	30.5	38.0	6.4	64	5+	17	20	832	0	0	11	9	0	3.66	-.41	1.41	5	.0	T	7	3	0	
LEWES	48.1	34.7	41.4	6.9	67	4	23	30	723	0	0	0	11	0	3.98	-.38	.98	5	.0	T	6	3	0	
--DIVISIONAL DATA-->			39.7	6.0										3.32	-.32			.3						

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
JANUARY 1993

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	M																																				
PRINCESS ANNE	4.75					2.10			.69	.78	.05	.04	.29	.11		.04								.57			.08										
SALISBURY	4.04					1.30	T		.72	.78	.12	.07	.32	.02									.41	.03		.07								.00			
SALISBURY FAA ARPT	4.30					1.58		.01	.95	.74	.08	.16	.08	.05			.04	.16	T		T		.15	.28		.06								.00			
SNOW HILL 4 N	4.39					1.73			.78	.80	.06	.06	.27	.06			T	.11		T			.46	.05		.01								.00			
CENTRAL EASTERN SHORE 02																																					
ROYAL OAK 2 SSW	2.69			T		.39			.63	.80	.04	.03	.18	.16			T						.03	.36	.02	.01	.04										
VIENNA	M																																				
LOWER SOUTHERN 03																																					
LA PLATA 1 W	2.98			T		.71			.71	.83	.04	.03	.20	.08										.08	.30												
MECHANICSVILLE 5 NE	3.04			T		.62			.73	.92	.02	.05	.21	.13	T	T	T						T	.35		.01											
OWINGS FERRY LANDING	2.85					.57			.63	.75	.09		.21	.14	T								.05	.30		T	.11										
UPPER SOUTHERN 04																																					
ANNAPOLIS POLICE BRKS	2.90				.02	.95		.10	.49	.54		.06	.12	.22									.04	.31	.02	.03											
BALTIMORE WSO ARPT	2.73			.02		.83			.51	.37	.07	.12	.14	.17			T						.34	.12		.04							T				
BELTSVILLE	3.00				.02	1.07	T		.33	.57	.05	.12	.15	.17										.52									T				
COLLEGE PARK	3.13					1.18			.41	.32	.25	.05	.16	.16			T							.58									T				
DALECARLIA RESERVOIR	3.14				.01	1.01			.71	.49		.04	.20	.12	.02								.02	.48	.02	.02	.02							T			
GLENN DALE BELL STN	3.24			.01	.01	1.36			.46	.52	.02	.01	.17	.20									T	.37	.01		.10						T				
LAUREL 3 W	3.19			.02		1.30			.56	.21	.01	.07	.15	.22									.27	.35		.03	.10										
NATIONAL ARBORETUM DC	3.02					1.24			.35	.60		.15	.20	.20			.02							.43	.03		T										
UPPER MARLBORO 3 NNW	2.95					1.06			.39	.62	.14		.14	.20										.34	.02		.04										
NORTHERN EASTERN SHORE 05																																					
CHESTERTOWN	2.37			T		.93			.47	.26	.02	.08	.08	.12									.15	.18		.08											
MILLINGTON 1 SE	2.71				T	1.02			.41	.45	T	.06	.17	.13										.37			.10										
NORTHERN CENTRAL 06																																					
ABERDEEN PHILLIPS FIEL	2.26				T	1.03			.25	*	*	.19	.21	.18									T	.35		*	.05										
BALTIMORE CITY	2.64					.93			.45	.20	.07	.13	.16	.20									.23	.17		.10											
BENSON POLICE BARRACKS	2.60			.01	.05	.84		.05	.12	.27		.05	.11	.26			.05						.02	.56		.05	.09										
CATOCTIN MOUNTAIN PARK	2.11					.35			.12	.30		.07	.22	.21									.42	.27		.14											
CLARKSVILLE 3 NNE	2.50			T	T	.91			.28	.17	T	.04	.35	.20			T						.05	.42		.05	.03										
CONOWINGO DAM	M																																				
EMMITSBURG 2 SE	1.50			T		.60			.10	.20	T	.10	.10	.10									.10	T		.20											
FREDERICK POLICE BRKS	2.00					.50			.14	.25		.03	.25	.18									.14	.45	.06												
MILLERS 4 NE	2.07			T	T	.66			.15	.23	.01	.07	.30	.21	T	T							.07	.31		.06	T										
POTOMAC FILTER PLANT	2.75			.01		.93			.42	.46	.13	.12	.12	.11										.25	.18		.02										
ROCKVILLE 1 NE	2.44			.01		1.03			.43	.24	.05	.02	.17	T										.35	.12	T	.02										
TOWSON	M																																				
UNIONVILLE	1.96					.51			.17	.30	T	.04	.29	.21									.15	.26		.03	T										
WESTMINSTER POL BRKS	3.93				T	1.30			.20	.20	.20	.12	.42	.22									.74	.40		.05	.08										.00
WOODSTOCK 07																																					
APPALACHIAN MOUNTAIN	2.55			T	T	.92			.26	.28	T	.02	.25	.32									.09	.41													
CUMBERLAND 2	1.57					.20			.05	.04		.15	.18	.27										.62	.02		.02										
EDGEMONT	2.03			T		.47			.06	.17	.01	.03	.23	.17	.05												.13								T		
FROSTBURG 2	2.10	.10	T			.16			.01	.08	.04	.19	.19	.21	.08									.76	.06									T	.05	T	
HAGERSTOWN	1.90			T	T	.39		.01	.06	.06	.09	.08	.14	.46	.07									.50			.05										.00
HANCOCK																																					
HANCOCK	2.06					.29			.04	.10	T	.10	.31	.30	.11									.66	*	*	.15										

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
JANUARY 1993

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	2.63	.27	T	T	T	.32	T		.02	.05	T	.07	.13	.20	.16	.04		T	T	.02			.57	.17	T	.41									
MERRILL	1.97	.15			.03	.18	T		.02			.18	.20	.18	.08								.73	.09		.10				.02	.18	T			
OAKLAND 1 SE	2.41	.20		.04	.03	.25				T	T	.07	.17	.45	T								.63	.07	.07	.19	.06					.11	.03		
SAVAGE RIVER DAM	1.67	.03		T	.01	.18	T		.01	.03	.03	.09	.05	.32	.01	T			T	T				.80	.03		.05			T	T	.02		.00	
DELAWARE																																			
NORTHERN 01																																			
NEWARK UNIVERSITY FARM	2.83			.10		1.30			.16	.12		.11	.28	.19									.39				.18								
WILMINGTON HSO ARPT R	2.64			.02		1.32			.17	.17	.03	.08	.15	.16									.14	.27	T	.13						T		.00	
WILMINGTON PORTER RSVR	3.50			.02		1.63			.15	.17	.20	.07	.30	.18									.15	.48		.15						T		.00	
SOUTHERN 02																																			
DOVER	2.69					.72			.44	.55	.20	.06	.16	.12										.31			.13							.00	
GEORGETOWN 5 SW	3.53					.73	.16		.56	.45	.65	.13	.19	.10									.41	.03		.10								.00	
GREENWOOD 2 NE	3.66					1.41			.63	.70	.08		.15	.11									.43			.15								.00	
LEWES	3.38					.98			.72	.78	.04	.08	.21	.12									.34	.02		.04								.00	

SEE REFERENCE NOTES FOLLOWING STATION INDEX
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DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
JANUARY 1993

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																																			M
PRINCESS ANNE	17	MAX/MIN	60/40	42/23	46/23	66/32	66/55	61/36	49/40	48/40	48/34	38/30	47/30	51/39	51/43	48/35	45/33	44/31	45/30	46/29	39/26	41/16	46/19	55/39	50/34	64/30	61/30	40/25	45/29	46/24	50/42	48/19	52/38	49.6			
SALISBURY	17	MAX/MIN	61/41	42/25	46/26	67/37	66/57	58/39	49/42	47/42	44/36	37/32	47/32	50/40	50/38	45/38	47/39	43/29	46/31	44/32	38/30	43/17	47/23	55/42	49/35	65/32	62/27	40/31	45/29	47/29	50/40	45/22	52/41	49.3			
SALISBURY FAA ARPT	MID	MAX/MIN	57/29	39/23	46/23	67/34	67/44	52/38	47/42	44/40	42/33	39/32	48/35	50/43	43/36	39/35	42/31	46/30	43/27	38/21	43/17	49/19	54/39	49/31	65/31	45/29	39/31	45/28	51/27	45/17	52/33	45/33	52/31	47.8			
SNOW HILL 4 N	17	MAX/MIN	59/42	42/23	47/22	67/34	66/54	60/37	48/43	44/42	43/39	40/34	47/34	51/43	48/35	45/35	42/32	46/31	42/31	38/27	43/17	47/20	53/43	50/36	62/32	58/30	39/25	47/31	45/25	52/40	45/18	53/37	49.0				
CENTRAL EASTERN SHORE	02																																				
ROYAL OAK 2 SSW	18	MAX/MIN	60/40	42/28	41/25	62/40	63/54	54/36	47/39	46/40	42/33	33/29	35/29	47/34	46/43	45/40	42/35	40/32	46/33	44/33	37/28	41/22	40/24	51/37	48/39	60/34	56/33	39/27	45/29	43/32	49/37	47/28	53/40	46.6			
VIENNA	18	MAX/MIN																																		M	
LOWER SOUTHERN	03																																				
LA PLATA 1 W	18	MAX/MIN	64/37	40/24	43/29	67/41	63/54	54/36	48/38	47/41	42/31	33/30	35/28	42/34	46/41	47/31	45/34	40/33	50/28	45/32	37/24	44/18	38/23	49/35	50/33	64/33	53/28	38/24	46/23	48/23	50/37	50/20	57/37	47.6			
MECHANICSVILLE 5 NE	19	MAX/MIN	57/38	39/22	42/27	67/40	65/51	51/35	47/38	44/41	41/33	33/28	35/29	44/34	47/42	44/33	42/34	39/30	49/28	44/29	37/27	43/16	36/20	50/34	49/36	64/32	56/27	35/23	45/23	47/23	51/35	49/19	55/37	46.7			
OWINGS FERRY LANDING	17	MAX/MIN	63/38	38/23	41/26	65/40	64/53	53/35	46/37	43/40	43/31	33/27	33/28	43/32	45/41	44/35	41/33	38/29	48/26	45/28	36/26	42/16	38/20	49/33	49/34	63/31	55/23	37/22	44/22	44/26	48/33	48/18	55/35	46.2			
UPPER SOUTHERN	04																																				
ANNAPOLIS POLICE BRKS	17	MAX/MIN	67/40	41/26	40/26	58/36	66/48	53/37	46/37	55/40	43/33	33/27	34/28	43/31	46/39	46/38	42/34	40/30	47/29	46/31	38/27	45/20	41/22	50/35	51/36	58/35	54/30	39/26	46/26	44/35	49/28	50/28	60/31	47.5			
BALTIMORE WSO ARPT	MID	MAX/MIN	62/30	40/25	41/26	66/38	65/41	49/36	47/38	43/39	39/30	30/28	34/29	42/34	47/41	43/38	42/32	39/34	48/29	41/29	39/23	45/20	42/21	51/37	49/32	59/28	41/30	35/25	45/21	40/24	45/22	47/19	62/30	45.7			
BELTSVILLE	08	MAX/MIN	72/44	45/23	43/26	65/32	65/46	63/34	49/36	47/37	42/32	34/28	30/27	36/29	46/36	48/37	43/34	42/30	39/28	49/29	37/24	37/17	44/19	45/23	49/35	58/27	40/22	37/20	45/22	47/25	44/25	49/26	45.8				
COLLEGE PARK	09	MAX/MIN	71/43	44/24	40/29	67/34	67/39	64/36	50/37	48/40	43/34	30/28	30/28	37/29	45/36	48/39	45/35	44/35	39/29	48/32	41/25	38/18	46/21	44/29	48/39	50/31	48/23	37/21	46/25	48/28	43/24	50/35	46.5				
DALECARLIA RESERVOIR	17	MAX/MIN	69/18	41/18	42/18	65/18	65/27	52/27	49/37	48/40	44/37	35/27	37/27	43/27	45/36	47/31	43/29	41/29	49/28	49/28	38/25	45/18	41/21	47/29	50/39	59/31	55/23	38/21	45/21	43/21	49/21	52/21	64/21	48.1			
GLENN DALE BELL STN	16	MAX/MIN	60/31	44/16	40/20	64/34	64/44	57/30	48/29	44/34	39/28	30/24	30/23	40/27	44/36	44/31	40/29	40/24	44/21	47/24	38/18	42/23	43/10	49/30	48/30	53/26	57/23	38/14	44/12	45/20	48/24	48/14	60/21	46.2			
LAUREL 3 W	MID	MAX/MIN	65/27	41/26	42/21	63/35	64/36	51/31	47/33	44/34	40/25	32/22	34/23	44/26	46/36	44/31	43/28	38/29	47/25	45/25	39/24	45/20	40/20	49/33	48/32	57/30	43/24	36/22	42/22	40/29	47/22	48/15	62/34	46.0			
NATIONAL ARBORETUM DC	07	MAX/MIN	71/46	46/24	41/25	66/35	66/45	64/36	50/36	42/36	40/30	35/31	31/29	36/29	43/35	48/39	44/35	45/33	40/31	50/31	38/21	38/19	45/19	44/23	49/37	51/32	59/32	41/23	36/20	46/20	49/27	40/25	52/31	46.0			
UPPER MARLBORO 3 NNW	08	MAX/MIN	71/45	45/22	40/25	67/32	67/45	64/35	50/35	46/35	42/32	33/29	29/27	34/29	42/34	46/36	43/33	41/29	38/28	49/28	38/25	38/16	45/18	48/22	48/35	49/32	63/31	41/22	34/21	45/24	50/28	45/20	51/25	45.8			

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
JANUARY 1993

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		
NORTHERN EASTERN SHORE	05																																		
CHESTERTOWN	23	MAX MIN	54 26	39 22	42 23	64 38	64 40	48 34	48 34	40 37	37 27	28 24	33 26	43 33	48 38	42 36	42 30	39 30	45 28	42 28	38 24	45 20	42 22	52 39	49 33	59 32	44 29	40 24	45 25	40 27	47 27	47 23	58 35	45.3 29.5	
MILLINGTON 1 SE	18	MAX OBS MIN OBS	64 37	39 23	41 22	65 41	65 53	53 46	46 38	46 38	41 30	30 26	33 26	43 32	47 42	44 37	42 34	39 29	44 28	42 30	42 24	45 17	41 19	51 37	49 39	58 30	57 31	37 22	44 24	40 23	47 29	47 20	56 30	46.4 30.5	
NORTHERN CENTRAL	06																																		
ABERDEEN PHILLIPS FIEL	16	MAX MIN				61 44	64 56	56 35	46 35	45 40		33 29	42	47 41	45 39	39 35	39 34				37 25	46 21	43 23	49 43			40 32	39 26	43 26	42 25	41 36			M M	
BALTIMORE CITY	MID	MAX MIN	62 30	40 26	40 32	66 40	65 40	50 38	46 40	45 38	45 28	29 25	34 27	42 34	49 42	46 38	43 37	40 36	50 34	41 32	40 28	50 29	42 30	54 42	53 41	60 60	43 36	46 27	40 28	46 31	50 28	66 38	47.1 33.4		
BENSON POLICE BARRACKS	17	MAX MIN	65 35	40 24	39 26	61 36	65 51	54 34	48 35	46 39	43 31	43 26	32 26	41 32	46 39	46 36	43 34	40 30	45 28	45 33	41 23	49 22	45 22	53 35	50 38	55 31	53 31	40 23	45 23	41 24	44 27	48 20	60 34	47.3 30.6	
CATOCTIN MOUNTAIN PARK	17	MAX OBS MIN OBS	59 29	32 19	35 21	61 23	57 40	41 30	42 34	41 33	34 25	27 21	33 22	34 26	42 30	43 29	34 28	34 27	40 26	40 16	38 11	41 19	35 25	42 28	47 31	47 34	45 28	30 17	35 18	35 21	48 22	41 19	51 31	40.6 25.3	
CLARKSVILLE 3 NNE	17	MAX MIN	65 36	39 23	40 22	64 38	62 47	50 31	47 34	45 38	42 30	31 26	33 26	41 32	45 39	47 37	41 31	40 28	48 28	48 29	38 20	46 12	40 20	50 32	48 35	57 23	54 28	38 17	43 14	40 17	44 22	44 19	63 34	46.2 28.0	
CONOWINGO DAM	MID	MAX MIN																																	M M
EMMITSBURG 2 SE	17	MAX MIN	65 32	35 23	38 24	64 34	64 44	44 30	44 34	41 35	38 29	31 26	31 24	34 29	45 33	45 36	45 32	37 28	45 26	44 28	37 20	44 15	33 19	48 32	48 32	50 26	49 29	34 18	42 17	38 19	38 23	45 22	56 38	43.6 27.6	
FREDERICK POLICE BRKS	17	MAX MIN OBS	67 38	39 26	40 29	65 38	64 52	53 34	48 38	46 40	42 29	32 27	31 26	35 26	43 35	49 35	42 27	42 26	47 35	36 26	42 36	42 26	46 36	54 42	54 42	53 35	50 50	43 43	43 45	45 58	58 33	45.8 M			
MILLERS 4 NE	18	MAX MIN	62 30	36 22	37 24	63 35	60 42	43 31	44 33	40 37	37 28	28 23	32 23	38 30	43 36	41 33	39 31	35 28	42 36	26 27	42 38	35 26	44 19	35 32	48 33	45 37	55 32	51 29	33 21	41 17	36 22	38 25	43 20	53 34	42.5 28.1
ROCKVILLE 1 NE	MID	MAX MIN	59 29	37 24	42 30	62 41	62 38	47 35	47 38	44 36	36 28	30 27	33 27	41 31	45 41	41 35	42 31	38 33	47 29	38 29	36 21	42 19	42 20	47 35	47 37	55 34	39 26	43 24	43 21	39 27	41 25	64 38	44.2 30.1		
TOWSON	18	MAX MIN																																M M	
UNIONVILLE	17	MAX MIN	63 33	38 18	41 22	64 34	60 43	46 29	48 35	45 38	38 30	30 26	31 25	35 30	45 33	44 35	42 32	37 28	47 27	44 26	38 19	43 13	36 17	48 33	47 34	55 26	51 28	35 17	42 15	40 18	39 23	46 20	57 31	44.4 27.0	
WESTMINSTER POL BRKS	17	MAX MIN	65 31	35 19	39 25	64 33	61 46	50 33	46 35	48 37	39 28	31 23	32 24	38 30	44 36	43 34	40 32	39 31	44 29	44 27	44 21	44 20	38 25	47 32	48 32	54 30	55 29	34 21	40 25	40 23	43 31	42 21	55 30	44.7 28.8	
WOODSTOCK	18	MAX MIN	64 33	39 23	40 24	65 37	61 44	49 32	47 35	43 38	40 30	31 25	32 26	40 30	45 37	43 35	40 32	38 30	46 29	44 28	38 22	45 15	36 18	50 33	48 35	55 31	53 29	35 21	43 18	39 22	41 27	47 20	61 34	45.1 28.8	
APPALACHIAN MOUNTAIN	07																																		
CUMBERLAND 2	18	MAX MIN OBS	61 24	39 24	39 31	66 31	61 37	44 37	48 37	42 31	38 27	29 27	35 29	35 33	50 34	41 33	39 31	35 31	47 27	42 20	38 14	43 14	37 21	39 33	52 28	48 26	39 17	36 17	42 20	53 24	53 24	44 19	53 30	44.1 26.8	
FROSTBURG 2	07	MAX MIN	56 32	32 19	34 18	62 26	61 40	53 34	38 31	41 31	36 26	26 21	25 21	31 25	45 28	27 25	28 28	30 26	29 25	36 21	26 16	28 13	37 13	31 26	35 31	44 29	51 20	27 13	28 12	23 23	49 21	28 17	33 18	36.3 23.5	
HAGERSTOWN	08	MAX MIN	67 37	39 21	37 28	40 33	67 35	59 35	44 36	46 36	40 29	31 26	30 25	33 25	38 31	47 35	38 32	40 30	36 28	45 27	33 20	36 17	42 18	35 25	43 32	49 30	52 28	38 20	34 18	40 18	40 23	37 22	47 31	42.0 27.5	
HANCOCK	08	MAX OBS MIN OBS	68 37	39 19	40 18	41 29	62 30	61 59	46 36	48 36	42 31	33 28	31 28	34 29	38 34	50 35	39 32	41 29	38 28	49 27	35 17	38 11	49 12	35 20	38 31	46 25	47 29	39 14	38 18	43 16	46 20	39 31	47 32	43.3 26.5	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
JANUARY 1993

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	52	26	34	49	62	49	34	45	36	27	34	41	50	51	26	28	31	35	25	30	40	40	34	43	46	28	29	32	46	25	31	37.4	
		MIN	25	18	18	28	42	31	31	32	26	21	22	32	35	23	23	23	23	18	10	11	20	30	27	28	17	11	12	20	22	12	14	22.7	
OAKLAND 1 SE	17	MAX	54	39	44	64	61	37	48	45	35	32	44	42	56	35	31	30	35	30	29	42	40	36	50	49	32	30	32	49	48	30	45	41.1	
		MIN	25	19	30	31	35	33	33	33	25	23	30	33	35	24	25	26	25	19	12	6	20	33	28	25	19	4	18	23	19	15	28	24.3	
SAVAGE RIVER DAM	08	MAX	60	34	34	35	60	55	42	45	40	31	30	34	34	47	33	35	34	40	31	30	35	33	38	45	53	31	32	37	53	33	38	39.1	
		MIN	32	22	22	30	31	37	36	35	29	25	25	28	31	29	29	29	29	24	16	11	11	26	31	31	23	12	11	22	24	20	21	25.2	
DELAWARE																																			
NORTHERN																																			
NEWARK UNIVERSITY FARM	17	MAX	61	38	39	64	64	53	46	48	42	30	33	42	47	46	41	40	43	43	37	45	41	50	48	58	56	37	41	40	41	46	58	45.7	
		MIN	36	22	24	37	52	33	34	38	29	24	26	31	41	34	33	28	28	29	22	20	20	37	37	27	31	23	24	25	25	18	30	29.6	
WILMINGTON WSO ARPT	MID	MAX	59	38	41	66	64	48	46	43	40	29	34	43	47	42	41	41	43	39	38	46	45	51	48	58	42	36	43	41	42	46	58	45.1	
		MIN	29	22	28	40	40	35	36	40	29	26	28	34	38	36	31	29	29	28	22	22	22	40	36	34	25	23	24	27	23	20	35	30.0	
WILMINGTON PORTER RSVR	MID	MAX	57	37	40	63	63	45	44	42	39	28	33	42	46	40	40	39	42	40	37	43	42	49	45	56	42	35	41	36	40	42	55	43.3	
		MIN	30	24	29	40	40	35	36	38	27	24	26	33	38	35	32	31	30	28	23	26	27	39	35	34	28	24	27	28	23	22	34	30.5	
SOUTHERN																																			
DOVER	17	MAX	66	42	42	64	64	60	46	44	43	30	34	44	48	48	40	40	42	42	42	43	43	51	46	62	60	39	42	42	43	42	52	46.6	
		MIN	42	24	24	40	45	36	36	38	30	26	26	32	42	38	38	34	30	32	26	21	21	40	42	32	34	24	22	27	42	23	34	32.3	
GEORGETOWN 5 SW	08	MAX	64	47	41	48	66	65	60	48	51	41	38	44	48	50	46	42	44	46	39	37	40	54	51	54	64	41	38	44	49	41	47	48.0	
		MIN	40	24	22	37	45	36	33	33	36	31	30	34	42	37	34	33	34	28	28	17	19	23	37	39	32	24	25	26	31	33	35	31.5	
GREENWOOD 2 NE	18	MAX	58	36	42	64	64	48	46	45	40	31	36	44	48	44	40	38	44	41	37	41	44	53	53	62	46	36	42	42	46	45	50	45.4	
		MIN	35	22	22	39	40	35	36	38	30	27	30	34	42	36	33	32	27	29	26	17	20	42	37	30	29	23	28	25	31	20	32	30.5	
LEWES	17	MAX	63	41	46	67	66	57	44	46	42	37	45	46	50	48	41	40	46	43	35	44	47	52	48	64	59	40	44	43	50	46	51	48.1	
		MIN	41	26	26	42	56	40	41	41	35	31	33	40	43	38	35	35	31	34	29	24	24	41	40	36	33	29	35	29	29	23	36	34.7	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

SNOWFALL AND SNOW ON GROUND (INCHES)

MARYLAND AND
DELAWARE
JANUARY 1993

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						T	T				T												
SNOW HILL 4 N																		.8			T												
CENTRAL EASTERN SHORE 02																																	
ROYAL OAK 2 SSW										T	T	T																					
LOWER SOUTHERN LA PLATA 1 W 03																																	
MECHANICSVILLE 5 NE				T						.3	T																						
OWINGS FERRY LANDING											T	T																					
UPPER SOUTHERN ANNAPOLIS POLICE BRKS 04																																	
BALTIMORE WSO ARPT				T						T	T					T																	
BELTSVILLE																																	
COLLEGE PARK																																	
GLENN DALE BELL STN										1.0	T	-																					
NATIONAL ARBORETUM DC										1	1	-																					
UPPER MARLBORO 3 NNW																																	
NORTHERN EASTERN SHORE CHESTERTOWN 05																																	
NORTHERN CENTRAL ABERDEEN PHILLIPS FIEL 06																																	
BENSON POLICE BARRACKS																																	
CATOCTIN MOUNTAIN PARK																																	

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
JANUARY 1993

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									2.0						T				T												
	SNOWFALL								1	1	1																				
EMMITSBURG 2 SE									2.0	T	1.0																				
	SN ON GND								2	1	2	-																			
FREDERICK POLICE BRKS									2.0																						
	SNOWFALL								2																						
	SN ON GND								2																						
MILLERS 4 NE				T					2.1	.1	.7			T	T			T				T					T				
	SNOWFALL								2	2	2	T		T	T							T									
	SN ON GND								2	2	2	T		T	T							T									
ROCKVILLE 1 NE									.8	.3										T											
	SNOWFALL								1	1	1																				
	SN ON GND								1	1	1																				
WESTMINSTER POL BRKS									2.0		1.0																				
	SNOWFALL								2		1																				
	SN ON GND								2		1																				
WOODSTOCK									2.0	T	T																				
	SNOWFALL								1	1	T																				
	SN ON GND								1	1	T																				
APPALACHIAN MOUNTAIN 07																															
CUMBERLAND 2																															
	SNOWFALL																														
	SN ON GND																														
FROSTBURG 2									.5	1.0	2.0	.2	.2		T	T	T	T	T	.6											
	SNOWFALL	T	T	T	T	T	T		T	1	3	3	2	T	T	T	T	T	1	T	T										
	SN ON GND	T	T	T	T	T	T		T	1	3	3	2	T	T	T	T	T	1	T	T										
HAGERSTOWN									1.0	.5	1.0	.5																			
	SNOWFALL								1	1	1	-																			
	SN ON GND								1	1	1	-																			
HANCOCK									-	T	-	-																			
	SNOWFALL								-	T	-	-																			
	SN ON GND								-	T	-	-																			
ALLEGHENY PLATEAU 08																															
MC HENRY 2 NW									.5	T	.5				.5		T	T	T												
	SNOWFALL	T	T						1	T	1				1		1	1	1	1	1										
	SN ON GND	T	T						1	T	1				1		1	1	1	1	1										
MERRILL																															
	SNOWFALL																														
	SN ON GND																														
OAKLAND 1 SE																															
	SNOWFALL																														
	SN ON GND																														
SAVAGE RIVER DAM																															
	SNOWFALL																														
	SN ON GND																														
DELAWARE																															
NORTHERN 01																															
NEWARK UNIVERSITY FARM																															
	SNOWFALL																														
	SN ON GND																														
WILMINGTON WSO ARPT																															
	SNOWFALL																														
	SN ON GND																														
	WTR EQUIV																														
WILMINGTON PORTER RSVR																															
	SNOWFALL																														
	SN ON GND																														
SOUTHERN 02																															
DOVER																															
	SNOWFALL																														
	SN ON GND																														
GEORGETOWN 5 SW																															
	SNOWFALL																														
	SN ON GND																														

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
JANUARY 1993

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																		
GREENHOOD 2 NE	SNOWFALL															T	T	T																															
	SN ON GND																																																

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
JANUARY 1993

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 FIEL	0015	06	HARFORD	39 28	76 10W	57	16	16		C	H	PHILLIPS ARMY AIRFIELD
ANNAPOLIS POLICE BRKS	0193	04	ANNE ARUNDEL	38 59	76 30W	25	17	17			H	ANNAPOLIS POLICE BRKS
ASSATEAGUE IS NATL SEA	0335	01	NORFOLK	38 14	75 8W	10	07	07			H	NATIONAL PARK SERVICE
BALTIMORE WSO ARPT	0465	04	ANNE ARUNDEL	39 11	76 40W	148	MID	MID		C	C	NATL WEATHER SERVICE
BALTIMORE CITY #	0470	06	BALTIMORE CI	39 17	76 37W	14	MID	MID			H	NATIONAL WEATHER SERVICE
BELTSVILLE	0700	06	PRINCE GEORG	39 30	76 53W	120	08	08	08	C	H	USDA CHEM & BIOPHYS LAB
BENSON POLICE BARRACKS	0732	06	HARFORD	39 30	76 23W	365	17	17			H	MARYLAND STATE POLICE
CATOCTIN MOUNTAIN PARK	1530	06	FREDERICK	39 39	77 29W	1610	17	17			H	CATOCTIN MOUNTAIN PARK
CHESTERTOWN	1750	05	KENT	39 13	76 4W	40	23	23			H	THOMAS W ELIASON JR
CLARKSVILLE 3 NNE	1862	06	HOWARD	39 15	76 56W	370	17	17			H	UNIV OF MD AGRONOMY DEPT
COLLEGE PARK	1995	04	PRINCE GEORG	38 59	76 57W	90	09	09		C	H	UNIVERSITY OF MARYLAND
CONOWINGO DAM	2060	06	HARFORD	39 39	76 10W	40	MID	MID			H	SUSQUEHANNA ELECTRIC CO
CUMBERLAND 2	2282	07	ALLEGANY	39 38	78 45W	730	18	07			H	TIMOTHY B THOMAS
DALECARLIA RESERVOIR	2325	04	DIS COLUMBIA	38 56	77 7W	150	17	17			H	U S CORPS OF ENGINEERS
DAMASCUS 2 SW	2335	06	MONTGOMERY	39 16	77 14W	722	19	19			H	INACTIVE 01/01/92
EDGEMONT	2770	07	WASHINGTON	39 40	77 33W	905		07			H	JOHN W HARNE
EMMITSBURG 2 SE	2906	06	FREDERICK	39 41	77 18W	416	17	17			H	LUCILLE K BEALE
FREDERICK POLICE BRKS	3348	06	FREDERICK	39 25	77 26W	380	17	17			H	MARYLAND STATE POLICE
FROSTBURG 2	3415	07	ALLEGANY	39 40	78 56W	2170	07	07			H	KENNETH L CLOSE
GLENN DALE BELL STN	3675	04	PRINCE GEORG	38 58	76 48W	150	16	16			H	USDA PLANT INTRODUCT STN
HAGERSTOWN	3975	07	WASHINGTON	39 39	77 44W	660	08	08			H	HAGERSTOWN RESERVOIR
HANCOCK	4030	07	WASHINGTON	39 42	78 11W	428	08	08		C	H	TOWN OF HANCOCK
LA PLATA 1 W	5080	03	CHARLES	38 32	77 0W	140	18	18			H	C RUSSELL LEVERING
LAUREL 3 W	5111	04	PRINCE GEORG	39 6	76 54W	400	MID	MID			H	WA SUBURBAN SANITARY COM
MC HENRY 2 NW	5832	08	GARRETT	39 35	79 22W	2680	08	08		C	H	JOSEPH F JOHENNING
MECHANICSVILLE 5 NE	5865	03	ST MARYS	38 27	76 41W	100	19	19			H	SANDRA J HASTINGS
MERRILL	5894	08	GARRETT	39 36	79 5W	1790		09			H	DELWOOD E MERRILL
MILLERS 4 NE	5934	06	CARROLL	39 43	76 48W	860	18	18		C	H	BOBBY P MILLER
MILLINGTON 1 SE	5985	05	KENT	39 16	75 52W	30	18	18			H	HOWARD L HARVEY
NATIONAL ARBORETUM DC	6350	04	DIS COLUMBIA	38 54	76 59W	50	07	07			H	US NATIONAL ARBORETUM
OAKLAND 1 SE	6620	08	GARRETT	39 24	79 24W	2420	17	17			H	BEA J CROSCO
OWINGS FERRY LANDING	6770	03	CALVERT	38 41	76 40W	160	17	17			H	JAMES C RASMUSSEN
POTOMAC FILTER PLANT	7272	06	MONTGOMERY	39 2	77 15W	270		08			H	POTOMAC WATER FILT PLANT
PRINCESS ANNE	7330	01	SOMERSET	38 13	75 41W	20	17	17			H	UNIV OF MD EASTERN SHORE
ROCKVILLE 1 NE	7705	06	MONTGOMERY	39 6	77 6W	440	MID	17			H	WASHINGTON GAS & ELEC CO
ROYAL OAK 2 SSW	7806	02	TALBOT	38 43	76 11W	10	18	18			H	JOHN L SWAINE JR
SALISBURY	8000	01	WICOMICO	38 22	75 35W	10	17	17			H	CITY OF SALISBURY
SALISBURY FAA ARPT #	8005	01	WICOMICO	38 20	75 31W	50	MID	MID			H	FAA
SAVAGE RIVER DAM	8065	08	GARRETT	39 31	79 8W	1495	08	08	08	C	H	US CORPS OF ENGINEERS
SNOW HILL 4 N	8380	01	NORFOLK	38 14	75 23W	30	17	17			H	CURTIS E SHOCKLEY
TOWSON	8877	06	WALTON	39 23	76 34W	390	18	18			H	ENVIRONMENTAL TECH GROUP
UNIONVILLE	9030	06	FREDERICK	39 27	77 11W	430	17	07		C	H	RICHARD GETZANDANNER
UPPER MARLBORO 3 NNW	9070	04	PRINCE GEORG	38 52	76 47W	100	08	08	08		H	UNIVERSITY OF MARYLAND
VIENNA	9140	02	DORCHESTER	38 29	75 50W	10	18	18			H	DELMARVA POWER & LIGHT
WESTMINSTER POL BRKS	9440	06	CARROLL	39 33	76 58W	765	17	17			H	MARYLAND STATE POLICE
WOODSTOCK	9750	06	BALTIMORE	39 20	76 52W	460	18	18			H	JOHN A HILTZ
DELAWARE												
DOVER	2730	02	KENT	39 9	75 31W	30	17	17			H	STATE HIGHWAY DEPT
GEORGETOWN 5 SW	3570	02	SUSSEX	38 38	75 27W	45	08	08	08	C	H	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
NEWARK UNIVERSITY FARM	6410	01	NEW CASTLE	39 40	75 44W	90	17	17	17	C	H	UNIV OF DEL AGRIC FARM
WILMINGTON WSO ARPT	R9595	01	NEW CASTLE	39 40	75 36W	79	MID	MID		C	H	NATIONAL WEATHER SERVICE

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
JANUARY 1993

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER
							LOCAL STD TIME				
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)	
WILMINGTON PORTER RSVR	9605	01	NEW CASTLE	39 46	75 32W	270	MID	MID		H	PUBLIC WORKS

SEE REFERENCE NOTES FOLLOWING STATION INDEX

REFERENCE NOTES

MARYLAND AND
DELAWARE
JANUARY 1993

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.

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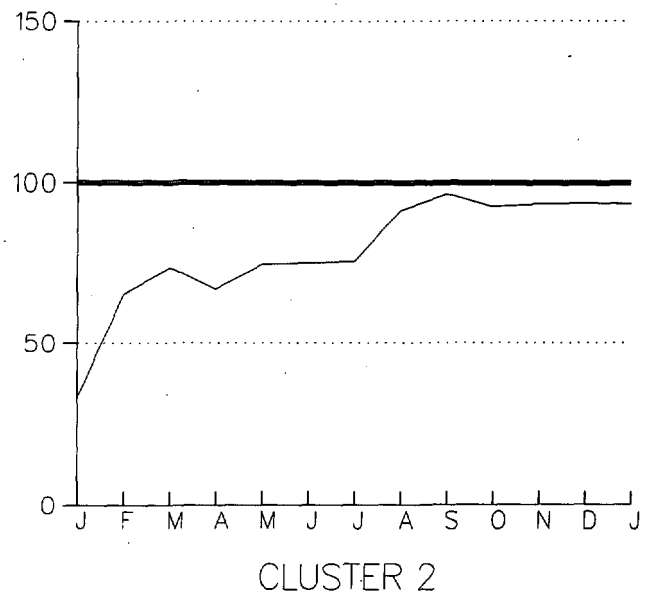
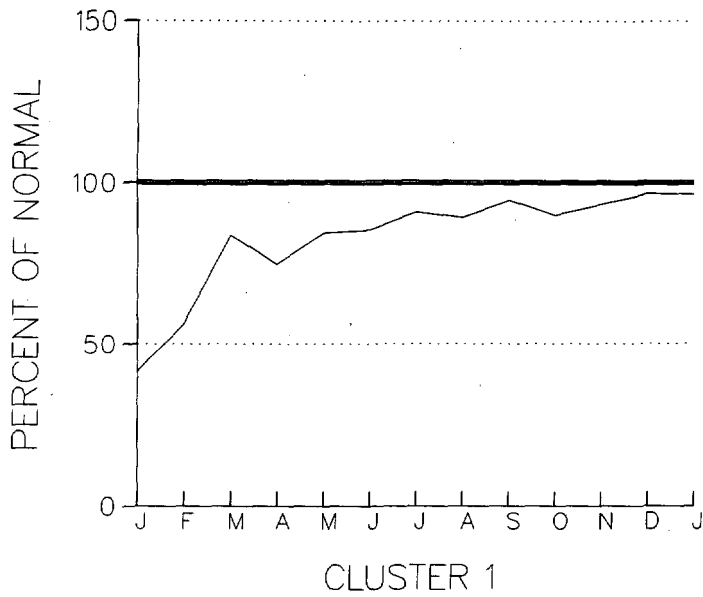
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FEDERAL BUILDING
ASHEVILLE, NC 28801-2696

USCOMM-NOAA-ASHEVILLE, N.C. JANUARY 1993-0585

CUMULATIVE PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)
FOR THE LAST 13 MONTHS
ENDING JANUARY 1993
DELAWARE

CLUSTER 1 - DIVISION(S):
NORTHERN 01

CLUSTER 2 - DIVISION(S):
SOUTHERN 02



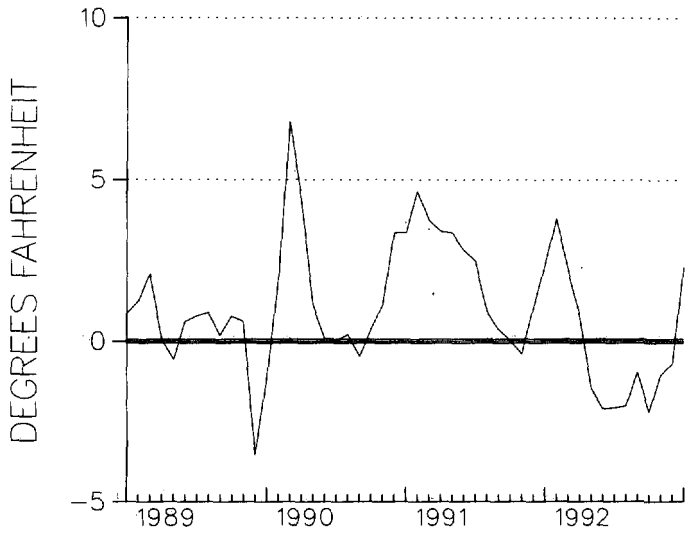
TEMPERATURE DEPARTURES FROM NORMAL (1951-1980)
 THREE MONTH RUNNING MEAN
 FOR THE 49 MONTHS ENDING WITH JANUARY 1993 DATA
 MARYLAND

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

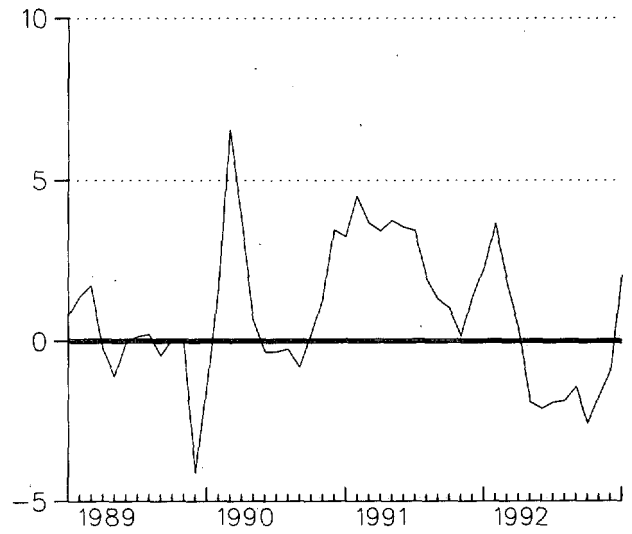
CLUSTER 2 - DIVISION(S):
 UPPER SOUTHERN 04
 NORTHERN EASTERN SHORE 05

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

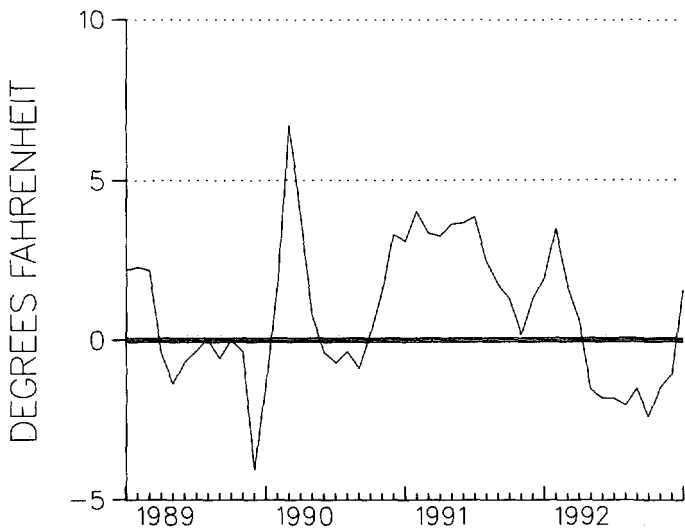
CLUSTER 4 - DIVISION(S):
 ALLEGHENY PLATEAU 08



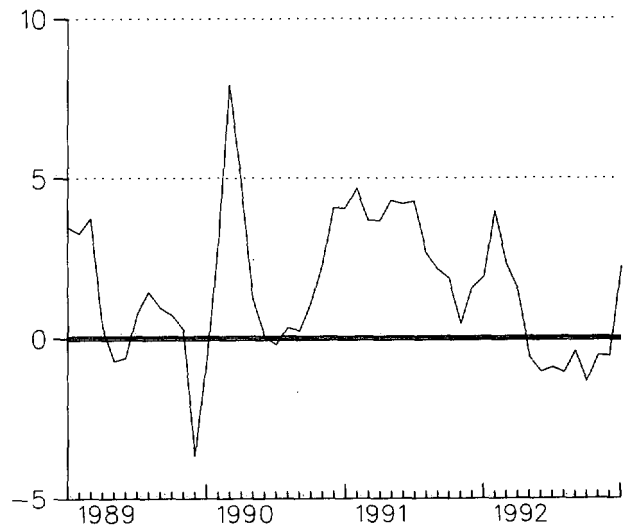
CLUSTER 1



CLUSTER 2



CLUSTER 3

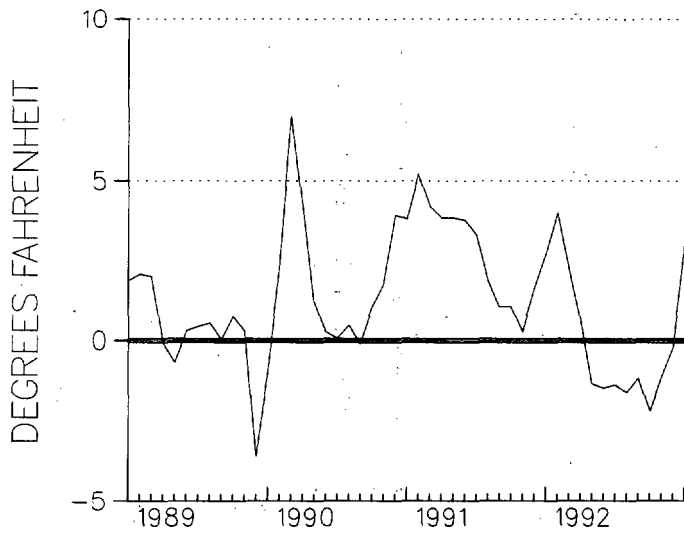


CLUSTER 4

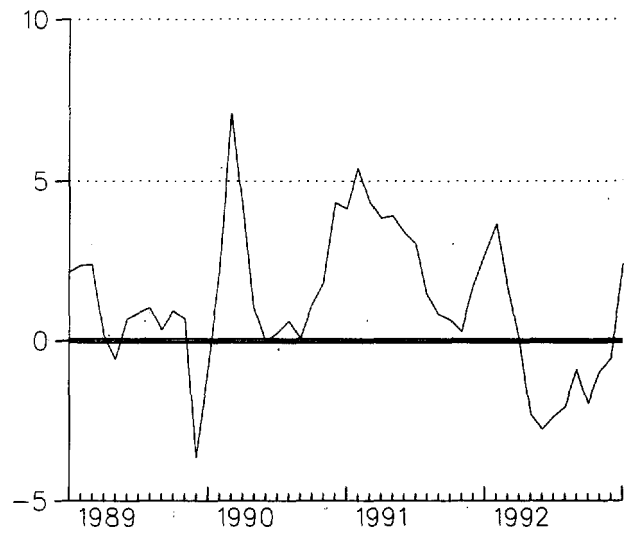
TEMPERATURE DEPARTURES FROM NORMAL (1951-1980)
THREE MONTH RUNNING MEAN
FOR THE 49 MONTHS ENDING WITH JANUARY 1993 DATA
DELAWARE

CLUSTER 1 -DIVISION(S):
NORTHERN 01

CLUSTER 2 -DIVISION(S):
SOUTHERN 02



CLUSTER 1



CLUSTER 2

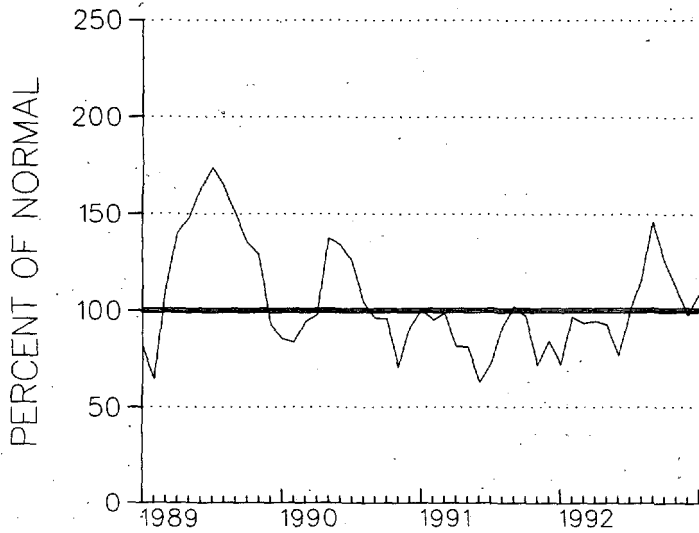
PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)
 THREE MONTH RUNNING MEAN
 FOR THE 49 MONTHS ENDING WITH JANUARY 1993 DATA
 MARYLAND

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

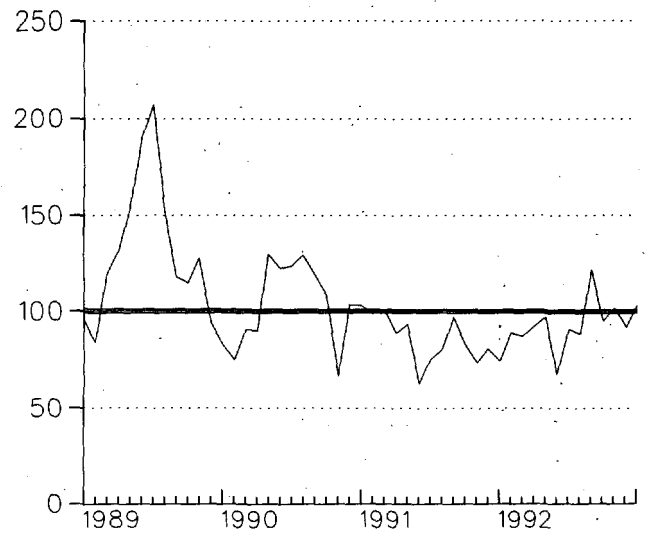
CLUSTER 2 - DIVISION(S):
 UPPER SOUTHERN 04
 NORTHERN EASTERN SHORE 05

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

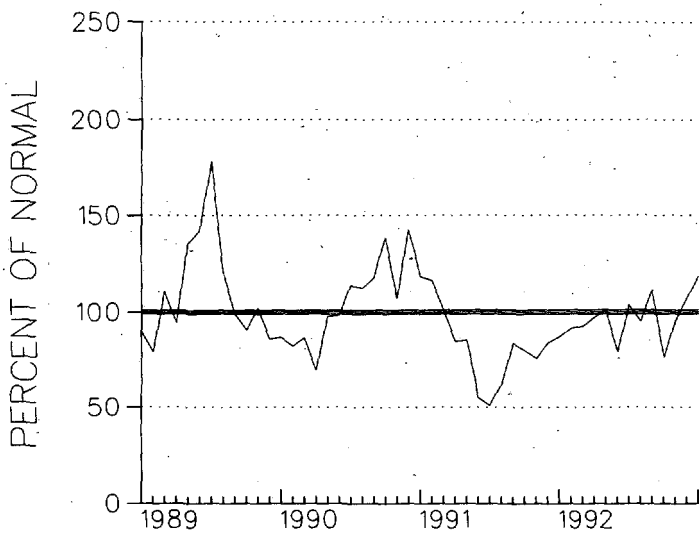
CLUSTER 4 - DIVISION(S):
 ALLEGHENY PLATEAU 08



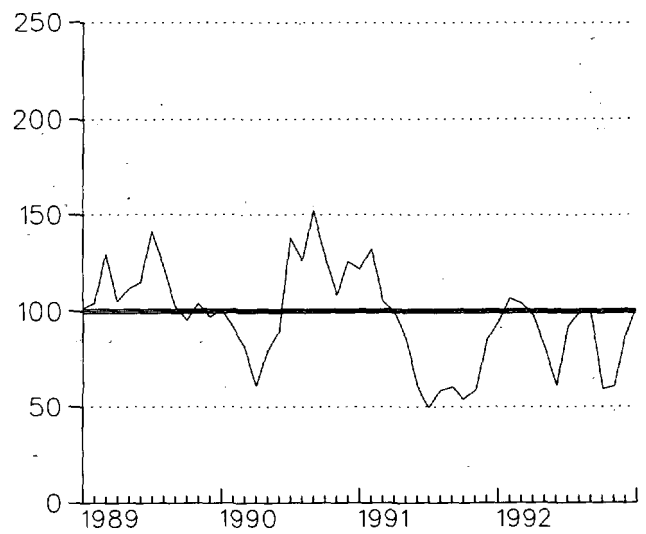
CLUSTER 1



CLUSTER 2



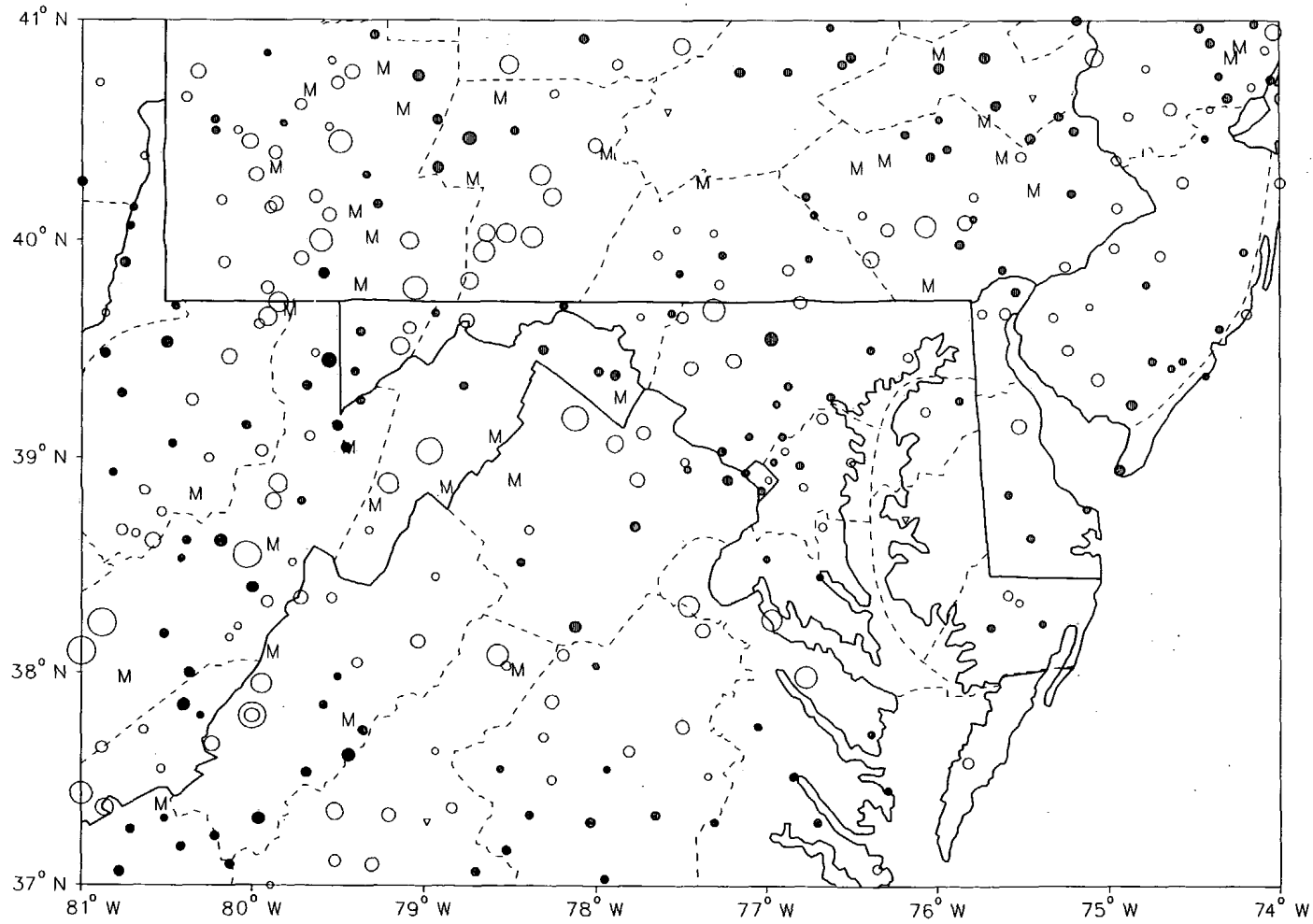
CLUSTER 3



CLUSTER 4

MONTHLY PRECIPITATION DEPARTURE FROM
THE DIVISIONAL AVERAGE FOR
JANUARY 1993
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

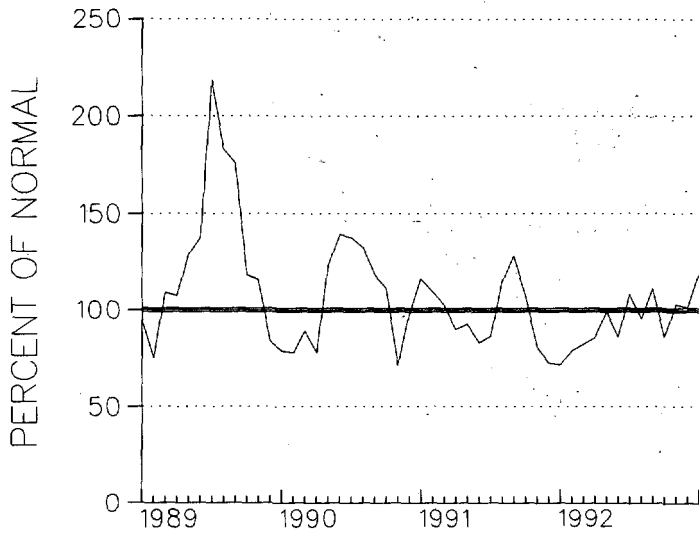


CIRCLE DIAMETER IS PROPORTIONAL TO DEPARTURE ON A CONTINUOUS SCALE

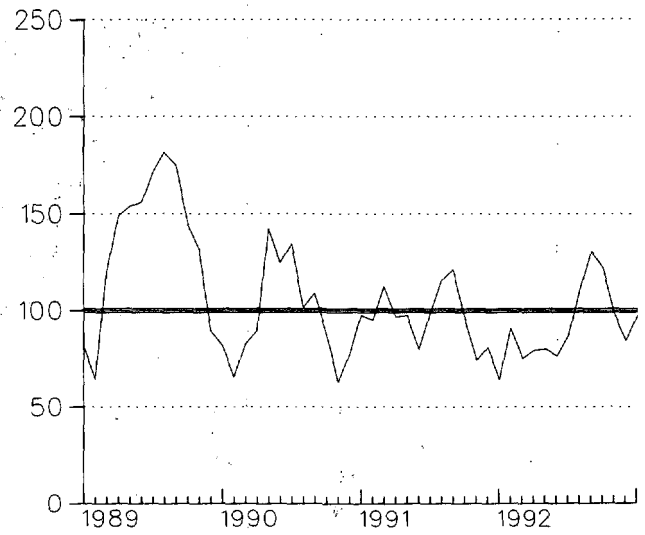
PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)
THREE MONTH RUNNING MEAN
FOR THE 49 MONTHS ENDING WITH JANUARY 1993 DATA
DELAWARE

CLUSTER 1 - DIVISION(S):
NORTHERN 01

CLUSTER 2 - DIVISION(S):
SOUTHERN 02



CLUSTER 1

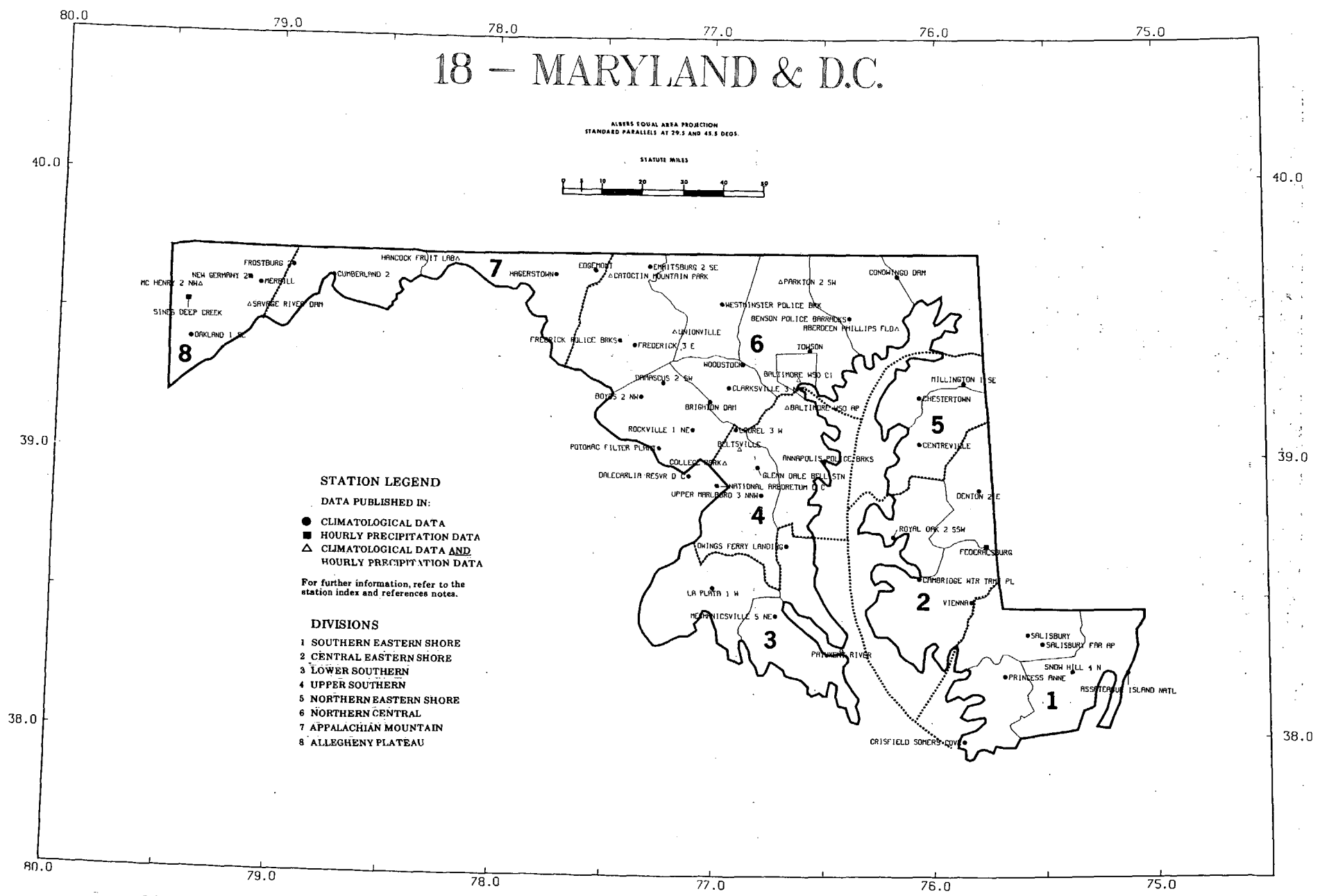
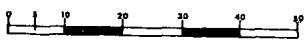


CLUSTER 2

18 - MARYLAND & D.C.

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

STATUTE MILES



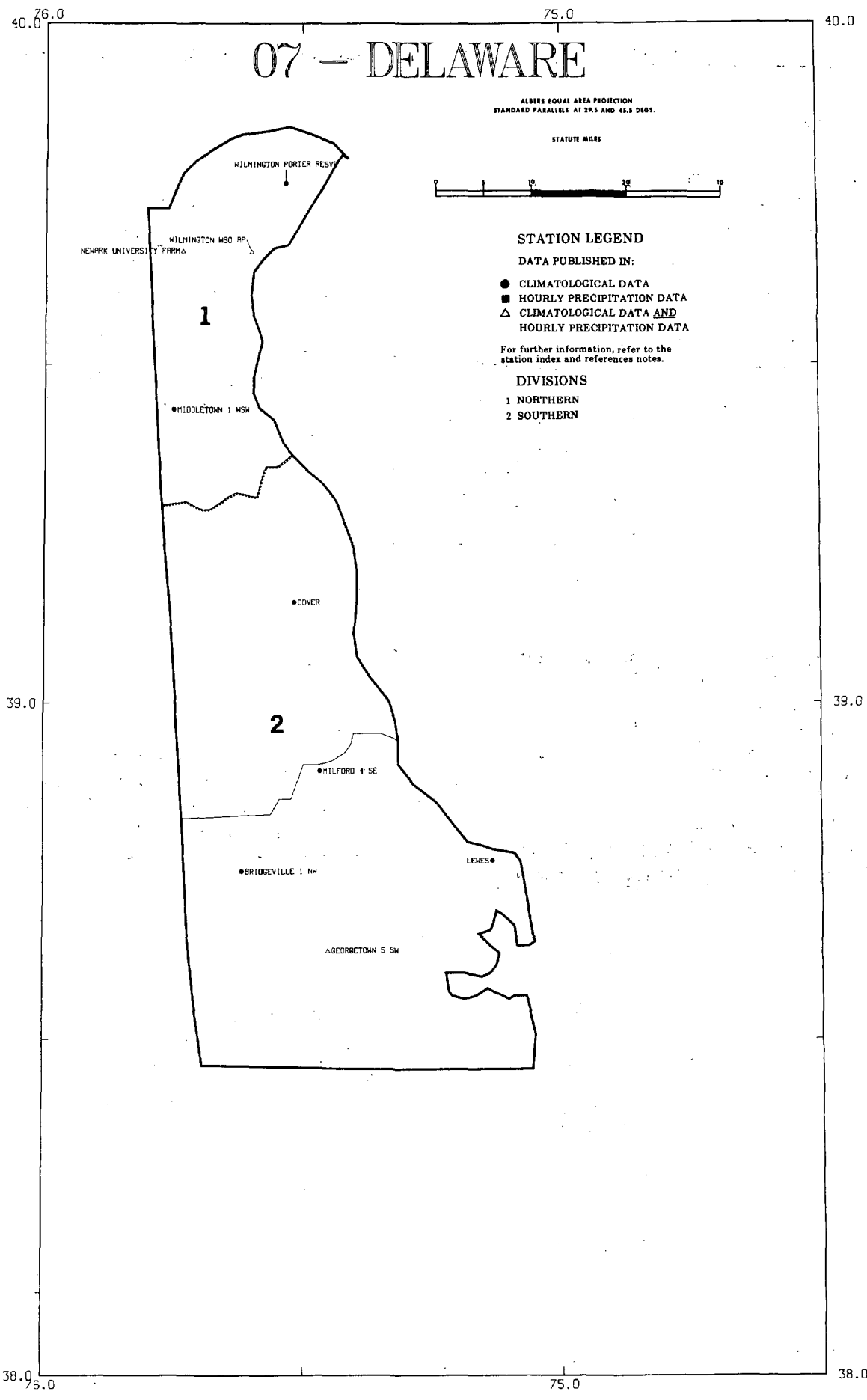
STATION LEGEND

- DATA PUBLISHED IN:
- CLIMATOLOGICAL DATA
 - HOURLY PRECIPITATION DATA
 - △ CLIMATOLOGICAL DATA AND HOURLY PRECIPITATION DATA

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

DIVISIONS

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



07 — DELAWARE

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

STATUTE MILES



STATION LEGEND

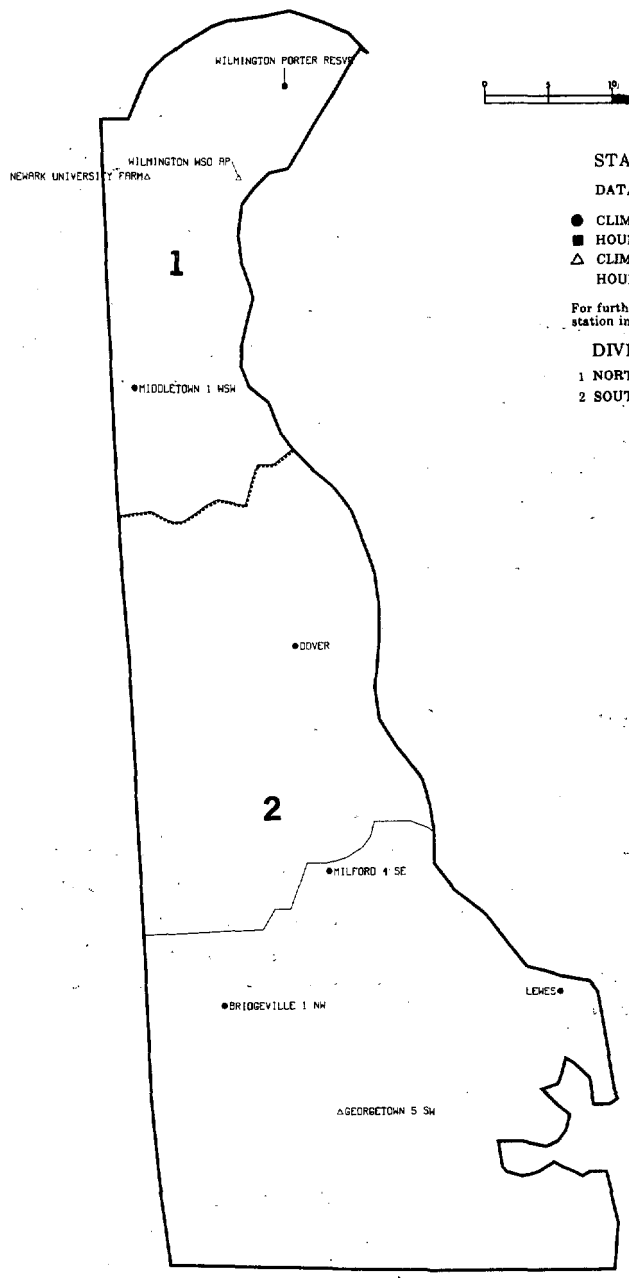
DATA PUBLISHED IN:

- 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



WILMINGTON PORTER RESV

WILMINGTON WSO RP
NEWARK UNIVERSITY FRPH

1

● MIDDLETOWN 1 WSW

● DOVER

2

● MILFORD 4 SE

● BRIDGEVILLE 1 NW

● LEHES

△ GEORGETOWN 5 SW

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