

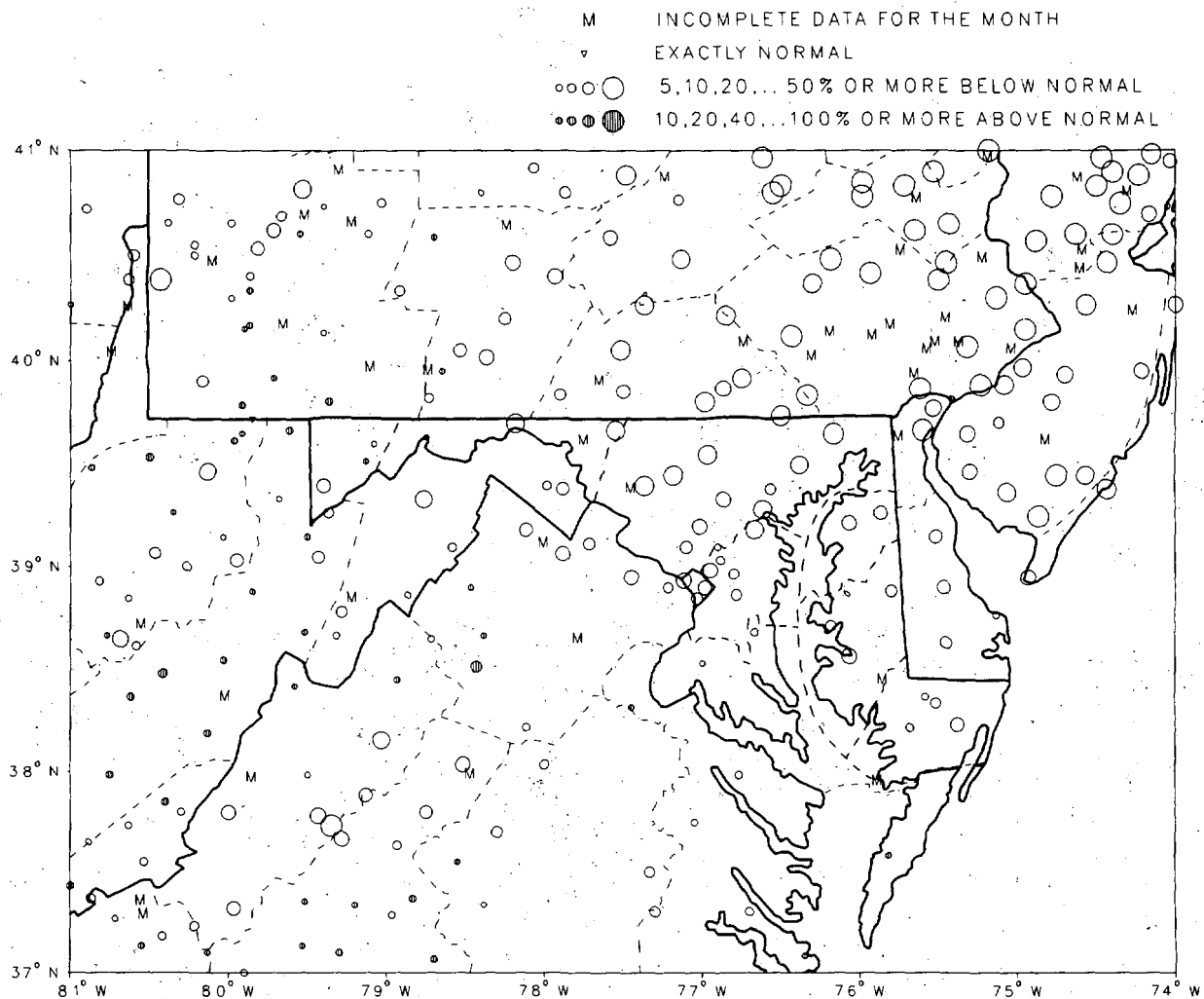
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CLIMATOLOGICAL DATA MARYLAND AND DELAWARE

DECEMBER 1987

VOLUME 91 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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INFORMATION RECEIVED AT THE NATIONAL CLIMATIC DATA CENTER.

Kenneth D. Haden

DIRECTOR, NATIONAL CLIMATIC DATA CENTER

noaa

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ATMOSPHERIC ADMINISTRATION

NATIONAL
ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE NORTH CAROLINA

TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND AND
DELAWARE
DECEMBER 1987

MARYLAND
HIGHEST TEMPERATURE 69
LOWEST TEMPERATURE 3
GREATEST TOTAL PRECIPITATION 4.65
LEAST TOTAL PRECIPITATION 1.50
GREATEST 1 DAY PRECIPITATION 1.66
GREATEST TOTAL SNOWFALL 25.5
GREATEST DEPTH OF SNOW OR ICE 9

DECEMBER 9
DECEMBER 31

DECEMBER 15
DECEMBER 6

SNOW HILL 4 N
OAKLAND 1 SE
MC HENRY 2 NW
BOYDS 2 NW
CRISFIELD SOMERS COVE
MC HENRY 2 NW
MC HENRY 2 NW

DELAWARE
HIGHEST TEMPERATURE 68
LOWEST TEMPERATURE 9
GREATEST TOTAL PRECIPITATION 3.65
LEAST TOTAL PRECIPITATION 1.90
GREATEST 1 DAY PRECIPITATION 1.98
GREATEST TOTAL SNOWFALL 2.1
GREATEST DEPTH OF SNOW OR ICE 2

DECEMBER 9
DECEMBER 31

DECEMBER 15
DECEMBER 29

LEWES
NEWARK UNIVERSITY FARM
LEWES
WILMINGTON WSO AP R
WILMINGTON PORTER RESVR R
WILMINGTON WSO AP
2 STATIONS

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
DECEMBER 1987

STATION	TEMPERATURE (°F)										PRECIPITATION (IN)													
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	SNOW, SLEET					
											90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW					TOTAL	MAX. DEPTH ON GROUND	DATE	10 OR MORE	50 OR MORE	1.00 OR MORE
MARYLAND																								
SOUTHERN EASTERN SHORE 01																								
ASSATEAGUE ISLAND NATL SE	M	M	M		64	11	24	7+			0	0	5	0	3.37		.90	11	.0	0	8	2	0	
CRISFIELD SOMERS COVE	49.0	36.8	42.9	2.0	61	9	23	30	677	0	0	0	7	0	2.49		.66	15	.00	0	2	1	1	
PRINCESS ANNE	51.3	31.4	41.4	2.2	67	9	18	31	726	0	0	0	7	0	3.11		.80	15	.00	0	2	1	1	
SALISBURY	51.7	34.1	42.9	2.2	68	9	18	31	675	0	0	0	7	0	3.40		.92	15	.00	0	2	2	0	
SALISBURY FAA AP	50.7	31.5	41.1	2.2	68	9	16	31	733	0	0	0	7	0	3.12		.97	15	.00	0	2	2	0	
SNOW HILL 4 N	51.2	32.7	42.0	2.3	69	9	15	31	706	0	0	0	7	0	2.75		.81	15	.00	0	8	2	0	
--DIVISIONAL DATA----->																								
CENTRAL EASTERN SHORE 02																								
CAMBRIDGE WTR TRMT PL	50.4	34.4	42.4	3.7	65	9	20	31	691	0	0	0	10	0	2.59	-1.12	.67	11	.0	0	6	2	0	
DENTON 2 E	49.5	31.5	40.5	2.7	65	9	14	31	752	0	0	0	16	0	2.86	-.66	.74	11	4.5	0	128	7	2	0
ROYAL OAK 2 SSW	49.3	34.4	41.9	3.0	64	9	21	31+	711	0	0	0	11	0	3.13	-.61	1.00	11	T	T	10	2	1	
VIENNA	M	M	M															T	M	T				
--DIVISIONAL DATA----->																								
LOWER SOUTHERN 03																								
LA PLATA 1 W	49.6	31.8	40.7	2.8	65	9	20	30	748	0	0	0	18	0	3.38	-.04	.76	15	T	T	8	3	0	
MECHANICSVILLE 1 E	49.7	31.5	40.6		66	9	18	31	752	0	0	0	18	0	3.34		.84	11	T	T	9	3	0	
OWINGS FERRY LANDING	48.8	31.8	40.3	2.2	65	9	18	31	758	0	0	0	15	0	3.05	-.24	.70	15	T	0	8	2	0	
PATUXENT RIVER	48.6	32.7	40.7		64	20	21	31+	746	0	0	0	11	0	3.19		.82	15	T	T	8	3	0	
--DIVISIONAL DATA----->																								
UPPER SOUTHERN 04																								
ANNAPOLIS POLICE BRKS	49.3	31.5	40.4		61	9	18	30	755	0	0	0	20	0	2.88		.72	15	T	T	8	2	0	
BALTIMORE WSO AP	47.8	31.7	39.8	3.3	65	9	17	31	774	0	0	0	14	0	2.07	-1.33	.48	15	T	T	8	0	0	
BELTSVILLE	47.3	30.4	38.9	3.6	64	10	15	31	802	0	0	0	21	0	2.98	-.36	.75	23	T	T	7	1	0	
COLLEGE PARK	47.8	32.3	40.1	2.8	65	10	17	31	766	0	0	0	20	0	2.37	-1.01	.74	16	.0	0	5	2	0	
DALE CARLIA RESVR D C	49.3	29.2	39.3	1.9	67	9	11	30	791	0	0	0	20	0	2.41	-1.08	.78	15	.0	0	8	1	0	
GLENN DALE BELL STN	49.5	28.5	39.0	2.3	64	9	16	31	803	0	0	0	25	0	2.86	-.53	.69	15	.0	0	6	2	0	
LAUREL 3 W	48.5	31.6	40.1	3.2	64	10	15	30	768	0	0	0	18	0	3.18	-.16	.75	15	T	T	9	1	0	
NATIONAL ARBORETUM D C	48.1	30.2	39.2	.7	65	10	16	31	791	0	0	0	22	0	2.53	-.83	.55	11	.0	0	6	1	0	
UPPER MARLBORO 3 NNW	47.5	30.5	39.0		66	10	16	31	799	0	0	0	22	0	2.86	-.53	.94	11	.0	0	7	1	0	
--DIVISIONAL DATA----->																								
NORTHERN EASTERN SHORE 05																								
CHESTERTOWN	47.7	32.4	40.1	3.1	62	9	16	31	764	0	0	0	14	0	2.74	-1.13	.77	15	.8	0	129	9	1	0
MILLINGTON 1 SE	49.5	31.7	40.6	4.5	63	9	12	31	745	0	0	0	16	0	2.66	-.92	.65	15	.0	0	6	2	0	
--DIVISIONAL DATA----->																								
NORTHERN CENTRAL 06																								
ABERDEEN PHILLIPS FLD	46.0	32.3	39.2	M	58	10+	17	30	795	0	0	0	9	0	2.18		.71	15	1.0	M	129	4	1	0
BALTIMORE WSO CI	47.8	33.7	40.8	1.5	64	9	17	30	742	0	0	0	21	0	2.24	-1.54	.75	15	.0	M		7	1	0
BENSON POLICE BARRACKS	47.9	26.9	37.4	2.3	60	9	8	31	846	0	0	0	26	0	2.45	-1.54	.96	15	M	M	129	6	1	0
BOYDS 2 NW	46.2	31.9	39.1		65	9	17	30	799	0	0	0	17	0	1.50		.56	15	1.0	0	130+	5	1	0
CATOCTIN MOUNTAIN PARK	42.1	28.3	35.2		58	10	8	31	916	0	0	0	22	0	2.48		.64	15	3.5	0	330+	7	1	0
CLARKSVILLE 3 NNE	47.5	29.5	38.5		65	9	10	31	812	0	0	0	18	0	2.39		.77	15	2.7	0	229	6	1	0
CONOWINGO DAM	47.2	25.9	36.6	2.5	60	12	8	31	875	0	0	0	29	0	2.08	-1.79	.46	15	.0	0		7	0	0
DAMASCUS 2 SW	45.1	31.6	38.4		63	9	15	30	817	0	0	0	21	0	2.54		.79	15	1.5	0	229	7	1	0
EMMITSBURG 2 SE	45.0	29.9	37.5		59	9	9	31	846	0	0	0	19	0	2.04		.70	15	2.0	0	130+	6	1	0

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
DECEMBER 1987

STATION	TEMPERATURE (°F)												PRECIPITATION (IN)														
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	SNOW			SLEET			NO. OF DAYS		
											90 OR ABOVE	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			
FREDRICK POLICE BRKS	47.8	33.1	40.5		63	10+	15	31	753	0	0	1	13	0	M	2.33		.70	15	T		6	1	0			
ROCKVILLE 1 NE	46.5	31.5	39.0	2.6	67	9+	16	30	801	0	0	1	19	0		2.34	-.66	.66	15			7	1	0			
TOWSON	50.0	27.9	39.0		64	26	14	30	802	0	0	1	25	0		3.18	-.64	.64	15	M	128	7	2	0			
UNIONVILLE	46.1	25.4	35.8	2.4	65	9	12	7	897	0	0	1	28	0		1.89	-1.41	.41	15			6	1	0			
WESTMINSTER POLICE BRK	45.7	28.7	37.2	4.2	63	10	11	30	852	0	0	2	24	0		2.04	-1.45	.45	15			7	1	0			
WOODSTOCK	47.1	31.2	39.2	4.0	64	9	13	31	794	0	0	2	18	0		2.47	-1.05	.05	15			6	1	0			
--DIVISIONAL DATA----->			38.2	2.9												2.27	-1.25		1.2								
APPALACHIAN MOUNTAIN 07																											
CUMBERLAND 2	44.8	29.2	37.0	2.7	59	10	15	30	860	0	0	0	24	0		2.65	.01	.70	20			3.0	129+	7	1	0	
FROSTBURG 2	37.9	26.4	32.2		55	26+	12	30	1012	0	0	0	26	0		3.51		.68	20	23.7		7	6	8	2	0	
HAGERSTOWN	44.9	31.0	38.0	3.8	62	9	11	31	832	0	0	1	19	0	M	1.59		.45	20	1.0		131+	5	0	0		
HANCOCK FRUIT LAB	45.8	29.7	37.8	4.9	58	20	9	31	838	0	0	0	19	0		1.58	-1.01	.63	20	1.0		131+	4	1	0		
--DIVISIONAL DATA----->			36.3	2.6												2.58	-.26		9.2								
ALLEGHENY PLATEAU 08																											
MC HENRY 2 NW	37.4	24.5	31.0		56	9	10	30	1048	0	0	1	22	0		4.65		.70	20	25.5		9	6	13	3	0	
OAKLAND 1 SE	43.1	24.4	33.8	3.9	57	9	3	31	960	0	0	0	62	0		2.87	-1.03	.60	20	23.3		8	6+	9	1	0	
SAVAGE RIVER DAM	40.9	27.0	34.0	3.8	60	26	10	31	952	0	0	0	52	0		2.77	-.09	.65	20	8.0		131+	6	1	0		
--DIVISIONAL DATA----->			32.9	3.5												3.43	-.22		18.9								
DELAWARE																											
NORTHERN 01																											
MIDDLETOWN 3 E	47.3	30.8	39.1		66	9	12	31	795	0	0	1	16	0		2.41		.81	15	1.0		0	5	2	0		
NEWARK UNIVERSITY FARM	47.3	28.8	38.1	2.5	61	9	9	31	826	0	0	0	22	0	M	1.66		.77	15	1.5		229	4	1	0		
WILMINGTON WSO AP	46.6	30.6	38.6	3.1	62	9	13	31	811	0	0	0	21	0		1.90	-1.64	.66	15	2.1		229	7	1	0		
WILMGTN PORTER RESVR	46.3	31.9	39.1	4.0	60	9	13	30	795	0	0	1	13	0		2.43	-1.31	.98	15	.0		0	7	1	0		
--DIVISIONAL DATA----->			38.7	3.0												2.25	-1.30		1.2								
SOUTHERN 02																											
DOVER	50.9	33.4	42.2	3.8	67	9	12	31	700	0	0	1	11	0		2.67	-.86	.65	11	.7		129	6	3	0		
GEORGETOWN 5 SW	49.8	31.8	40.8	3.0	66	10	12	31	744	0	0	1	17	0		2.87	-.72	.67	11	T		T	9	2	0		
GREENWOOD 2 NE	50.2	31.7	41.0		66	9	14	31	736	0	0	1	15	0		2.91		.76	11	1.5		129+	7	2	0		
LEWES	50.3	34.3	42.3	3.8	68	9	17	31+	697	0	0	1	12	0		3.65	-.17	.81	11	.8		T	8	4	0		
MILFORD 4 SE	49.6	32.5	41.1	3.2	66	9	14	31	733	0	0	1	14	0		2.86	-.95	.87	11	T		T	7	2	0		
--DIVISIONAL DATA----->			41.5	3.2												2.99	-.74		.4								

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
DECEMBER 1987

STATION	TOTAL	DAY OF MONTH																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MARYLAND																																	
SOUTHERN EASTERN SHORE 01																																	
ASSATEAGUE ISLAND NATL SE	3.37	.03		.02	.10	.15			.03	.02	.90					.87	.04				.09	.02		.13			.30	.01	.19	.46	.01		
CRISFIELD SOMERS COVE	M 2.49				.60											1.66					.08			.15									
PRINCESS ANNE	3.11				.32					.08	.78					.80	.03				.08			.11			.27	.16	.21	.27			
SALISBURY	3.40				.10	.02				.02	.85					.92	.02				.13	T	.15			.13	.38	.35	.28	.03	.02		
SALISBURY FAA AP	3.12	T		.02	.05	T				.38	.41			T		.97				T	.12		.18	T		.17	.25	.36	.21		T		
SNOW HILL 4 N	2.75		T		.11	.01				T	.75					.81	.03				.06	T	T	.15		.16	.17		.14	.36			
CENTRAL EASTERN SHORE 02																																	
CAMBRIDGE WTR TRMT PL	2.59					.04				.08	.67					.58	.04				.13	T		.09		.06	.38		.40	.12			
DENTON 2 E	2.86				T					.07	.74					.50					.18			.04		.41	.10		.34	.48			
ROYAL OAK 2 SSW	3.13				.24					.10	1.00					.58	.02				.21			.10		.12	.37		.24	.15			
VIENNA	M																																
LOWER SOUTHERN 03																																	
LA PLATA 1 W	3.38		T		.29					.34	.74				.01	.76	.01				.22			.04		.14	.22		.56	.05			
MECHANICSVILLE 1 E	3.34				.17				T	.29	.84				T	.72	T				.19		T	.01		.12	.24	T	.63	.13			
OWINGS FERRY LANDING	3.05				.35					.18	.57					.70	.02				.24	T		.08		.05	.36		.32	.18			
PATUXENT RIVER	3.19			T	.29	T				.57	.40				T	.82				.01	.11		.06			.18	.15		.52	.08		T	
UPPER SOUTHERN 04																																	
ANNAPOLIS POLICE BRKS	2.88				.17					.20	.55					.72	.03				.28			.07		.05	.36		.23	.22			
BALTIMORE WSO AP	2.07	T		.03	.16	T			T	.14	.11	T		.02	.48		T		T		.22		.04			.11	.35		.32	.09	T		
BELTSVILLE	2.98		.01		.06	.21					.41				.49	.19			T		.05	.01		.75		.01	.37	.05	T	.37			
COLLEGE PARK	2.37	T		.01	.02	.16				T	.52					.74	T				.03			.06		.02	.39	.02	.02	.34	.04		
DALECARLIA RESVR D C	2.41		.01		.33					.10	.26	.02			.78						.32			.05		.10			.24	.20			
GLENN DALE BELL STN	2.86				.39			T		.07	.50				.69	.05					.31				.03	.40		.37	.05				
LAUREL 3 W	3.18			.30	.39	T				.20	.07				.11	.75				.04	.37		.06			.25	.27		.37				
NATIONAL ARBORETUM D C	2.53				.03	.36					.55			T		.48	.24							.05		.05	.37		.04	.37	.36		
UPPER MARLBORO 3 NNW	2.86				.02	.21				T	.94					.45	.22				.20	.05		.04		T	.30	.07	T	.34	.02		
NORTHERN EASTERN SHORE 05																																	
CHESTERTOWN	2.74	T	.04	.10	.02	T			T	.25	.42			T	.77						.25		.07	.02		.17	.39		.14	.10			
MILLINGTON 1 SE	2.66		.02			.06			T	.05	.64					.65	.08				.25			.06		.13	.46		.07	.19			
NORTHERN CENTRAL 06																																	
ABERDEEN PHILLIPS FLD	2.18				.10				.02		.21					.71	.03			*	*	.22		.03		*	*	*	.59	.27			
BALTIMORE WSO CI	2.24				.08					.20	.07			.03		.75	.10				.15		.02	.01		.10	.33		.32	.07		.01	
BENSON POLICE BARRACKS	2.45				.17				.03		.10	.02	T			.96					.29			.09		.05	.04	.39		.07	.24		
BOYDS 2 NW	1.50				.17											.56					.23			.03			.10	.34		.07			
BRIGHTON DAM	2.39	.01		.08	.13				.01	.10	.05	.03		.10		.70	.01			.01	.30		.02			.12	.34		.30	.08			
CATOCTIN MOUNTAIN PARK	2.48		.04		.18				.02							.64					.45					.27	.33		.30	.25			
CLARKSVILLE 3 NNE	2.39		T		.24	T			T	.01	.06					.77	.01	T			.37			.07		.04	.44		.19	.19			
CONOWINGO DAM	2.08			.08	.11				T	.01	.03					.46					.33	.11	.06	T		.14	.36		T	.33	.02		
DAMASCUS 2 SW	2.54	T	.01	.05	.20	T			.01	T	.04					.79		T			.36			.03		.14	.44		.35	.10			
EMMITSBURG 2 SE	2.04	T			.12				.02							.70					.42					.28	.05		.20	.25			
FREDRICK POLICE BRKS	M 2.33				.16								.02			.70	.02	.03			.40			.05		.07	.37		.18	.29		.04	
FREDERICK 3 E	1.84		T		.18								T			.56	.14				.38			.02		.06	.32		.18	.18			
POTOMAC FILTER PLANT	2.25	.06		.09						.10					.08	.63					.28		.04			.28	.27		.38	T			
ROCKVILLE-1 NE	2.34	.02	T	.08	.12				T	.16	.04	T			.09	.66				.04				.03		.27	.25		.29	T			
TOWSON	3.18				.20		.01			.05	.18	.18				1.02	.01			T				.10		.05	.59	.01	.10	.24	.04	.02	
UNIONVILLE	1.89				.10									.17				.05	.02					.81		.20	.05		.30	.19			
WESTMINSTER POLICE BRK	2.04				.20	.01			T	.01	.06	.01				.54					.37					.10	.46		.04	.12	.18		
WOODSTOCK	2.47				.26											.80					.38			.07		.03	.42		.20	.23			

SEE REFERENCE NOTES FOLLOWING STATION INDEX
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DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
DECEMBER 1987

STATION	TOTAL	DAY OF MONTH																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
APPALACHIAN MOUNTAIN 07																																	
CUMBERLAND 2	2.65				.18						.02		.02			.31	.17	.04	T		.70			T		.40	.36	T	1	.45	T		
EDGEMONT	1.80				.10	T										.32	.07				.41	.02				.26	.22			.33	.07	T	
FROSTBURG 2	3.51		.09	T	.32	.09	.07	T			.01		.03	T		.52	.14	.18	.03	T	.68			.07		.37	.39	.01	.01	.43	.07	T	
HAGERSTOWN	M 1.59				T											.42	T	T			.45					.28	.21	T	.23				
HANCOCK FRUIT LAB	1.58	T			.09					T							T				.63					.28	.31		.18	.09			
ALLEGHENY PLATEAU 08																																	
MC HENRY 2 NW	4.65	T	.32	.03	.48	.21	.12			.02	.04		.02			.52	.07	.14	.14	T	.70	T		.22		.49	.55	T	.04	.42	.12		
MERRILL	3.10		.02		.28	.12	.06									.52	.03	.13		.01	.61			.11		.35	.45		.02	.36	.03		
OAKLAND 1 SE	2.87	T	.17	.03	.33	.09	T			.06			.02	T	T	.46	.03	.03			.60		T	.16		.24	.19	T	.30	.16	T	T	
SAVAGE RIVER DAM	2.77	T	.03	T	.27	.02	T			.06	.01					.46	.04	.02	T	T	.65	T		.03		.38	.34	T	.02	.42	T		
DELAWARE																																	
NORTHERN 01																																	
MIDDLETOWN 3 E	2.41				.09							.58				.81							.09		.14		.46			.24			
NEWMARK UNIVERSITY FARM	M 1.66				.06						.21					.77					.28					.06	.28						
WILMINGTON WSO AP	1.90			.06	T	T				.02	.12	.23	T		T	.66		T			.23			.02	T		.13	.16		.18	.09		
WILMGTN PORTER RESVR	2.43			.07	.04	.01					.09	.19	T			.98					.36			.02			.14	.23		.12	.18		T
SOUTHERN 02																																	
DOVER	2.67				.06					.01		.65	.02			.57	.07				.27			.10		.09	.60	.02	.02	.19			
GEORGETOWN 5 SW	2.87		.02	.01	.05						.02	.67				.38	.12				.10	.15		.16		.05	.43	.11		.60			
GREENWOOD 2 NE	2.91				.03	.02					.09	.76		.01		.60					.21			.09		.25	.29		.37	.19			
LEWES	3.65		.61		.05	.03					.81	.81		.02		.56	.02				.13			.11		.06	.52		.26	.44			
MILFORD 4 SE	2.86		T		.06					T		.67				.51	.08				.17					.21	.45		.23	.28		.03	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
DECEMBER 1987

STATION		OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MARYLAND																																			
SOUTHERN EASTERN SHORE		01																																	
ASSATEAGUE ISLAND NATL	07	MAX	58	55	50	51	48	47	45	50	52	62	64																						
		MIN	38	38	24	39	30	31	24	27	33	46	40																		M				
CRISFIELD SOMERS COVE	17	MAX	48	48	48	46	41	43	43	48	61	60	52	56	52	48	57	58	42	42	47	59	57	48	49	48	56	60	43	44	41	33	42	49.0	
		OBS	*****																																
		MIN	43	41	29	39	36	37	33	30	39	49	45	40	43	37	38	40	37	33	29	40	43	30	40	30	41	44	37	37	33	23	24	36.8	
		OBS	*****																																
PRINCESS ANNE	17	MAX	51	48	49	46	42	45	49	50	67	66	56	58	57	47	63	64	42	41	40	64	63	51	51	56	60	59	44	43	40	32	45	51.3	
		MIN	38	35	21	32	32	33	22	26	31	51	42	31	29	28	35	30	35	30	28	23	44	23	31	29	42	42	31	34	28	20	18	31.4	
		OBS																																	
SALISBURY	17	MAX	53	47	49	45	43	46	49	47	68	64	54	59	53	49	63	62	41	42	49	65	62	51	51	56	60	64	45	47	41	32	47	51.7	
		MIN	38	40	25	36	32	34	27	36	34	51	42	38	36	33	37	41	35	29	26	31	44	30	34	31	47	42	32	32	27	19	18	34.1	
SALISBURY FAA AP	MID	MAX	52	48	49	46	43	45	48	52	68	66	52	58	50	47	64	48	42	40	49	63	56	50	51	57	61	63	44	41	41	30	49	50.7	
		MIN	36	26	22	34	33	34	26	27	31	46	33	38	30	29	38	37	33	23	23	41	35	26	33	29	56	38	31	33	23	17	16	31.5	
SNOW HILL 4 N	18	MAX	53	48	49	47	43	45	48	53	69	66	56	58	53	48	59	61	41	41	51	62	55	50	51	54	60	64	44	42	41	29	47	51.2	
		MIN	36	40	22	35	32	31	26	27	31	53	42	34	34	29	38	36	35	29	23	39	42	27	34	28	42	43	32	33	29	18	15	32.7	
CENTRAL EASTERN SHORE		02																																	
CAMBRIDGE WTR TRMT PL	16	MAX	51	48	48	46	42	45	45	51	65	63	51	59	58	48	59	59	42	40	50	58	58	50	50	53	61	60	44	43	37	33	46	50.4	
		MIN	38	40	25	36	35	36	33	28	36	46	42	38	37	36	36	37	36	30	25	39	43	27	32	32	46	41	34	33	29	21	20	34.4	
DENTON 2 E	17	MAX	51	49	45	46	42	45	47	49	65	60	59	57	52	48	63	63	42	40	46	59	56	47	49	55	60	50	43	36	35	29	45	49.5	
		MIN	36	38	23	31	31	35	25	28	35	41	41	35	38	32	36	36	35	28	24	38	39	25	32	29	40	39	22	32	22	17	14	31.5	
ROYAL OAK 2 SSW	18	MAX	49	47	47	45	42	46	46	49	64	61	52	58	52	45	56	57	42	41	48	56	56	48	51	53	59	59	43	40	36	33	47	49.3	
		MIN	39	41	26	35	34	36	28	30	36	44	43	38	39	34	37	38	37	32	26	39	42	27	31	34	45	41	29	33	29	21	21	34.4	
VIENNA	18	MAX																																M	
		MIN																																M	
LOWER SOUTHERN		03																																	
LA PLATA 1 W	18	MAX	49	47	47	45	42	45	47	53	65	61	52	59	54	44	49	46	40	40	52	60	59	48	51	56	60	59	44	42	38	34	49	49.6	
		MIN	30	33	24	34	32	30	23	29	36	45	38	36	33	30	33	29	33	26	24	38	43	26	28	30	47	39	32	31	32	20	21	31.8	
MECHANICSVILLE 1 E	19	MAX	48	47	47	45	44	45	48	51	66	62	52	59	51	44	56	49	40	41	51	61	57	46	52	56	61	59	44	40	37	34	48	49.7	
		MIN	30	35	21	32	32	28	22	27	33	45	40	37	33	29	37	29	34	29	25	39	39	24	29	28	45	42	30	34	31	20	18	31.5	
OWINGS FERRY LANDING	17	MAX	48	45	46	43	41	45	47	52	65	61	54	58	51	44	52	49	39	41	49	59	55	47	51	56	61	58	42	39	35	33	48	48.8	
		MIN	31	37	23	33	33	29	21	28	35	46	42	35	35	29	37	34	35	29	23	38	41	24	28	28	43	41	29	33	30	19	18	31.8	
PATUXENT RIVER	MID	MAX	47	48	48	43	42	45	45	50	60	61	52	59	49	43	58	42	40	40	51	64	53	46	51	53	59	54	45	39	37	34	48	48.6	
		MIN	34	29	26	34	33	33	27	28	37	44	37	38	35	37	36	33	34	27	27	40	35	27	31	34	49	39	33	34	22	21	21	32.7	
UPPER SOUTHERN		04																																	
ANNAPOLIS POLICE BRKS	17	MAX	51	48	41	46	43	47	48	46	61	54	54	59	58	47	52	52	44	42	47	53	55	47	54	52	60	59	45	42	37	34	49	49.3	
		MIN	30	32	20	27	28	27	21	20	30	43	38	37	29	32	36	35	36	30	27	40	43	27	32	33	49	44	28	32	31	18	22	31.5	
BALTIMORE WSO AP	MID	MAX	50	45	43	41	41	45	49	52	65	58	53	57	46	44	47	41	40	41	45	59	53	46	50	56	59	57	44	41	35	32	48	47.8	
		MIN	33	29	26	32	33	31	25	30	31	45	39	38	36	36	36	34	35	27	29	38	33	25	30	33	42	37	33	33	20	18	17	31.7	
BELTSVILLE	08	MAX	49	50	45	44	40	41	44	48	52	64	57	54	57	48	45	45	40	39	43	44	59	43	47	50	56	59	45	48	38	39	33	47.3	
		MIN	30	35	24	28	30	32	25	28	31	30	40	38	26	31	36	35	32	28	25	35	36	24	26	30	35	44	29	33	32	18	15	30.4	
		OBS																																	
COLLEGE PARK	09	MAX	50	50	46	46	42	42	46	49	53	65	58	55	60	50	45	46	42	40	42	44	59	43	48	50	57	59	46	45	37	33	34	47.8	
		MIN	31	38	25	28	34	30	27	29	33	41	42	38	40	36	35	36	35	29	25	36	38	25	29	31	34	45	30	33	32	20	17	32.3	
DALECARLIA RESVR D C	17	MAX	51	48	45	44	42	44	48	56	67	64	52	60	55	45	44	44	40	40	44	59	56	47	52	57	59	58	45	43	35	35	48	49.3	
		MIN	28	28	23	30	26	17	22	26	30	35	39	32	34	29	35	34	29	35	21	35	28	22	37	40	41	39	29	30	24	11	16	29.2	
GLENN DALE BELL STN	16	MAX	60	44	42	45	45	45	50	50	64	60	60	58	58	51	45	47	40	45	43	50	58	54	50	54	54	54	42	38	45	35	49	49.5	
		MIN	30	32	22	27	28	29	24	28	30	32	30	26	27	25	35	33	34	27	21	32	40	22	24	26	40	40	28	30	29	18	16	28.5	

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DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
DECEMBER 1987

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
LAUREL 3 W	MID	MAX MIN OBS	49 31 30	44 30 26	44 31 29	41 31 29	40 29 29	44 34 34	50 32 34	50 32 34	62 41 35	64 41 38	53 38 35	59 31 37	47 31 37	54 39 37	45 31 37	43 31 29	40 29 26	42 26 36	43 36 36	56 36 49	55 35 35	46 28 36	61 36 42	56 42 32	58 42 32	60 29 17	42 29 15	36 17 15	33 20 20	45 39 39	48.5 31.6	
NATIONAL ARBORETUM D C	08	MAX OBS MIN OBS	53 32 32	51 32 24	47 25 30	44 25 30	42 30 30	43 24 26	45 29 29	52 41 36	65 41 40	58 38 36	53 31 35	59 34 33	45 34 33	45 33 27	36 27 23	42 23 23	45 32 32	59 37 41	50 24 25	48 25 29	52 32 29	57 32 44	60 29 30	46 29 30	43 30 30	38 18 18	35 16 16	35 16 16	48.1 30.2			
UPPER MARLBORO 3 NNW	08	MAX MIN	50 32	51 33	46 22	45 27	40 32	42 32	45 23	48 26	53 31	66 39	55 40	52 31	58 36	49 30	45 36	45 35	42 35	39 30	42 23	46 30	60 40	44 23	47 25	51 28	56 31	59 48	49 29	42 30	39 32	34 19	33 16	47.5 30.5
NORTHERN EASTERN SHORE	05																																	
CHESTERTOWN	23	MAX MIN	50 36	45 32	44 27	44 33	42 32	45 34	46 29	49 30	62 33	57 43	51 38	58 40	47 37	45 37	59 36	42 35	42 34	40 27	47 30	57 37	52 36	48 27	49 32	56 32	58 50	55 34	43 28	36 33	35 20	28 17	46 16	47.7 32.4
MILLINGTON 1 SE	18	MAX MIN	52 37	45 38	45 24	45 31	45 31	45 36	46 25	49 28	63 31	59 40	52 41	58 35	58 36	46 35	59 35	61 36	42 35	41 28	50 23	58 37	56 41	47 23	51 30	53 29	57 43	43 32	35 26	28 17	45 12	49.5 31.7		
NORTHERN CENTRAL	06																																	
ABERDEEN PHILLIPS FLD	16	MAX MIN	50 33	48 39	42 27	43 35		49 28	47 30	58 33	58 41	52 43			46 36	50 34	50 36	41 37	40 28			45 42	45 25	50 32	52 34				38 33	33 29	31 17	43 18	46.0 32.3	
BALTIMORE WSO CI	MID	MAX MIN	51 38	46 35	43 31	42 33	42 31	43 33	50 28	50 35	64 38	59 48	54 43	62 41	49 36	45 36	48 34	40 33	38 28	42 30	46 36	57 40	54 36	46 32	53 35	53 35	58 45	55 37	43 32	39 30	32 18	32 17	47 24	47.8 33.7
BENSON POLICE BARRACKS	17	MAX MIN	45 30	47 32	46 23	41 26	41 26	46 29	50 23	48 25	60 26	56 35	54 36	58 36	53 32	47 29	49 30	42 30	42 27	48 21	51 31	51 35	48 20	52 27	53 25	58 38	57 36	43 22	41 27	33 23	31 10	44 8	47.9 26.9	
BOYDS 2 NW	18	MAX MIN	48 32	45 34	42 26	41 33	38 29	41 33	46 24	49 32	65 36	61 47	52 38	52 34	48 36	44 31	41 35	39 32	39 25	43 28	54 36	55 36	46 28	49 31	55 33	56 44	55 40	41 28	40 31	32 26	31 17	43 20	46.2 31.9	
CATOCTIN MOUNTAIN PARK	17	MAX MIN	42 34	39 29	38 28	35 30	33 26	35 29	42 22	42 23	56 36	58 42	47 34	52 35	47 31	40 29	40 31	34 27	34 26	33 23	39 24	46 34	53 33	41 28	45 29	49 31	57 36	54 34	43 27	33 27	29 19	33 15	37 8	42.1 28.3
CLARKSVILLE 3 NNE	17	MAX MIN	50 29	47 36	43 24	42 29	41 30	44 34	43 19	50 25	65 27	61 34	53 40	59 31	47 34	44 33	45 36	38 35	39 26	45 20	57 37	54 40	46 20	51 27	57 26	57 41	44 24	57 37	44 31	40 32	33 16	44 10	47.5 29.5	
CONOWINGO DAM	MID	MAX MIN	54 27	46 27	47 23	45 29	44 28	48 27	50 24	47 26	56 27	53 33	53 30	60 30	48 29	38 30	50 30	43 29	48 21	43 22	48 22	48 32	47 28	44 20	50 27	54 26	54 37	49 28	43 23	37 27	37 18	44 12	47.2 25.9	
DAMASCUS 2 SW	19	MAX MIN	47 34	44 34	41 28	38 32	37 28	41 31	45 25	48 33	63 38	60 47	50 38	55 30	48 34	42 31	42 34	40 32	36 24	39 26	42 26	53 35	54 36	45 29	48 31	53 33	56 45	55 38	40 29	35 30	31 23	29 15	42 19	45.1 31.6
EMMITSBURG 2 SE	17	MAX MIN	50 35	44 35	41 31	40 32	39 30	42 33	46 21	44 26	59 26	57 42	52 35	56 33	51 35	45 29	39 35	38 32	39 24	43 23	48 35	56 38	42 22	49 30	52 26	54 39	53 40	40 26	35 30	32 27	32 16	33 9	45.0 29.9	
FREDRICK POLICE BRKS	17	MAX MIN	49 38	48 37	43 30	43 33	40 31	42 35	41 30	47 30	63 33	63 44	62 40	57 30	55 39	46 35	46 35	43 36	38 34	40 29	50 29	51 37	48 30	45 26	56 34	55 33	56 40	57 40	48 26	42 30	35 29	32 18	40 15	47.8 33.1
ROCKVILLE 1 NE	17	MAX MIN	49 34	42 32	43 28	40 32	38 30	42 29	46 24	50 28	67 38	58 44	56 40	58 38	46 33	42 33	43 36	39 34	38 32	38 26	42 31	58 37	54 32	45 23	50 32	56 32	58 50	56 36	41 28	36 32	33 17	47 16	46.5 31.5	
TOWSON	18	MAX MIN OBS	60 33 31	59 31 27	48 26 26	45 26 25	44 25	44 25	48 29	46 26	62 28	60 27	62 32	60 34	53 33	45 31	49 30	50 32	48 28	40 26	48 25	55 25	54 38	53 25	50 25	58 35	64 25	42 38	41 30	33 26	30 14	45 16	50.0 27.9	
UNIONVILLE	18	MAX MIN	48 33	48 37	43 28	42 21	40 29	43 33	40 12	48 21	65 25	54 27	52 27	56 26	55 29	46 27	39 26	43 26	36 23	39 21	41 20	50 27	49 30	45 19	50 27	49 27	55 30	50 24	48 30	42 20	34 15	32 18	48 25	46.1 25.4
WESTMINSTER POLICE BRK	17	MAX MIN	45 34	45 31	41 26	40 29	39 27	39 29	43 24	48 29	62 31	63 44	51 35	53 34	50 32	42 29	51 30	46 28	37 23	36 23	44 25	51 31	55 29	44 23	47 28	53 29	57 39	53 35	42 27	40 32	29 11	40 14	45.7 28.7	
WOODSTOCK	18	MAX MIN	49 33	46 35	42 27	40 30	40 32	43 32	47 22	48 27	64 30	59 45	53 40	59 36	50 35	45 30	46 35	45 33	38 32	40 27	44 24	54 36	52 38	47 22	50 30	56 30	57 42	57 42	42 32	38 27	33 16	42 13	47.1 31.2	
APPALACHIAN MOUNTAIN	07																																	
CUMBERLAND 2	18	MAX MIN	44 34	42 32	39 32	40 31	36 32	41 22	40 22	49 30	58 32	59 37	56 38	54 36	46 31	46 33	44 32	44 29	35 26	38 26	43 29	57 36	57 21	40 22	50 29	50 29	51 41	51 30	41 32	37 31	35 19	34 15	33 16	44.8 29.2

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DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
DECEMBER 1987

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE	
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
FROSTBURG 2	07	MAX MIN	35 33	38 28	32 26	34 26	34 24	28 24	29 17	35 18	49 31	55 37	51 34	49 34	46 30	32 28	40 29	41 25	26 23	26 20	35 19	37 32	54 30	35 22	35 22	40 31	46 29	55 38	38 28	37 28	32 12	29 13	23 13	37 26	9 4
HAGERSTOWN	18	MAX MIN	46 36	43 33	41 30	40 33	39 29	40 31	44 22	48 31	62 31	57 44	53 35	57 39	46 36	45 32	42 35	39 31	37 31	39 26	40 30	47 38	54 32	49 25	49 34	51 29	54 42	53 39	40 28	38 31	33 21	33 16	32 11	44 31	9 0
HANCOCK FRUIT LAB	16	MAX MIN	47 36	45 34	44 30	40 33	39 32	40 34	44 18	48 27	57 26	56 38	53 30	56 39	52 36	46 28	44 33	40 30	38 32	39 27	45 22	58 36	51 37	43 17	50 32	52 23	53 40	52 40	43 27	42 30	36 27	34 18	33 9	45 29	8 7
ALLEGHENY PLATEAU	08																																		
MC HENRY 2 NW	08	MAX MIN	32 30	33 25	28 23	35 23	30 21	24 21	27 17	40 23	56 38	53 35	48 32	45 32	44 28	30 24	39 27	50 22	24 21	25 18	30 18	40 18	52 27	34 22	40 24	38 30	52 31	53 32	34 27	36 27	30 23	25 10	32 12	37 24	4 5
OAKLAND 1 SE	17	MAX MIN	45 31	31 25	38 18	36 28	33 21	28 17	41 5	56 29	57 29	54 37	49 30	46 35	40 28	40 24	55 32	49 22	26 23	30 19	36 14	54 35	52 28	42 13	40 31	54 23	55 39	55 30	55 30	40 27	32 18	25 12	42 3	43 24	1 4
SAVAGE RIVER DAM	08	MAX MIN	39 36	42 31	35 26	37 26	37 27	31 27	33 14	38 14	46 31	54 32	52 33	49 32	48 34	37 28	44 33	49 28	31 26	31 24	38 21	40 35	58 33	40 19	37 20	43 26	43 23	60 39	42 32	42 30	34 29	31 17	28 10	40 27	9 0
DELAWARE																																			
NORTHERN	01																																		
MIDDLETOWN 3 E	17	MAX OBS MIN OBS	51 33 38	44 23	42 23	43 32	41 30	44 34	47 24	49 29	66 31	57 42	50 41	56 36	48 36	45 34	55 33	55 33	40 33	38 26	41 24	57 36	55 36	46 25	48 30	54 29	57 38	56 39	42 28	37 32	34 23	25 14	44 12	47 30	3 8
NEWARK UNIVERSITY FARM	17	MAX MIN OBS	52 33 22	48 35	45 24	45 33	42 28	44 29	47 24	48 30	61 30	58 42	51 39	58 31	51 27	45 31	52 31	53 32	41 24	38 27	47 24	54 35	51 38	48 24	49 28	52 26	58 29	45 34	42 26	39 32	31 25	27 12	44 9	47 28	8 8
WILMINGTON WSO AP	MID	MAX MIN	50 34	44 31	44 26	45 36	41 31	44 32	47 25	48 31	62 31	58 38	52 40	57 39	47 33	45 34	54 35	44 34	40 30	38 27	47 29	55 37	50 33	45 24	48 32	51 29	58 44	54 31	42 27	38 32	32 18	23 14	43 13	46 30	6 6
WILMGTON PORTER RESVR	MID	MAX MIN	51 36	45 33	42 28	45 36	40 30	43 33	45 26	48 33	60 37	58 44	52 38	55 40	45 34	44 34	53 35	46 34	39 32	38 27	45 30	54 37	50 35	46 29	47 33	50 32	56 44	54 33	40 29	38 31	31 17	33 13	42 15	46 31	3 9
SOUTHERN	02																																		
DOVER	17	MAX OBS MIN	61 35 37	48 27	45 24	50 33	45 31	45 31	48 27	57 34	67 34	64 48	55 41	58 36	54 34	48 33	51 34	65 34	43 34	40 31	46 29	60 44	57 42	48 30	51 38	48 38	60 44	57 40	44 26	40 37	43 29	31 15	49 12	50 33	9 4
GEORGETOWN 5 SW	08	MAX MIN	54 34	52 40	47 21	48 30	47 36	42 31	45 25	47 27	52 32	66 45	64 42	57 35	59 36	48 30	47 37	61 38	43 34	42 29	46 22	52 39	62 44	46 25	49 30	50 28	56 36	61 41	52 29	44 30	40 32	33 17	30 12	49 31	8 8
GREENWOOD 2 NE	18	MAX MIN	51 36	45 32	48 23	47 32	43 32	46 34	49 25	50 28	66 32	62 43	53 36	58 37	51 39	46 33	65 37	55 37	42 33	41 25	49 26	61 38	56 34	51 26	50 33	57 29	60 41	59 42	44 29	40 33	37 27	28 18	46 14	50 31	2 7
LEWES	17	MAX MIN	53 36	46 40	47 26	47 36	44 32	43 35	43 30	53 30	68 37	60 49	51 41	60 39	52 40	47 34	58 37	63 38	41 35	37 29	52 26	62 41	55 42	55 27	47 35	54 30	61 47	59 41	44 36	40 32	41 28	28 17	47 17	50 34	3 3
MILFORD 4 SE	17	MAX MIN	51 36	46 39	46 24	46 33	42 31	44 35	46 29	51 29	66 32	61 47	51 42	57 36	53 36	47 35	60 37	63 36	41 35	39 28	49 24	60 39	56 40	48 26	49 34	54 29	60 40	58 40	44 28	39 32	39 26	26 16	46 14	49 32	6 5

SEE REFERENCE NOTES FOLLOWING STATION INDEX

SNOWFALL AND SNOW ON GROUND (INCHES)

MARYLAND AND
DELAWARE
DECEMBER 1987

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 AP																																
SNOW HILL 4 N																																
CENTRAL EASTERN SHORE	02																															
DENTON 2 E																																
ROYAL OAK 2 SSW																																
LOWER SOUTHERN	03																															
LA PLATA 1 W																																
UPPER SOUTHERN	04																															
ANNAPOLIS POLICE BRKS																																
BALTIMORE WSO AP																																
BELTSVILLE																																
NORTHERN EASTERN SHORE	05																															
CHESTERTOWN																																
NORTHERN CENTRAL	06																															
ABERDEEN PHILLIPS FLD																																
CATOCTIN MOUNTAIN PARK																																
DAMASCUS 2 SW																																
EMMITSBURG 2 SE																																
FREDRICK POLICE BRKS																																
ROCKVILLE 1 NE																																
UNIONVILLE																																
WOODSTOCK																																

SNOWFALL: INCLUDES SNOW AND ICE
SNOW ON GROUND: INCLUDES SNOW, SLEET, ICE AND HAIL
WATER EQUIVALENT: GIVEN FOR NWS STATIONS 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 1987

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
APPALACHIAN MOUNTAIN	07																															
CUMBERLAND 2					1.0													1.0														
	SNOWFALL				1													1														
	SN ON GND																															
FROSTBURG 2		3.0	T	3.0	3.0	2.5	T							T			2	T	5.0	1.0	T				1.5							
	SNOWFALL																		5	5	5	4	1	T		1	T					
	SN ON GND	2	1	2	5	7	6	4	2	T							T								1	T						
HANCOCK FRUIT LAB																		T														
	SNOWFALL																															
	SN ON GND																															
ALLEGHENY PLATEAU	08																															
MC HENRY 2 NW		T	4.0	T	5.0	3.0	1.5											2.0	2.0	T					2.5							
	SNOWFALL		3	3	6	8	9	8	6	2								2	4	3	T				2							
	SN ON GND	T																														
OAKLAND 1 SE		T	5.0	T	3.5	2.0												1.0	5.0						2.3							
	SNOWFALL																															
	SN ON GND		5	3	6	8	8	6	2	T								1	6	6	2				1							
SAVAGE RIVER DAM																																
	SNOWFALL																															
	SN ON GND	1.0		1.0	1.0	1.0												1.0	T	T					1.0							
		1		1	1	1												1	T	T					1							
DELAWARE																																
NORTHERN	01																															
MIDDLETOWN 3 E																																
	SNOWFALL																															
	SN ON GND																															
NEWARK UNIVERSITY FARM																																
	SNOWFALL																															
	SN ON GND																															
WILMINGTON WSO AP																																
	SNOWFALL																															
	SN ON GND																															
	WTR EQUIV																															
SOUTHERN	02																															
DOVER																																
	SNOWFALL																															
	SN ON GND																															
GEORGETOWN 5 SW																																
	SNOWFALL																															
	SN ON GND																															
LEWES																																
	SNOWFALL																															
	SN ON GND																															
MILFORD 4 SE																																
	SNOWFALL																															
	SN ON GND																															

SNOWFALL: INCLUDES SNOW AND ICE

SNOW ON GROUND: INCLUDES SNOW, SLEET, ICE AND HAIL

WATER EQUIVALENT: GIVEN FOR NWS STATIONS ONLY, WHEN SNOW DEPTH IS 2 INCHES OR MORE.

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
DECEMBER 1987

OBSERVATION TIME AND TABLES												OBSERVER
STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	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	25	17	17		C	H	ANNAPOLIS POLICE BRKS
ASSATEAGUE ISLAND NATL	033301	SE	WORCESTER	38 14	75 8W	7	07	07		C	H	NATIONAL PARK SERVICE
BALTIMORE WSO AP	046504	R	ANNE ARUNDEL	39 11	76 40W	196	MID	MID		C	H	NATL WEATHER SERVICE
BALTIMORE WSO CI	047006	R	BALTO CITY	39 17	76 37W	91	MID	MID		C	H	OCMI COMMANDING OFFICER
BELTSVILLE	070004		PRN GEORGES	39 2	76 53W	120	08	08	08	C	H	U S DEPT OF AGRICULTURE
BENSON POLICE BARRACKS	073206		HARFORD	39 30	76 23W	365	17	17		C	H	MARYLAND STATE POLICE
BOYDS 2 NW	103206		MONTGOMERY	39 13	77 20W	580	18	18				HUNTER F STALEY
BRIGHTON DAM	112506		MONTGOMERY	39 12	77 1W	330		MID				WASH SUB SANY COMM
CAMBRIDGE WTR TRMT PL	138502		DORCHESTER	38 34	76 4W	5	16	16		C	H	WASTEWATER TRMT PLANT
CATOCTIN MOUNTAIN PARK	153006		FREDERICK	39 39	77 29W	1610	17	17		C	H	CATOCTIN MOUNTAIN PARK
CENTREVILLE	162705		QUEEN ANNES	39 3	76 4W	60	17	17		C	H	INACTIVE 02/01/86
CHESTERTOWN	175005		KENT	39 13	76 4W	40	23	23		C	H	THOMAS W ELIASON JR
CLARKSVILLE 3 NNE	186206		HOWARD	39 15	76 56W	365	17	17		C	H	UNIVERSITY OF MARYLAND
COLLEGE PARK	199504		PRN GEORGES	38 59	76 57W	90	09	09		C	H	UNIVERSITY OF MARYLAND
CONOWINGO DAM	206006		HARFORD	39 39	76 10W	40	MID	MID		C	H	SUSQUEHANNA ELECTRIC CO
CRISFIELD SOMERS COVE	221501		SOMERSET	37 59	75 52W	8	17	17				SOMERS COVE MARINA
CUMBERLAND 2	228207		ALLEGANY	39 38	78 45W	730	18	07		H		TIMOTHY B THOMAS
DALECARLIA RESVR D C	232504			38 56	77 7W	146	17	17		H		U S CORPS OF ENGINEERS
DAMASCUS 2 SW	233506		MONTGOMERY	39 16	77 14W	720	19	19		H		RICHARD W SCHWERT
DENTON 2 E	252302		CAROLINE	38 53	75 48W	50	17	17		H		ARTHUR REINHOLD
EDGE MONT	277007		WASHINGTON	39 40	77 33W	905		07		H		JOHN W HARNE
EMMITTSBURG 2 SE	290606		FREDERICK	39 41	77 18W	416	17	17		H		MRS LUCILLE K BEALE
FREDRICK POLICE BRKS	334806		FREDERICK	39 25	77 26W	380	17	17		H		MARYLAND STATE POLICE
FREDERICK 3 E	335506		FREDERICK	39 24	77 22W	385		07		H		MISS I MARY STALEY
FROSTBURG 2	341507		ALLEGANY	39 40	78 56W	2170	07	07		H		LEE K CLOSE
GLENN DALE BELL STN	367504		PRN GEORGES	38 58	76 48W	150	16	16		H		USDA PLT INTRODUCT STN
HAGERSTOWN	397507		WASHINGTON	39 39	77 44W	660	18	18		C	H	HAGERSTOWN RESERVOIR
HANCOCK FRUIT LAB	403007		WASHINGTON	39 42	78 11W	428	16	16		C	H	SHARPSBURG RESEARCH C
LA PLATA 1 W	508003		CHARLES	38 32	77 0W	140	18	18		C	H	C RUSSELL LEVERING
LAUREL 3 W	511104		PRN GEORGES	39 6	76 54W	400	MID	MID		C	H	WASH SUB SANY COMM
MC HENRY 2 NW	583208		GARRETT	39 35	79 22W	2680	08	08		C	H	JOSEPH F JOHENNING
MECHANICSVILLE 1 E	586503		ST MARYS	38 27	76 41W	100	19	19		C	H	SANDRA J HASTING
MERRILL	589408		GARRETT	39 36	79 5W	1790		09		H		DELWOOD E MERRILL
MILLINGTON 1 SE	598505		KENT	39 16	75 52W	30	18	18		H		HOWARD L HARVEY
NATIONAL ARBORETUM D C	635004			38 54	76 59W	50	08	08		H		U S NATL ARBORETUM
OAKLAND 1 SE	662008		GARRETT	39 24	79 24W	2420	17	17		H		BEA J CROSCO
OWINGS FERRY LANDING	677003		CALVERT	38 41	76 40W	160	17	17		C	H	JAMES C RASHUSSEN
PATUXENT RIVER	691503		ST MARYS	38 20	76 25W	38	MID	MID		C		NAVAL WEATHER SERVICE
POTOMAC FILTER PLANT	727206		MONTGOMERY	39 2	77 15W	270		08		C	H	POTOMAC WATER FILT PLT
PRINCESS ANNE	733001		SOMERSET	38 13	75 41W	20	17	17		H		UNIVERSITY MARYLAND EAST
ROCKVILLE 1 NE	770506		MONTGOMERY	39 6	77 6W	440	17	17		H		WASH GAS & LIGHT CO
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 AP	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	U S CORPS OF ENGINEERS
SNOW HILL 4 N	838001		WORCESTER	38 14	75 23W	28	18	18		H		CURTIS E SHOCKLEY
TOWSON	887706		BALTIMORE	39 23	76 34W	390	18	18		C	H	BENDIX FRIEZ
UNIONVILLE	903006		FREDERICK	39 27	77 11W	430	18	18		C	H	CAROLINE R VON EIFF
UPPER MARLBORO 3 NNW	907004		PRN GEORGES	38 52	76 47W	98	08	08	08	C	H	TOBACCO EXP FARM
VIENNA	914002		DORCHESTER	38 29	75 50W	12	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	460	18	18		H		JOHN A HILTZ

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
DECEMBER 1987

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER
							LOCAL STD TIME				
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)	
DELAWARE											
DOVER	2730	002	KENT	39 9	75 31W	30	17	17		H	STATE DIV OF HIGHWAYS
GEORGETOWN 5 SW	3570	002	SUSSEX	38 38	75 27W	45	08	08	08	C	UNIV OF DEL SUBSTATION
GREENWOOD 2 NE	3595	002	SUSSEX	38 50	75 35W	45	18	18			DANIEL M SWARTZENTRUBER
LEWES	5320	002	SUSSEX	38 46	75 8W	15	17	17		H	BOARD OF PUBLIC WORKS
MIDDLETOWN 3 E	5852	001	NEW CASTLE	39 27	75 40W	55	17	17		H	DAVID S NEYHARD
MILFORD 4 SE	5915	002	SUSSEX	38 54	75 28W	30	17	17		H	DAVID S SCHLOTT
NEWARK UNIVERSITY FARM	6410	001	NEW CASTLE	39 40	75 44W	90	17	17	17	C	UNIV OF DELAWARE
WILMINGTON WSO AP	9595	001	NEW CASTLE	39 40	75 36W	79	MID	MID		C	NATL WEATHER SERVICE
WILMGTN PORTER RESVR	9605	001	NEW CASTLE	39 46	75 32W	274	MID	MID		H	WATER DEPARTMENT

SEE REFERENCE NOTES FOLLOWING STATION INDEX

REFERENCE NOTES

MARYLAND AND
DELAWARE
DECEMBER 1987

DEFINITIONS

STATION NAMES: Name of the city, town or locality. Figures and letters following the station names indicate the distance in miles and direction from the post office or town community center.

DIVISIONS: Areas within a state of similar climatological characteristics. Division averages are calculated using data from stations that record both temperature and precipitation (ie: not precipitation alone).

NORMALS: The average value of the meteorological element over a time period. Effective 1 January 1983, the averaging period is 1951 to 1980. The normals for National Weather Service localities have been adjusted so as to be representative for the current observation site.

MONTHLY DEGREE DAY TOTALS: One heating (cooling) degree day is accumulated for each whole degree that the daily mean temperature is BELOW (ABOVE) 65 degrees Fahrenheit.

PRECIPITATION: Values shown in hundredths of inches are water equivalent totals, i.e. total of liquid and melted frozen precipitation. In the "MONTHLY SUMMARIZED DATA" table the total snow and sleet values shown in tenths of inches are unmelted amounts. The max. depth on ground values of snow and sleet shown in whole inches are cumulative unmelted amounts. The no. of days with .10, .50, 1.00 or more refers to water equivalents.

TEMPERATURE: Original and edited temperature values are given in the Daily Temperature Table. Edited values are produced when an original value is missing or when surrounding stations indicate a suspect original value. When a line labeled OBS is present and contains either a daily temperature (suspect) or *** (missing), the temperature appearing directly above, on the line labeled MAX or MIN, is an edited value. Summary temperature information (averages, departures, extremes, monthly degree day totals) is based on the values labeled MAX/MIN.

WIND: (As shown in "Evaporation and Wind" table) The total wind movement in miles over the evaporation pan as determined by an anemometer recorder located 6-8 inches above the pan.

SYMBOLS AND LETTERS USED IN THE STATION INDEX TABLE

- # Thermometers located in a rooftop shelter.
- // Rain Gage equipped with a windshield.
- AR Observation made "after rain" has occurred.
- C Station is equipped with recording rain gage (R) but values in this bulletin are from a non-recording rain gage unless indicated by an R.
- G Observations appear in "Soil Temperatures" table.
- H Observations appear in "Snowfall and Snow on Ground" table.
- J Station also published as a Local Climatological Data publication.
- MID Observation time is midnight.
- MO Rain gage read once monthly, usually the last day.
- OC Rain gage readings vary from a few weeks to several months.
- R Amounts from recording rain gage.
- SR Observation time near sunrise.
- SS Observation time near sunset.
- VAR Observation time varies.
- WI Rain gage read weekly or irregularly.
- WM Rain gage read weekly and last day of month.

SYMBOLS AND LETTERS USED IN THE DATA TABLES

(DAILY DATA ARE FOR THE 24 HOURS IMMEDIATELY PRECEDING OBSERVATION TIME.)

BLANK entries in the "Monthly Summarized Data" table indicate no record. BLANK entries in the "Daily Precipitation" and "Snowfall and Snow on Ground" tables indicate zero.

BLANK entries in the "Daily Temperature" table indicate a missing record where an edited value could not be determined. (See *** below)

- No record. Data not recorded, determined unreliable by quality control checks, or not received in time for publication.

+ Precipitation or temperature extremes occurred on one or more previous dates during the month.

*** Missing original temperature which has been estimated during edit.

* Rain gage not read. Precipitation is included in the amount following the asterisks. Time distribution not known. A * preceding the monthly total indicates precipitation amount is being carried forward to next months total, and may include amounts from the previous month(s).

// Rain gage equipped with a windshield.

A Amount of precipitation is the total of observer's entries for the current month. It may include precipitation that occurred during the previous month. Refer to earlier bulletin to determine date of last reading. (HAWAII stations)

B Adjusted monthly value (estimated), (1-7 missing values for wind and evaporation).

M Insufficient or partial data. M is appended to average and/or total values computed with 1-9 daily values missing. M appears alone if 10 or more daily values are missing, (8 or more for wind and evaporation).

R Amounts from recording rain gage.

T Trace. An amount too small to measure.

V Includes total for previous month(s). (See * above)

Seasonal Tables: Monthly and seasonal snowfall and heating degree days for the 12 months ending with the June data are published in the July issue of this bulletin. Cooling degree days for the calendar year are published in the "Climatological Data Annual Summary".

The graphic displays appearing in this publication were first produced for the January 1987 data month. The types of graphs and the information they portray may vary from month to month and from state to state in order to highlight climatic features of state, regional, and seasonal interest. Some graphs present information for "clusters". A cluster is a group of up to four (4) adjacent divisions that comprise an area of similar climate.

Information concerning the history of changes in locations, exposure, etc. of substations is kept on file at the National Climatic Data Center. Historical information for regular National Weather Service Offices may be obtained from the "Local Climatological Data" annual publication. The contents of this publication may be reprinted or otherwise used freely, with proper credit to the National Climatic Data Center, Asheville, North Carolina.

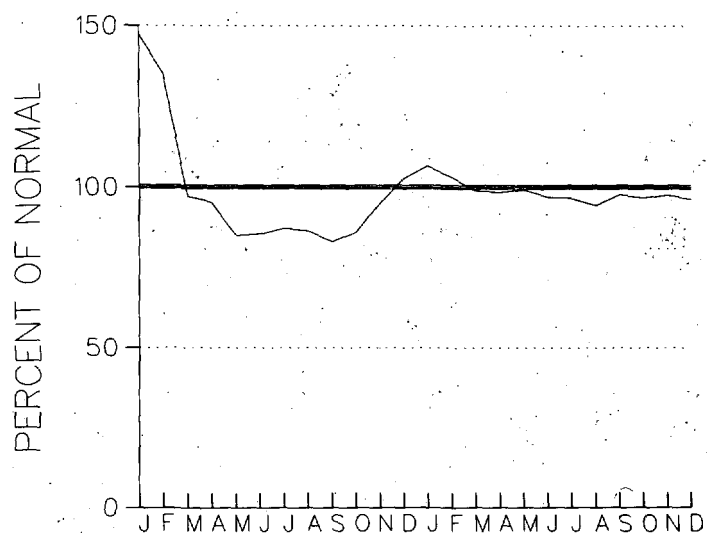
SUBSCRIPTION, PRICE AND ORDERING INFORMATION AVAILABLE FROM:
NATIONAL CLIMATIC DATA CENTER
FEDERAL BUILDING
ASHEVILLE, NC 28801-2696

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

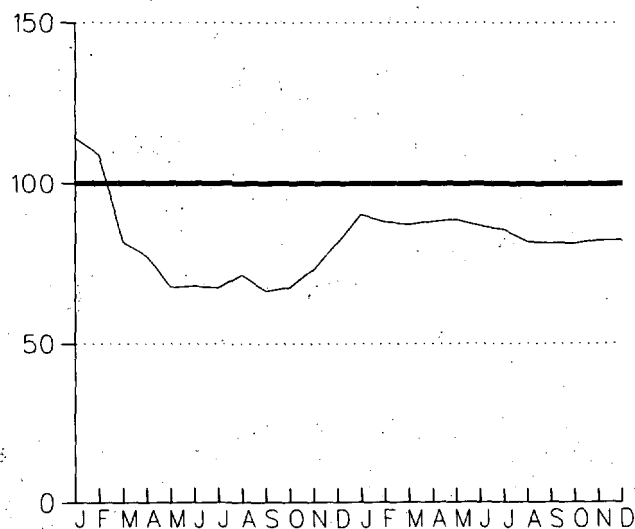
CUMULATIVE PRECIPITATION DEPARTURES FROM NORMAL (1951-1980) FOR THE LAST 24 MONTHS ENDING DECEMBER 1987 DELAWARE

CLUSTER 1 - DIVISION(S):
 NORTHERN 01

CLUSTER 2 - DIVISION(S):
 SOUTHERN 02



CLUSTER 1



CLUSTER 2

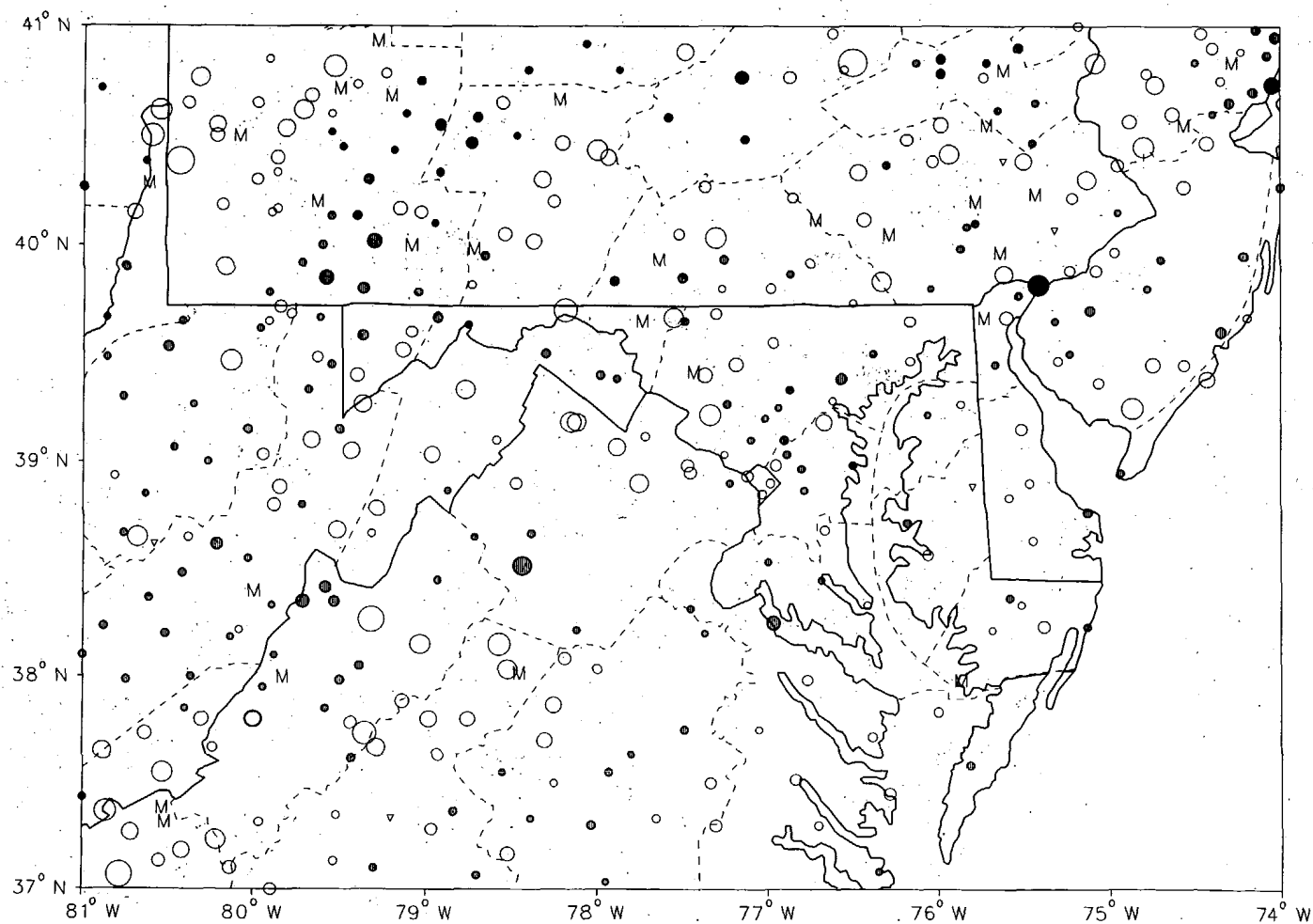
MONTHLY PRECIPITATION DEPARTURE FROM THE DIVISIONAL AVERAGE FOR DECEMBER 1987 MARYLAND & DELAWARE

M DENOTES INCOMPLETE DATA FOR THE MONTH

▽ ZERO DEPARTURE

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

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

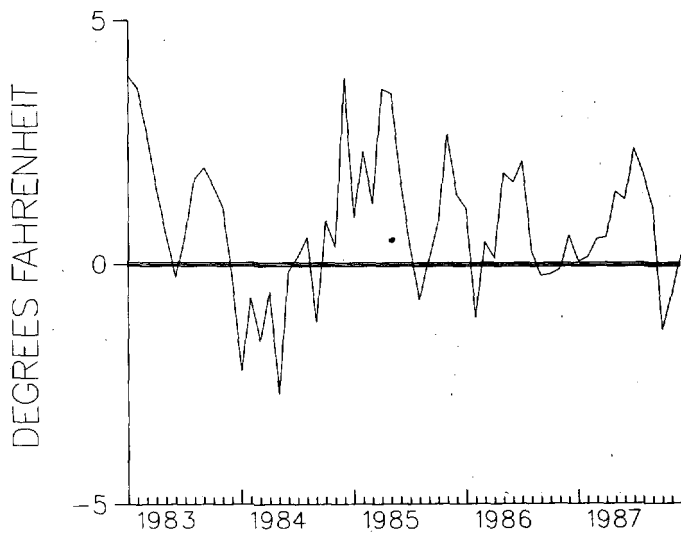


CIRCLE DIAMETER IS PROPORTIONAL TO DEPARTURE ON A CONTINUOUS SCALE

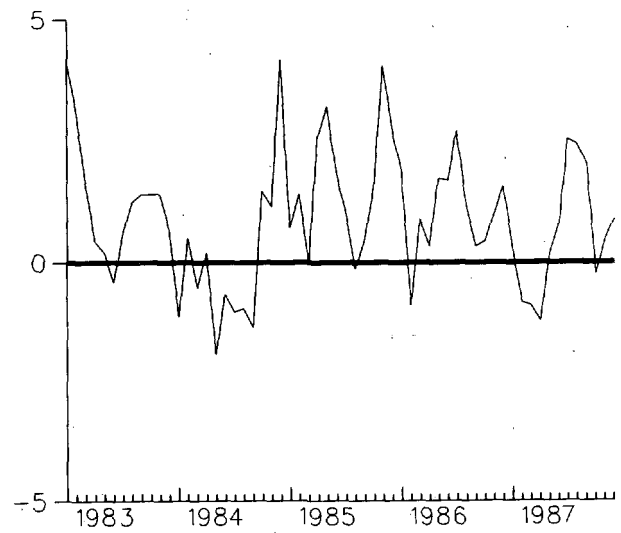
TEMPERATURE DEPARTURES FROM NORMAL (1951-1980)
THREE MONTH RUNNING MEAN
FOR THE 60 MONTHS ENDING WITH DECEMBER 1987 DATA
DELAWARE

CLUSTER 1 -DIVISION(S):
NORTHERN 01

CLUSTER 2 -DIVISION(S):
SOUTHERN 02



CLUSTER 1



CLUSTER 2

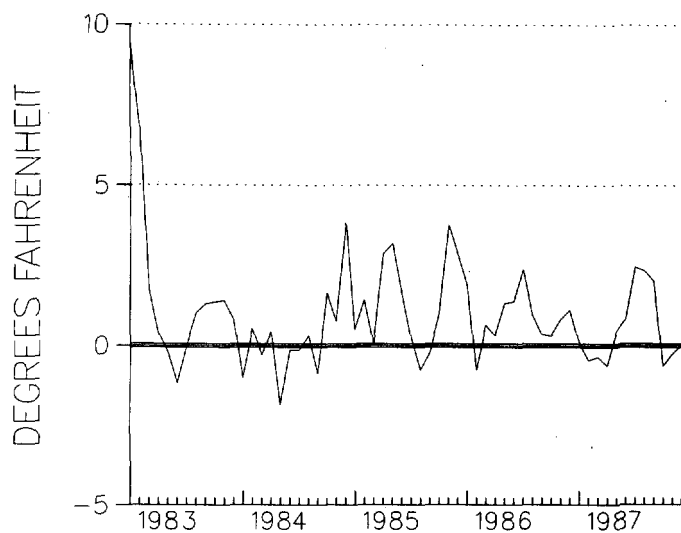
TEMPERATURE DEPARTURES FROM NORMAL (1951-1980) THREE MONTH RUNNING MEAN FOR THE 60 MONTHS ENDING WITH DECEMBER 1987 DATA MARYLAND

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

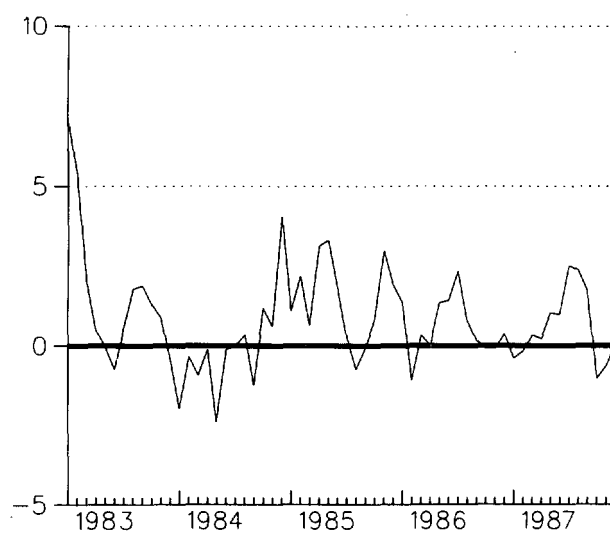
CLUSTER 2 -DIVISION(S):
UPPER SOUTHERN 04
NORTHERN EASTERN SHORE 05

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

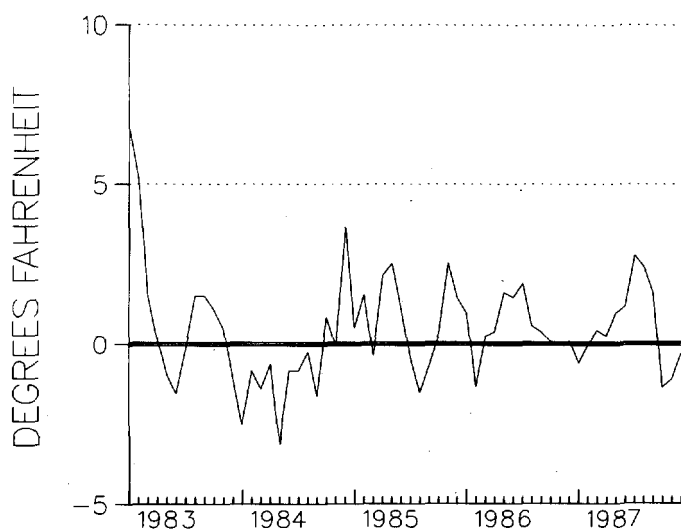
CLUSTER 4 -DIVISION(S):
ALLEGHENY PLATEAU 08



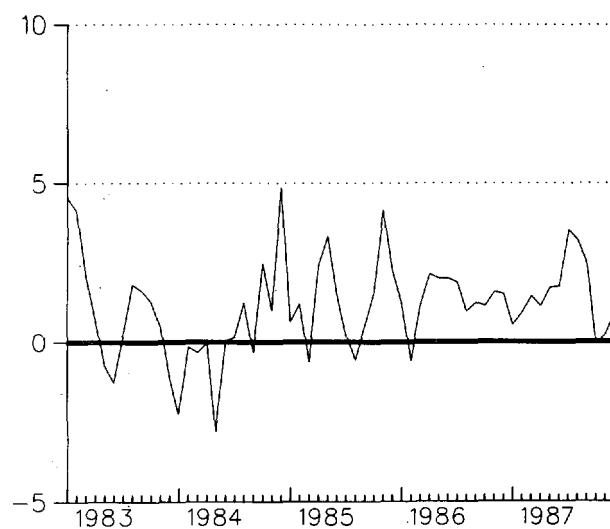
CLUSTER 1



CLUSTER 2



CLUSTER 3



CLUSTER 4

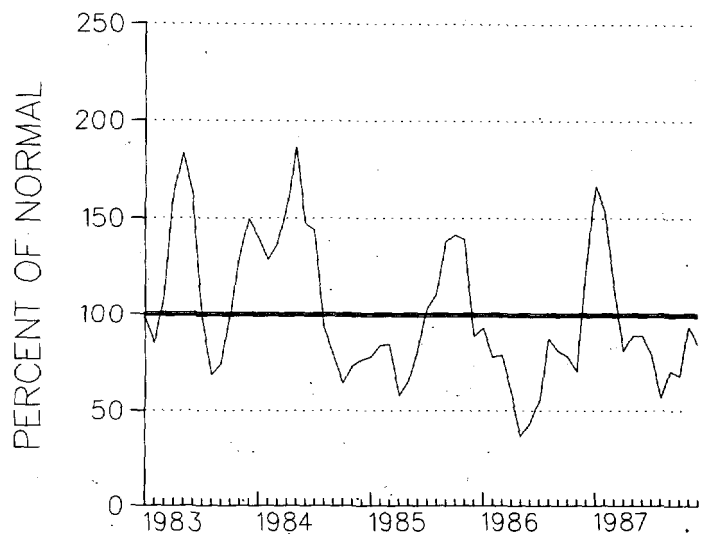
PRECIPITATION DEPARTURES FROM NORMAL (1951-1980) THREE MONTH RUNNING MEAN FOR THE 60 MONTHS ENDING WITH DECEMBER 1987 DATA MARYLAND

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

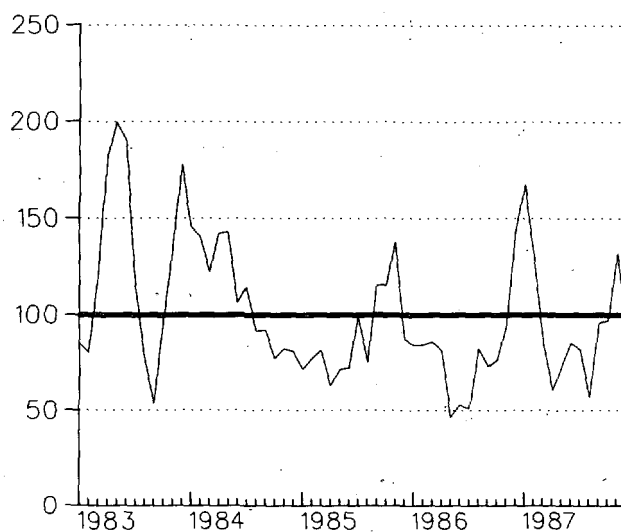
CLUSTER 2 - DIVISION(S):
 UPPER SOUTHERN 04
 NORTHERN EASTERN SHORE 05

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

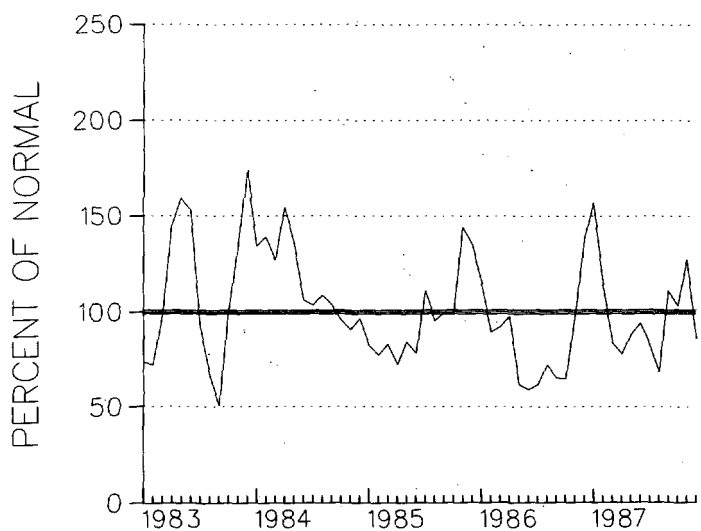
CLUSTER 4 - DIVISION(S):
 ALLEGHENY PLATEAU 08



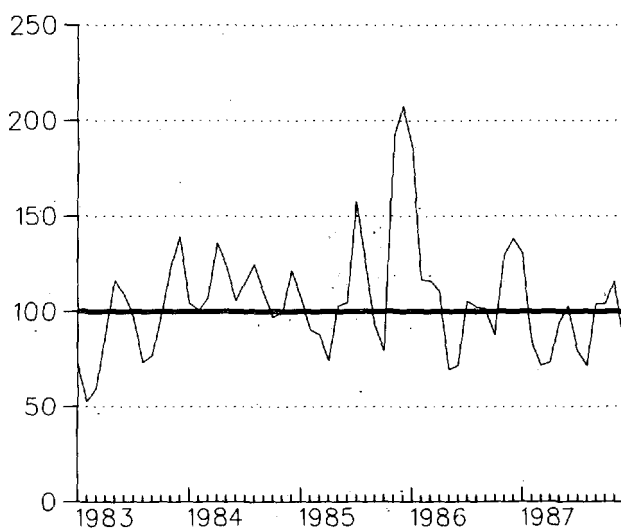
CLUSTER 1



CLUSTER 2



CLUSTER 3



CLUSTER 4

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DECEMBER
WITH ANNUAL SUPPLEMENT

VOLUME 35 NUMBER

NUMBER 13

LOCAL CLIMATOLOGICAL DATA

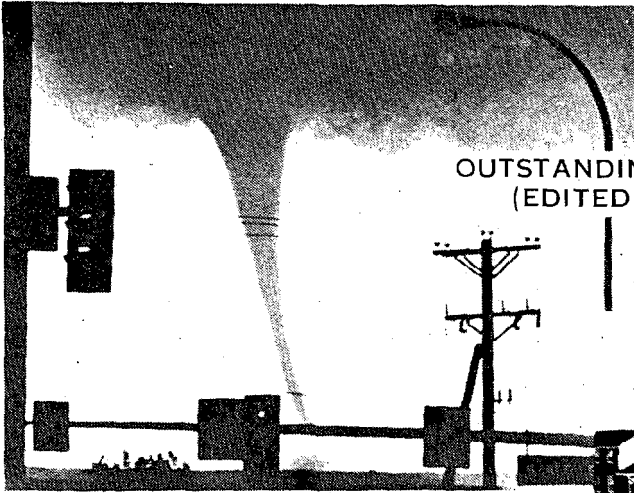
Monthly Summary

PREPARED IN CO-OPERATION WITH THE
WORLD METEOROLOGICAL ORGANIZATION

SEA-PORT TEMPERATURE (°C) - MEANS

THIS IS AN OFFICIAL PUBLICATION OF
THE WORLD METEOROLOGICAL ORGANIZATION
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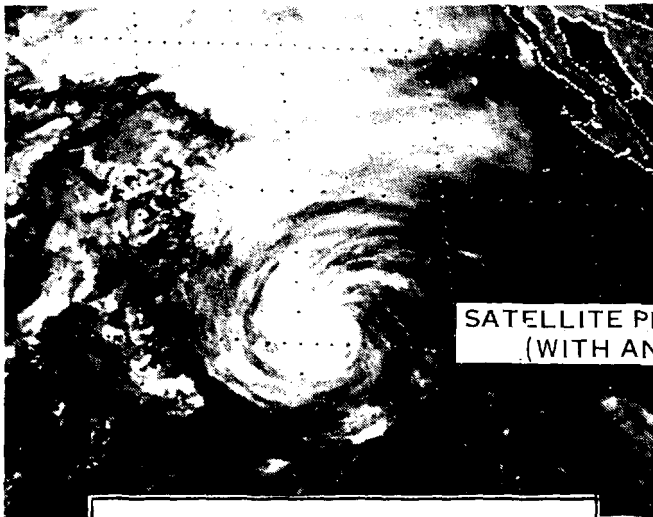
STORM DATA



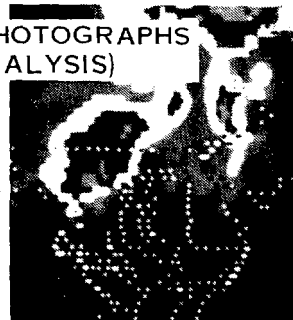
OUTSTANDING STORM OF THE MONTH
(EDITED BY DR. T.T. FUJITA)



DESCRIPTIVE PHOTOGRAPHS
(WITH NARRATIVE DETAILS)



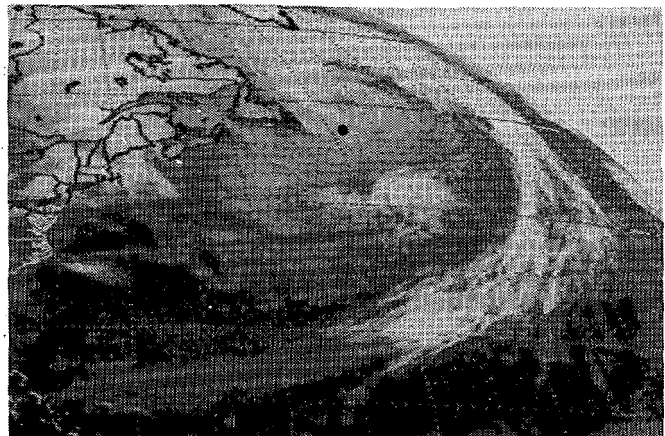
SATELLITE PHOTOGRAPHS
(WITH ANALYSIS)



A MONTHLY STATE BY STATE
SUMMARY OF DAMAGE, INJURY
AND DEATH STATISTICS

DETAILED INFORMATION
ON ALL REPORTED STORMS
AND UNUSUAL WEATHER
PHENOMENA

MAPS CLEARLY TRACE
STORM PROGRESSION



National Oceanic and Atmospheric Administration

NATIONAL CLIMATIC DATA CENTER

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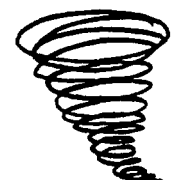
Call or write NCDC and explain your weather related problem.
Our meteorologists will provide the best possible solution.

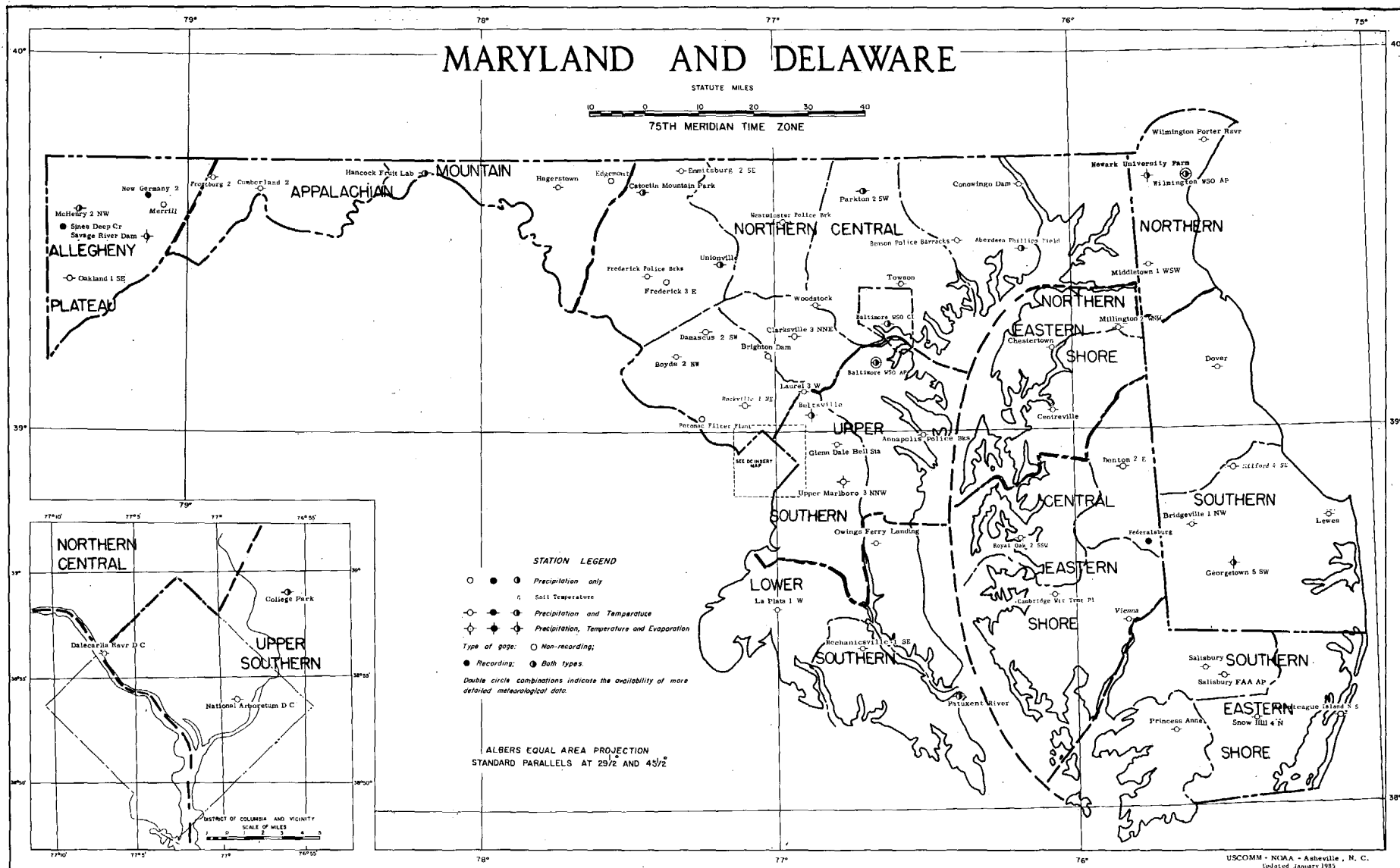


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VALIDATED BY:

Ted Burlew
Jan Carpenter
Betty Edstrom
Bruce Emory
Joyce Morgan
Betty Shuford

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