



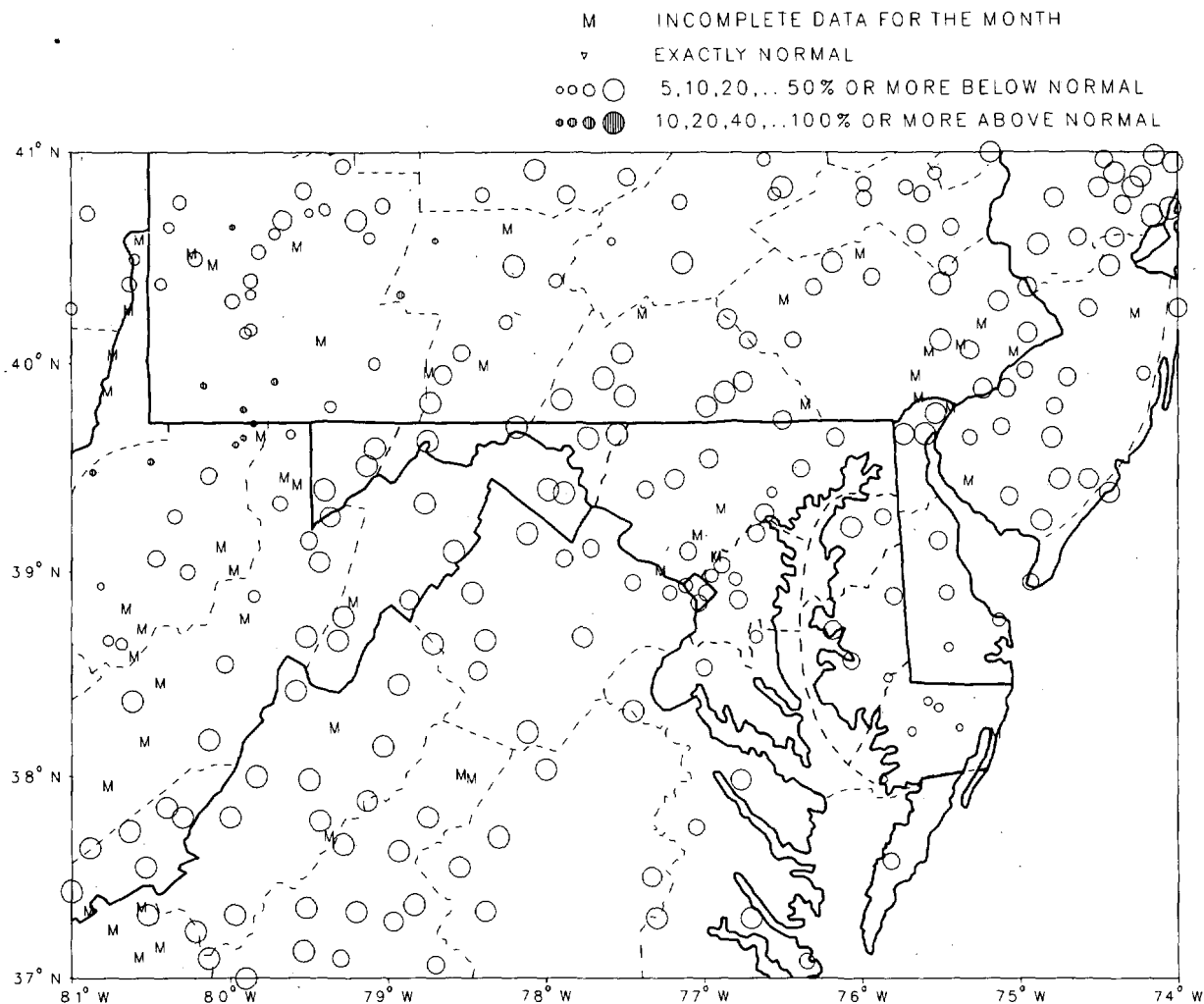
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CLIMATOLOGICAL DATA MARYLAND AND DELAWARE

MARCH 1988

VOLUME 92 NUMBER 3

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



CIRCLE DIAMETER IS PROPORTIONAL TO DEPARTURE ON A CONTINUOUS SCALE

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL
OCEANIC AND ATMOSPHERIC ADMINISTRATION AND IS COMPILED FROM
INFORMATION RECEIVED AT THE NATIONAL CLIMATIC DATA CENTER.

Kenneth D. Halpern

DIRECTOR, NATIONAL CLIMATIC DATA CENTER

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CLIMATIC DATA CENTER
ASHEVILLE NORTH CAROLINA

TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND AND
DELAWARE
MARCH 1988

MARYLAND
HIGHEST TEMPERATURE 81
LOWEST TEMPERATURE 11
GREATEST TOTAL PRECIPITATION 4.38
LEAST TOTAL PRECIPITATION 1.08
GREATEST 1 DAY PRECIPITATION 2.24
GREATEST TOTAL SNOWFALL 22.7
GREATEST DEPTH OF SNOW OR ICE 10

DELAWARE
HIGHEST TEMPERATURE 79
LOWEST TEMPERATURE 16
GREATEST TOTAL PRECIPITATION 3.48
LEAST TOTAL PRECIPITATION 1.82
GREATEST 1 DAY PRECIPITATION 2.25

MARCH 30+
MARCH 22

MARCH 26

MARCH 21

MARCH 25

MARCH 22

MARCH 27

2 STATIONS
3 STATIONS
SNOW HILL 4 N
HAGERSTOWN
SALISBURY FAA AP
FROSTBURG 2
MC HENRY 2 NW

NEWARK UNIVERSITY FARM
GEORGETOWN 5 SW
GEORGETOWN 5 SW
WILMINGTON WSO AP
GEORGETOWN 5 SW

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MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
MARCH 1988

STATION	TEMPERATURE (°F)													PRECIPITATION (IN)													
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	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 ISLAND NATL SE	55.5	37.3	46.4	1.5	71	30	23	23	567	0	0	0	11	0	3.70	-.34	1.77	26	M	M		8	2	1			
CRISFIELD SOMERS COVE	58.0	35.0	46.5	1.5	75	30	16	22	587	0	0	0	12	0	3.59	-.40	1.50	26	.0	.0		6	3	1			
PRINCESS ANNE	58.8	36.7	47.8	1.8	74	25	20	22	530	0	0	0	13	0	3.76	-.46	1.90	26	.0	.0		6	3	1			
SALISBURY	56.8	34.3	45.6	1.4	74	30	16	22	538	0	0	0	17	0	3.61	-.47	2.24	26	T	T		5	2	1			
SALISBURY FAA AP	56.8	34.3	45.6	1.4	74	30	16	22	538	0	0	0	17	0	3.61	-.47	2.24	26	T	T		5	2	1			
SNOW HILL 4 N	58.2	34.8	46.5	1.5	74	25	16	22	567	0	0	0	18	0	4.38	-.22	2.13	26	T	T		6	3	2			
--DIVISIONAL DATA----->			46.6	1.5											3.81	-.34			.0								
CENTRAL EASTERN SHORE 02																											
CAMBRIDGE WTR TRMT PL	58.4	36.8	47.6	3.1	74	30	20	22	529	0	0	0	12	0	2.61	-1.45	1.12	26	T	T		6	2	1			
DENTON 2 E	58.0	34.1	46.1	2.0	79	25	16	22	582	2	0	0	17	0	2.48	-1.44	1.57	26	.0	.0		5	1	1			
ROYAL OAK 2 SSW	56.4	37.1	46.8	1.6	74	24	21	22	559	0	0	0	13	0	2.37	-1.70	1.29	26	.2	T		6	1	1			
VIENNA	59.5	36.5	48.0	2.4	77	30	25	22	519	0	0	0	12	0	3.49	-.43	1.24	26	.0	.0		5	3	1			
--DIVISIONAL DATA----->			47.1	2.2											2.74	-1.19			.1								
LOWER SOUTHERN 03																											
LA PLATA 1 W	59.5	34.8	47.2	2.0	81	30	19	22	548	4	0	0	17	0	2.45	-1.31	1.00	26	1.9	T		5	2	1			
MECHANICSVILLE 1 E	58.7	33.9	46.3		80	30	17	22	574	2	0	0	18	0	2.27		1.96	26	.5	T		4	2	0			
OWINGS FERRY LANDING	58.4	34.0	46.2	1.6	78	25	19	22	575	2	0	0	17	0	2.71	-.83	1.19	26	1.5	T		7	2	1			
PATUXENT RIVER	54.3	34.8	44.6		75	24	23	22	625	0	0	0	14	0	4.14		2.14	26	T	T		7	3	1			
--DIVISIONAL DATA----->			46.1	.9											2.89	-.86			1.7								
UPPER SOUTHERN 04																											
ANNAPOLIS POLICE BRKS	58.1	34.6	46.4		77	24	21	23	571	0	0	0	14	0	2.39		.83	26	.0	.0		6	3	0			
BALTIMORE WSO AP	56.3	33.8	45.1	1.8	79	24	23	22	613	2	0	0	17	0	2.35	-1.37	1.50	26	T	T		2	2	1			
BELTSVILLE	56.4	32.7	44.6	2.7	78	26	17	22	631	3	0	0	19	0	2.34	-1.15	.89	26	.0	.0		4	3	0			
COLLEGE PARK	57.2	34.0	45.6	1.0	78	26	18	22	600	4	0	0	16	0	2.72	-.93	1.06	26	.0	.0		4	3	1			
DALECARLIA RESVR D C	59.4	31.7	45.6	1.7	79	24	13	23	609	4	0	0	17	0	2.79	-1.04	1.22	26	.0	.0		4	3	1			
GLENN DALE BELL STN	59.8	30.2	45.0	1.1	79	25	12	22	617	3	0	0	21	0	2.81	-.89	1.03	26	.0	.0		5	3	1			
LAUREL 3 W																		M	M								
NATIONAL ARBORETUM D C	57.2	33.5	45.4	-.2	78	26	19	22	603	3	0	0	16	0	2.49	-1.26	.89	26	.0	.0		4	3	0			
UPPER MARLBORO 3 NNW	56.4	32.1	44.3		79	25	16	22	640	3	0	0	20	0	2.25	-1.47	.82	27	T	T		4	3	0			
--DIVISIONAL DATA----->			45.3	1.6											2.52	-1.16			.0								
NORTHERN EASTERN SHORE 05																											
CHESTERTOWN	56.1	34.7	45.4	2.0	77	30	21	22	599	0	0	0	16	0	2.00	-1.98	1.14	26	.0	.0		3	2	1			
MILLINGTON 1 SE	56.5	33.9	45.2	2.4	74	24	17	22	607	0	0	0	16	0	2.40	-1.30	.92	26	.0	.0		5	2	0			
--DIVISIONAL DATA----->			45.3	1.8											2.20	-1.56			.0								
NORTHERN CENTRAL 06																											
ABERDEEN PHILLIPS FLD	56.5	34.4	45.5		75	24	22	22	596	0	0	0	16	0	2.07				T	T		1	1	0			
BALTIMORE WSO CI	56.0	37.8	46.9	1.4	80	24	24	21	555	1	0	0	8	0	2.19	-1.74	1.35	26	M	M		2	2	1			
BENSON POLICE BARRACKS	59.0	32.8	45.9	3.8	78	24	18	22	586	0	0	0	18	0	2.52	-1.52	.90	26	.0	.0		4	3	0			
BOYDS 2 NW	56.6	34.6	45.6		77	24	20	22	593	0	0	0	17	0	2.55		1.30	26	.0	.0		4	2	1			
CATOCTIN MOUNTAIN PARK	51.9	31.9	41.9		75	24	16	22	708	0	0	0	17	0	1.70		.72	26	M	T		3	2	0			
CLARKSVILLE 3 NNE	57.9	29.9	43.9		78	24	11	22	644	0	0	0	19	0	2.47		1.10	26	T	T		3	2	1			
CONOWINGO DAM	56.5	28.3	42.4	1.3	76	24	15	22	690	0	0	0	22	0	2.48	-1.51	.85	24	.0	.0		3	3	0			
DAMASCUS 2 SW	55.4	34.2	44.8		78	24	20	22	618	0	0	0	17	0	2.62		1.53	26	.2	T		3	2	1			
EMMITSBURG 2 SE	55.5	30.3	42.9		77	24	15	22	677	0	0	0	20	0	1.57		.70	26	T	T		3	2	0			

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
MARCH 1988

STATION	TEMPERATURE (°F)													PRECIPITATION (IN)										
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	SNOW, SLEET			NO. OF DAYS		
											90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW					TOTAL	MAX. DEPTH ON GROUND	DATE	1.0 OR MORE	.50 OR MORE	1.00 OR MORE
FREDRICK POLICE BRKS	58.0	34.6	46.3		80	24	20	22	574	1	0	0	16	0	1.82		.85	4	.0	T	0	3	2	0
MILLERS 4 NE	55.0	32.2	42.9		76	24	17	22	678	0	0	0	18	0	2.08		.98	3	.0	T	0	4	2	0
ROCKVILLE 1 NE	55.0	34.1	44.6	.5	77	24	19	22	630	0	0	0	17	0	2.29	-1.25	1.45	3	1.4	T	0	2	2	1
TOWSON	55.9	30.8	43.8		77	24	18	23	651	0	0	0	20	0	3.45	-1.59	1.10	3	.0	T	0	4	3	0
UNIONVILLE	55.9	28.2	42.1	1.2	74	30	11	22	701	0	0	0	20	0	1.91	-1.47	.98	2	.0	T	0	2	2	0
WESTMINSTER POLICE BRK	56.5	30.3	43.4	2.4	78	25	17	21	661	0	0	0	20	0	2.26	-1.66	.92	2	.0	T	0	5	2	0
WOODSTOCK																								
--DIVISIONAL DATA----->			44.2	1.9											2.27	-1.55			.1					
APPALACHIAN MOUNTAIN 07																								
CUMBERLAND 2	57.0	30.5	43.8	1.7	80	29	17	21	650	0	0	0	21	0	1.36	-2.25	.55	5	.5	121	4	1	0	
FROSTBURG 2	47.5M	26.9	37.2M		72	26	13	23	854	0	0	0	52	4	2.15		.77	5	22.7	617	5	1	0	
HAGERSTOWN	55.5	33.2M	44.4M	2.3	79	24	18	22	636	0	0	0	17	0	1.08	-2.30	.60	4	.0	T	0	3	1	0
HANCOCK FRUIT LAB	58.0M	28.7M	43.4M	3.4	81	24	11	22	670	0	0	0	20	0	1.71	-1.78	.64	4	T	T		4	1	0
--DIVISIONAL DATA----->			42.2	1.2											1.58	-2.08			7.7					
ALLEGHENY PLATEAU 08																								
MC HENRY 2 NW	48.2	26.3	37.3		77	30	12	22	853	0	0	0	52	3	3.95		.71	5	20.0	1021	11	2	0	
OAKLAND 1 SE	51.7M	26.3M	39.0M	2.6	75	29	15	21	795	0	0	0	52	1	1.73	-2.69	.74	4	15.5	817	4	1	0	
SAVAGE RIVER DAM	50.9	27.1	39.0	2.2	76	26	12	22	800	1	0	0	22	4	1.33	-2.05	.53	5	2.0	121+	4	1	0	
--DIVISIONAL DATA----->			38.4	2.6											2.34	-1.87			12.5					
DELAWARE																								
NORTHERN 01																								
MIDDLETOWN 3 E	54.8	33.2	44.0		78	25	20	22	644	2	0	0	18	0	2.45		1.10	4	.0	T	0	4	2	1
NEWARK UNIVERSITY FARM	56.1	31.6	43.9	1.8	79	25	17	22	646	0	0	0	19	0	1.93	-1.73	.72	26	T	T		3	2	0
WILMINGTON WSO AP	54.6	33.7	44.2	2.4	77	25	19	22	637	0	0	0	16	0	1.82	-2.05	.87	26	T	T		2	2	0
WILMGTN PORTER RESVR	53.6	33.6	43.6	2.6	74	25	19	22	654	0	0	0	15	0	2.12	-1.95	1.02	26	.0	T	0	2	2	1
--DIVISIONAL DATA----->			43.9	1.9											2.08	-1.69			.0					
SOUTHERN 02																								
DOVER	57.4	34.0	45.7	1.4	77	25	19	22	593	0	0	0	16	0	2.35	-1.52	1.00	26	.0	0		4	2	1
GEORGETOWN 5 SW	56.2	33.3	44.8	1.3	78	26	16	22	621	1	0	0	19	0	3.48	-.49	2.25	27	.0	0		5	1	1
GREENWOOD 2 NE	56.8	34.7	45.8		75	25	19	22	589	0	0	0	17	0	2.95		1.35	26	.0	0		6	2	1
LEWES	55.7	37.0	46.4	3.1	74	25	25	6	569	0	0	0	13	0	3.21	-1.00	1.68	26	.0	0		5	2	1
MILFORD 4 SE	56.8	34.9	45.9	1.6	77	25	19	22	589	1	0	0	16	0	2.84	-1.19	1.13	26	.0	0		5	2	1
--DIVISIONAL DATA----->			45.7	1.8											2.97	-1.06			.0					

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
MARCH 1988

STATION		TOTAL	DAY OF MONTH																														
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MARYLAND																																	
SOUTHERN EASTERN SHORE 01																																	
ASSATEAGUE ISLAND NATL SE	M	-	-	-																													
CRISFIELD SOMERS COVE	3.70				.12	.10		.32		.06	.34			.20							.18							1.77	.61				
PRINCESS ANNE	3.59				.10	.07				.30	.94										.15							1.50	.53				
SALISBURY	3.76				.03	.09				.26	.58			.14							.11							1.90	.65				
SALISBURY FAA AP	3.61			T	.10		.01			.81	.05			.18						.01	.13	T	T					2.24	.08				
SNOW HILL 4 N		4.38			T	.02	.14		.06		.05	.55			.22	T					.13	T	T					2.13	1.08				
CENTRAL EASTERN SHORE 02																																	
CAMBRIDGE WTR TRMT PL	2.61				.10	.24				.02	.27			.18									T					1.12	.68				
DENTON 2 E	2.48				.22	.18					.14				T													1.57	.37				
ROYAL OAK 2 SSW	2.37			T	.24	.12				T	.19			.17						T			T	.02				1.29	.34				
VIENNA	3.49				.30	.70				.05	.45			.08														1.24	.67				
LOWER SOUTHERN 03																																	
LA PLATA 1 W	2.45			.02	.32	.01				.02	.20			.08		T	T					T	.10					1.00	.70				
MECHANICSVILLE 1 E	2.27			T	.45	T				.14	.08			.09	T	T				T		T	.04					.96	.51				
OWINGS FERRY LANDING	2.71			T	.26	.15				T	.13			.13	.01								.10					1.19	.74				
PATUXENT RIVER	4.14				.27					.50	.39			.16	T	T	T		.05			.50						2.14	.13				
UPPER SOUTHERN 04																																	
ANNAPOLIS POLICE BRKS	2.39				.55	.21				T	.12			.15														.83	.53				
BALTIMORE WSO AP	R 2.35			T	.81					T	T		T	.03					T		.01	T				T	1.50						
BELTSVILLE	2.34				.01	.70					.03			.12	T							T			.01	.89	.58						
COLLEGE PARK	2.72				.03	.88					.05			.12								T					1.06	.58		T			
DALECARLIA RESVR D C	2.79				.78	.04					.12			.12							.01						1.22	.62					
GLENN DALE BELL STN	2.81			T	.29	.59				T	.06			.10						.02							1.03	.72					
LAUREL 3 W		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NATIONAL ARBORETUM D C	2.49				.03	.79					.02			.10								.01						.89	.65				
UPPER MARLBORO 3 NNW	2.25				T	.75					.03			.12							T							.53	.82				
NORTHERN EASTERN SHORE 05																																	
CHESTERTOWN	2.00			T	.73					.03				.10														1.14	T				
MILLINGTON 1 SE	2.40			T	.60	.22				.02	.06			.10														.92	.48				
NORTHERN CENTRAL 06																																	
ABERDEEN PHILLIPS FLD	2.07			T	.85		*	.02		T	T				T		T										*	*	1.20				
BALTIMORE WSO C1	2.19				.80					.01				.02								.01						1.35					
BENSON POLICE BARRACKS	2.52			.06		.19					.80			.05						T	.01	T						.90	.51				
BOYDS 2 NW	2.55				.87									.16														1.30	.22				
BRIGHTON DAM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CATOCTIN MOUNTAIN PARK	1.70				.19	.62								.08		T				.02		.04						.72	.03				
CLARKSVILLE 3 NNE	2.47				.02	.72	.08			.01	.01			.06			T					.01						1.10	.44				
CONOWINGO DAM	2.48				.09	.85								.06														.71	.68				
DAMASCUS 2 SW	2.62				.03	.85	.01			.01	T			.10		T		T	T	.03	.06	.01	T					1.53	.08				T
EMMITSBURG 2 SE	1.57				.15	.67								.05		T			T		T							.70					
FREDRICK POLICE BRKS		1.82			T	.85				T				.07														.79	.11				
FREDERICK 3 E	2.29				.10	.83						T		.05	T								T					1.10	.21				
MILLERS 4 NE	2.08				.16	.69	T				T	T		.02			T				.01							.98	.22				
POTOMAC FILTER PLANT	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROCKVILLE 1 NE	2.29			T	.73					T	.02		T	.08		T				.01		T	T			T	T	1.45					
TOWSON		3.45				.90	.95	.01						.05							.01							1.10	.43				
UNIONVILLE	1.91				.09	.80										T					T							.98			.04		
WESTMINSTER POLICE BRK	2.26				.10	.69	.16							.09														.92	.30				
WOODSTOCK	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
MARCH 1988

STATION		TOTAL	DAY OF MONTH																														
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
APPALACHIAN MOUNTAIN 07																																	
CUMBERLAND 2	1.36				.31	.55					T			.02		T		T		.04	T	.03						.29	.12				
EDGEMONT	1.61				.20	.66					.02			.03						.02								.66	.02				
FROSTBURG 2	2.15		T	T	.48	.77					.02			.06	.02	.04	.07	.04	.01	.08	.07	.13	T					.12	.22	.02			
HAGERSTOWN	1.08			.19	.60					T				T						T	T							.29					
HANCOCK FRUIT LAB	1.71			.22	.64	.02				.02				.02	T	T				.05	T	.02						.42	.30				
ALLEGHENY PLATEAU 08																																	
MC HENRY 2 NW	3.95			T	.66	.71					.17			.31	.08	.14	.25	.32	.03	.30	.22	.32						.37	.07	T			
MERRILL	1.78				.45	.56					.03			.20		.05	.05	.03	.01	.04	.10	.08						.15		.03			
OAKLAND 1 SE	1.73			T	.74					T	T			.27	.02	.05	.04	.02	.09	.02	.05	.10						.25	.08				
SAVAGE RIVER DAM	1.33			T	.47	.53					T	T	T	.11	T	T	T	T	T	.04	.02	.03						.13		T			
DELAWARE NORTHERN 01																																	
MIDDLETOWN 3 E	2.45				1.10	*					T			.12														.79	.44				
NEWARK UNIVERSITY FARM	1.93			.01	.66	.06								.08					T	.02								.72	.38				
WILMINGTON WSO AP	1.82			.03	.85					T	T		T	.05		T			.02		T							.87	T				
WILMGTN PORTER RESVR	2.12			.09	.82									.07					.09									1.02	.03				
SOUTHERN 02																																	
DOVER	2.35				.14	.48					.08			.08	.02													1.00	.55				
GEORGETOWN 5 SW	3.48					.30					.43	.07		.07	.14					.04	.04							.12	2.25	.02			
GREENWOOD 2 NE	2.95				.30	.11				.08	.23			.22														1.35	.66				
LEWES	3.21				.08	.30				.04	.26			.21	.05				T	.02		T						1.68	.57				
MILFORD 4 SE	2.84				.09	.33				.07	.19			.18	.03													1.13	.82				

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
MARCH 1988

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MARYLAND																																		
SOUTHERN EASTERN SHORE	01																																	
ASSATEAGUE ISLAND NATL	07	MAX MIN																																M M
CRISFIELD SOMERS COVE	17	MAX OBS MIN OBS	49 29 31 46	55 31 46	55 49 32 28	58 49 32 28	58 32 28	49 28 38 43	59 28 38 43	59 43 33 42	57 43 33 42	55 43 33 42	50 50 36 30	61 60 36 30	60 30 35 30	39 44 45 47	44 49 51 47	45 49 51 47	47 49 51 47	49 47 52 66	51 47 52 66	47 47 52 66	47 23 23 45	52 23 23 45	66 45 23	69 53 51 49	66 49 34 38	59 49 34 38	55 *** 65 ***	65 *** 71 ***	71 69 35 52	69 55.5 37.3		
PRINCESS ANNE	17	MAX MIN OBS	51 22 23	59 23 46	60 46	62 53 30	59 30 22	53 62 62	66 57 52	53 57 26	53 49 39	64 49 39	41 36	47 27	48 35	50 23	50 38	52 34	46 26	47 16	56 24	70 48	72 51	70 51	63 48	57 30	68 32	75 45	67 51	58.0 35.0				
SALISBURY	17	MAX MIN	53 25	60 26	61 49	63 54	60 30	54 26	64 34	61 34	66 39	58 44	54 29	65 38	65 50	61 33	40 30	47 27	48 31	50 27	49 37	52 29	46 28	48 20	56 28	71 47	74 54	69 50	64 48	58 36	69 37	70 46	67 51	58.8 36.7
SALISBURY FAA AP	MID	MAX MIN	51 23	59 22	62 51	63 41	47 29	51 25	62 30	57 30	67 38	58 34	53 27	65 36	64 44	46 32	40 30	47 28	48 28	50 24	48 30	52 29	42 23	47 16	56 24	72 55	74 56	63 51	55 41	58 36	70 34	74 47	59 48	56.8 34.3
SNOW HILL 4 N	18	MAX MIN	53 22	59 24	63 47	64 50	58 31	50 24	63 32	60 30	67 36	57 44	55 26	64 38	63 50	60 31	40 31	46 28	48 30	51 23	49 37	54 29	46 27	48 16	54 24	72 44	74 49	67 51	60 48	58 32	68 32	68 44	64 50	58.2 34.8
CENTRAL EASTERN SHORE	02																																	
CAMBRIDGE WTR TRMT PL	16	MAX MIN	50 25	58 25	60 44	59 50	58 31	54 25	62 32	62 36	65 39	59 44	56 37	65 37	65 49	57 35	40 29	48 28	48 35	48 29	49 40	52 31	46 25	45 20	55 28	73 48	74 51	72 50	59 44	58 38	67 39	74 47	73 50	58.4 36.8
DENTON 2 E	17	MAX MIN	51 23	58 23	62 46	59 42	46 28	54 20	62 29	59 30	64 38	58 44	55 27	64 40	64 39	57 32	47 25	47 26	48 25	49 37	49 28	45 26	45 16	59 48	73 54	79 50	68 46	55 32	59 32	68 43	76 47	72 47	58.0 34.1	
ROYAL OAK 2 SSW	18	MAX MIN	50 27	59 27	59 47	59 45	45 31	51 26	63 32	57 33	62 42	56 44	54 29	66 42	63 49	57 35	38 30	47 29	48 34	46 29	49 40	49 32	42 25	45 21	55 29	74 48	72 53	63 50	55 45	58 39	67 38	73 49	67 51	56.4 37.1
VIENNA	18	MAX OBS MIN OBS	52 25	59 25	61 46	61 49	57 30	55 26	63 33	63 29	63 39	57 43	56 39	65 45	62 40	54 33	48 28	50 ***	49 ***	49 ***	51 38	56 33	47 25	47 25	56 30	72 48	72 52	70 50	64 45	66 35	68 37	77 48	75 49	59.5 36.5
LOWER SOUTHERN	03																																	
LA PLATA 1 W	18	MAX MIN	52 25	63 27	60 42	62 43	47 30	55 24	65 29	59 31	67 36	57 43	58 25	70 40	65 49	57 32	36 26	41 26	48 29	49 25	48 39	48 29	46 26	48 19	60 26	79 48	80 57	74 47	57 40	62 31	75 36	81 46	74 53	59.5 34.8
MECHANICSVILLE 1 E	19	MAX MIN	52 24	62 23	61 45	66 43	47 31	51 21	65 28	58 29	66 34	55 44	57 25	70 38	66 49	54 32	36 27	47 27	48 22	50 39	51 32	50 25	43 25	48 17	58 25	78 51	78 56	67 50	57 40	61 28	72 31	80 39	66 49	58.7 33.9
OWINGS FERRY LANDING	17	MAX MIN	51 22	61 22	62 45	60 43	47 30	53 22	64 29	60 35	58 35	57 44	69 24	65 37	54 29	37 26	47 26	47 27	48 25	50 39	48 31	45 24	45 18	58 26	78 49	78 56	70 50	55 40	60 30	72 34	77 43	69 50	58.4 34.0	
PATUXENT RIVER	MID	MAX MIN OBS	48 27	61 27	60 44	64 37	41 28	48 26	63 31	51 33	62 39	52 40	54 33	68 40	65 39	43 30	36 27	46 27	47 31	38 25	41 36	52 31	38 25	41 23	52 31	75 50	74 49	60 47	57 40	57 35	58 40	69 43	61 46	54.3 34.8
UPPER SOUTHERN	04																																	
ANNAPOLIS POLICE BRKS	17	MAX MIN OBS	59 27	62 26	59 45	51 41	46 30	51 24	65 33	63 32	67 39	59 44	55 29	70 39	63 48	58 31	40 26	49 26	50 30	49 29	52 38	50 33	46 27	43 21	52 21	77 44	71 48	65 45	58 39	62 34	68 33	74 42	66 49	58.1 34.6
BALTIMORE WSO AP	MID	MAX MIN	50 26	62 24	58 44	49 35	48 28	52 23	62 29	56 31	67 34	57 34	57 28	69 37	63 38	40 30	37 25	46 26	47 28	45 29	49 35	48 31	42 25	48 23	57 27	79 49	77 56	59 51	53 38	61 32	70 35	70 45	67 51	56.3 33.8
BELTSVILLE	08	MAX MIN OBS	53 23	53 28	62 36	60 38	51 24	47 21	54 26	62 29	59 31	66 43	53 26	56 31	69 47	62 32	40 25	38 26	47 27	47 27	45 35	49 36	46 24	43 17	48 24	62 41	78 58	78 50	55 40	58 28	60 31	73 39	75 50	56.4 32.7
COLLEGE PARK	09	MAX MIN	54 24	50 23	64 38	61 40	62 26	48 22	57 28	63 30	62 33	66 44	53 28	57 32	69 50	63 34	40 26	35 26	46 30	47 30	44 37	49 37	46 26	44 18	53 26	62 62	78 59	78 52	55 43	53 32	62 34	75 41	76 52	57.2 34.0

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
MARCH 1988

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE	
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
DALECARLIA RESVR D C	17	MAX MIN OBS	51 34 47	64 24 40	62 40	56 39	47 26	58 20	63 26	60 27	61 31	61 39	58 24	69 35	69 46	55 29	38 22	48 27	48 30	45 25	49 34	50 27	43 22	49 17	62 13	79	78 59	76 48	56 35	61 33	75 32	76 41	75 47	59.4 31.7	
GLENN DALE BELL STN	16	MAX MIN	53 19	62 19	63 41	58 34	48 20	52 19	65 23	64 24	67 29	60 50	58 21	64 31	63 32	61 30	39 25	48 25	49 25	49 23	48 34	46 20	47 25	51 12	63 21	79 45	79 56	78 49	54 47	62 25	74 29	76 36	73 47	59.8 30.2	
LAUREL 3 W		MID MAX MIN																																M M	
NATIONAL ARBORETUM D C	08	MAX OBS MIN	53 27 47	51 24 40	63 26	62 41	51 29	48 24	57 20	63 31	61 32	67 36	54 29	58 37	70 45	63 34	41 27	38 27	48 30	48 30	48 35	50 37	47 25	44 19	49 26	63 33	78 57	78 50	55 42	54 37	61 36	74 42	76 50	57.2 33.5	
UPPER MARLBORO 3 NNW	08	MAX MIN	52 23	51 21	62 28	62 38	53 27	47 20	52 27	63 28	58 32	66 41	52 24	57 36	69 43	63 31	41 27	37 27	48 30	48 27	48 34	49 32	47 23	44 16	48 23	60 37	79 57	77 51	53 41	53 31	60 32	73 39	77 50	56.4 32.1	
NORTHERN EASTERN SHORE	05																																		
CHESTERTOWN	23	MAX MIN	49 26	59 26	57 44	50 35	47 27	54 24	61 32	59 32	64 35	55 37	55 30	65 39	62 40	42 32	38 29	48 28	46 32	45 30	48 28	47 31	41 26	46 21	61 26	74 51	75 55	62 50	53 42	60 37	71 36	77 41	69 46	56.1 34.7	
MILLINGTON 1 SE	18	MAX MIN	49 21	57 21	57 43	52 39	46 27	53 20	62 29	57 28	64 32	58 43	58 26	63 36	63 49	55 33	39 29	48 26	47 32	45 27	48 36	48 31	41 26	44 17	59 24	74 49	73 53	70 50	55 47	61 37	68 33	68 40	68 47	56.5 33.9	
NORTHERN CENTRAL	06																																		
ABERDEEN PHILLIPS FLD	16	MAX OBS MIN OBS	50 22 25	58 25 40	58 40	51 41	47 26	51 23	61 30	60 32	64 37	60 44	55 24	63 36	62 47		40 28	46 26	47 34	46 29	48 34	45 31	40 25	43 22	57 28	75 52	74 48	73 49	54 45	60 32	69 36	69 43	68 47	56.5 34.4	
BALTIMORE WSO CI		MID MAX MIN	52 35	62 34	56 48	49 34	48 31	51 31	65 39	55 41	65 41	58 41	58 36	68 44	62 38	40 31	35 28	46 27	46 34	43 35	49 38	45 29	40 24	48 25	54 34	80 47	76 56	60 52	53 42	62 38	68 43	72 46	70 51	56.0 37.8	
BENSON POLICE BARRACKS	17	MAX MIN	50 24	61 23	60 42	52 39	51 25	55 24	63 28	61 29	67 33	64 42	59 30	61 30	64 47	59 29	39 25	49 24	50 32	51 30	49 34	49 30	44 24	48 18	42 24	47 44	75 44	74 44	73 50	54 45	64 32	72 33	74 38	75 45	59.0 32.8
BOYDS 2 NW	18	MAX MIN	48 29	61 29	58 45	50 37	45 25	54 25	60 32	58 36	60 36	58 39	56 31	67 37	67 46	50 31	44 23	45 28	45 27	48 27	42 30	42 30	40 24	47 20	64 30	77 49	75 55	72 49	53 40	60 30	74 41	74 42	71 50	56.6 34.6	
CATOCTIN MOUNTAIN PARK	17	MAX MIN OBS	49 29 27	55 27 43	52 43	47 34	40 21	50 21	53 35	52 31	54 41	52 34	51 26	62 36	60 41	42 26	29 16	37 23	39 22	40 30	41 27	37 27	35 20	43 16	58 27	75 50	73 51	68 45	50 37	56 30	71 39	71 39	68 44	51.9 31.9	
CLARKSVILLE 3 NNE	17	MAX MIN	48 18	62 18	59 40	51 35	48 23	54 24	67 17	58 23	61 30	61 42	57 20	68 25	66 47	55 31	37 24	45 24	45 21	45 21	48 34	48 25	41 26	50 11	61 20	78 42	77 47	75 50	53 38	61 34	73 28	73 34	70 49	57.9 29.9	
CONOWINGO DAM		MID MAX MIN	50 19	61 18	50 36	45 33	45 22	49 17	61 24	56 24	67 28	55 32	58 23	64 27	62 35	44 27	41 24	50 22	52 29	46 26	51 26	47 25	45 24	58 15	59 21	76 41	74 41	63 45	55 35	62 27	68 31	67 35	67 44	56.5 28.3	
DAMASCUS 2 SW	19	MAX MIN	47 29	61 30	55 45	51 36	46 25	54 26	59 32	58 35	60 35	56 40	55 28	67 38	62 44	44 30	33 21	43 23	44 27	42 27	46 31	41 30	40 24	47 20	61 29	78 49	76 53	70 49	49 40	59 32	72 40	73 40	67 49	55.4 34.2	
EMMITSBURG 2 SE	17	MAX MIN	46 20	58 22	56 44	46 36	46 24	52 19	58 24	57 24	57 24	57 40	56 25	66 27	64 45	49 31	34 23	43 25	44 25	44 25	46 31	43 28	43 24	44 15	61 21	77 40	75 45	72 50	54 41	60 33	72 30	70 33	69 45	55.5 30.3	
FREDRICK POLICE BRKS	17	MAX OBS MIN	50 27 25	63 25 48	62 48	50 38	45 29	53 23	60 31	60 31	62 37	62 40	56 32	68 46	68 46	52 32	37 24	45 24	46 20	45 31	48 33	46 32	42 25	42 20	65 27	80 49	78 54	76 51	56 42	60 35	73 38	73 41	74 52	58.0 34.6	
MILLERS 4 NE	18	MAX MIN	45 25	59 26	54 44	48 35	44 24	51 24	58 30	55 27	61 35	56 38	54 25	64 34	60 45	45 28	33 22	42 23	43 29	40 28	45 30	40 27	36 21	58 17	76 26	75 50	65 49	50 40	58 31	68 38	69 41	67 45	53.6 32.2		
ROCKVILLE 1 NE	17	MAX MIN	48 27	61 23	57 45	50 32	45 26	54 21	60 28	57 30	62 37	54 35	56 32	68 42	60 36	38 28	33 25	44 26	45 29	42 30	45 35	42 30	40 26	47 19	60 30	77 52	76 57	63 50	50 37	58 35	71 35	74 45	67 53	55.0 34.1	
TOWSON	18	MAX MIN OBS	48 24 52	60 22 44	56 22	50 37	47 25	50 23	61 29	56 34	64 32	60 31	56 28	67 27	70 44	52 23	36 23	46 21	46 27	49 24	48 28	45 26	40 22	47 20	56 18	77 44	74 45	68 44	60 41	61 30	68 37	71 33	70 48	56.7 30.8	
UNIONVILLE	18	MAX MIN	50 20	60 19	53 40	47 32	45 19	54 17	59 22	60 23	59 29	61 30	55 19	67 29	64 43	46 31	36 21	45 20	45 24	42 22	48 26	41 24	40 24	46 11	61 21	74 41	74 44	70 39	52 39	60 31	72 35	74 39	73 41	55.9 28.2	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
MARCH 1988

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE	
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
WESTMINSTER POLICE BRK	17	MAX MIN OBS	45 25 25	59 23 23	58 43 43	50 34 34	44 20 20	53 22 22	58 29 29	57 30 30	62 32 32	62 35 35	54 27 27	66 29 29	66 43 43	57 26 26	36 19 19	43 19 19	45 22 22	43 24 24	44 26 26	45 24 24	38 17 17	45 18 18	61 27 27	78 41 41	78 50 50	75 46 46	53 38 38	58 30 30	71 36 36	73 39 39	73 44 44	56.5 30.3	
WOODSTOCK	18	MAX MIN																																	M M
APPALACHIAN MOUNTAIN	07																																		
CUMBERLAND 2	18	MAX MIN	49 22	60 23	56 41	46 25	50 23	59 24	56 30	64 31	59 37	52 27	60 28	74 32	64 28	40 22	33 24	38 27	43 27	41 29	45 29	41 24	41 17	51 21	71 27	79 44	80 45	71 40	56 33	64 34	80 36	74 46	70 51	57.0 30.5	
FROSTBURG 2	07	MAX MIN	40 24	38 26	53 28	44 39	47 19	41 19	52 23	45 29	56 31	55 31	42 25	54 26	66 35	43 21	25 15	24 15	30 19	33 21	35 26	34 15	30 15	29 13	42 13	63 28	71 50	72 45	64 33	58 28	71 41	67 43	47.5 26.9		
HAGERSTOWN	18	MAX OBS MIN OBS	47 25 25	60 27 27	56 46 46	47 36 36	47 25 25	54 25 25	58 33	58 30	57 40	53 40	59 28	67 38	63 30	37 21	35 21	42 24	44 29	42 28	47 30	40 29	39 23	47 18	64 31	79 51	75 51	71 50	54 38	62 30	74 36	73 39	70 46	55.5 33.2	
HANCOCK FRUIT LAB	16	MAX MIN	48 20	63 17	60 49	49 38	47 21	56 17	59 26	61 23	60 31	55 38	58 22	68 38	66 20	41 30	42 19	43 23	41 29	46 33	42 24	40 24	48 11	68 24	81 35	78 37	70 50	63 40	64 29	76 29	73 36	73 43	58.0 28.7		
ALLEGHENY PLATEAU	08																																		
MC HENRY 2 NW	08	MAX MIN	39 18	42 25	54 28	54 36	47 15	40 17	52 31	41 30	59 34	51 27	41 22	53 25	71 37	38 18	29 14	25 13	29 17	34 20	35 23	35 22	32 12	33 12	45 18	68 36	72 51	77 47	68 28	32 23	58 26	77 49	64 42	48.2 26.3	
OAKLAND 1 SE	17	MAX MIN	41 20	52 16	50 37	50 37	42 16	53 19	52 35	62 21	60 44	50 28	54 19	70 23	68 29	30 18	23 15	27 15	31 22	34 19	33 24	34 23	31 15	47 24	70 43	71 36	73 42	71 28	59 21	75 29	73 35	66 37	51.7 26.3		
SAVAGE RIVER DAM	08	MAX OBS MIN	45 21 21	44 20 20	56 20 20	48 38 38	46 22 22	50 21	57 23	47 26	59 27	58 33	46 24	57 29	67 29	43 24	31 20	29 20	33 23	36 24	38 28	38 27	35 19	35 12	48 15	69 28	75 57	76 41	68 35	38 28	62 31	75 35	69 41	50.9 27.1	
DELAWARE																																			
NORTHERN	01																																		
MIDDLETOWN 3 E	17	MAX OBS MIN OBS	47 24 24	59 22 22	53 45 45	47 38 38	44 27 27	49 21 21	60 28	53 29	65 29	50 32	53 30	66 35	63 48	50 30	37 28	46 26	46 32	46 27	47 34	47 31	39 25	43 20	57 25	76 39	78 55	66 45	55 36	59 36	65 36	66 46	68 46	54.8 33.2	
NEWARK UNIVERSITY FARM	17	MAX MIN	48 22	59 22	57 43	50 38	45 26	52 20	60 25	58 29	67 32	61 40	55 25	65 29	63 45	49 26	39 24	46 28	47 23	45 30	39 33	44 22	57 17	75 25	79 49	74 49	54 45	59 28	65 36	65 38	70 47	56.1 31.6			
WILMINGTON WSO AP	MID	MAX MIN	48 25	58 26	54 42	46 33	45 27	49 24	59 30	54 31	66 37	55 31	54 28	64 37	64 38	42 32	38 26	47 26	48 33	46 31	47 35	46 31	40 25	43 19	53 30	75 39	77 50	64 51	53 40	59 37	64 40	66 42	69 48	54.6 33.7	
WILMGTON PORTER RESVR	MID	MAX MIN	45 29	57 27	54 43	47 33	44 26	50 26	59 33	55 34	66 35	53 31	52 30	62 37	60 38	40 31	37 28	45 26	47 22	46 25	45 34	44 30	38 23	43 19	54 29	74 42	74 53	62 50	52 40	58 37	64 43	67 42	68 47	53.6 33.6	
SOUTHERN	02																																		
DOVER	17	MAX MIN	50 22	60 24	62 48	58 40	51 24	48 21	62 30	58 31	66 38	58 46	56 30	65 37	67 37	57 31	43 28	48 25	47 31	46 31	51 36	49 27	40 24	45 19	61 28	76 44	77 43	72 49	55 46	60 36	61 35	66 42	65 50	57.4 34.0	
GEORGETOWN 5 SW	08	MAX MIN	53 22	50 22	58 38	63 50	62 29	51 22	53 30	61 30	59 37	65 47	51 25	53 35	66 37	63 32	44 29	39 27	47 30	46 24	49 27	46 20	52 16	40 24	45 38	60 56	72 53	78 41	69 32	55 32	57 44	64 48	72 48	56.2 33.3	
GREENWOOD 2 NE	18	MAX MIN	49 24	58 24	62 47	60 29	46 22	55 22	61 30	59 31	65 38	56 42	53 28	65 35	64 50	52 32	38 30	47 27	46 31	48 25	50 36	40 26	45 19	58 26	73 48	75 55	63 48	60 50	57 31	70 33	74 41	64 48	56.8 34.7		
LEWES	17	MAX MIN OBS	45 26 26	60 29 29	60 45 45	64 50 50	50 31	47 25	61 34	58 37	65 40	56 43	51 32	64 38	63 50	52 32	39 29	48 27	45 32	49 30	49 38	50 33	44 28	40 28	52 30	74 44	74 55	67 47	60 47	58 36	61 39	62 45	60 46	55.7 37.0	
MILFORD 4 SE	17	MAX MIN	50 23	61 25	62 41	62 45	45 29	47 23	61 29	57 32	66 38	57 44	53 29	64 34	64 49	58 32	39 29	47 27	46 32	48 27	49 38	50 28	42 27	45 19	58 27	75 45	77 54	67 49	61 47	58 34	62 36	67 43	63 46	56.8 34.9	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

SNOWFALL AND SNOW ON GROUND (INCHES)

MARYLAND AND
DELAWARE
MARCH 1988

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																					T											
SALISBURY FAA AP																						T											
SNOW HILL 4 N																						T											
CENTRAL EASTERN SHORE	02																																
CAMBRIDGE WTR TRMT PL																						T											
ROYAL OAK 2 SSW																					T	.2											
LOWER SOUTHERN	03																																
LA PLATA 1 W																T					T	1.9											
OWINGS FERRY LANDING																						1.5											
UPPER SOUTHERN	04																																
BALTIMORE WSO AP																					T	T											
UPPER MARLBORO 3 NNW																						T	T										
NORTHERN CENTRAL	06																																
ABERDEEN PHILLIPS FLD																		T	T														
CATOCTIN MOUNTAIN PARK										T	T						T		-		-												
DAMASCUS 2 SW																	T		T	T	.2	T											
EMMITSBURG 2 SE																	T		T		T									T			
MILLERS 4 NE																	T		T		.4												
ROCKVILLE 1 NE																	T				T	T											
UNIONVILLE																	T				T												
APPALACHIAN MOUNTAIN	07																																
CUMBERLAND 2																	T				T	.5											
FROSTBURG 2			T	T	T	T									1.0	3.5	3.5	2.5	.5	1.0	3.0	7.0	T		2	T			T	.7			
															1	3	5	6	3	3	5	5	3										

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
MARCH 1988

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	30
HANCOCK FRUIT LAB	SNOWFALL SN ON GND														T	T																
ALLEGHENY PLATEAU 08																																
MC HENRY 2 NW	SNOWFALL SN ON GND	2	2	1	T	T	T								1.0 1	2.0 2	3.0 5	4.0 8	T 6	3.0 7	3.0 8	4.0 10							T T	T T		
OAKLAND 1 SE	SNOWFALL SN ON GND													T	.5 1	3.0 4	3.0 7	1.0 8	1.0 6	T 3	5.0 3	2.0 2		8 T	7 7	2						
SAVAGE RIVER DAM	SNOWFALL SN ON GND														T T	T T	T T	T T	T T	T T	1.0 1	1.0 1		T						T T		
DELAWARE																																
NORTHERN 01																																
NEWARK UNIVERSITY FARM	SNOWFALL SN ON GND																			T												
WILMINGTON WSD AP	SNOWFALL SN ON GND WTR EQUIV															T					T											

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

STATION INDEX

MARYLAND AND
DELAWARE
MARCH 1988

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER	
							LOCAL STD TIME					
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)		
MARYLAND												
ABERDEEN PHILLIPS FLD	001506		HARFORD	39 28	76 10W	57	16	16				ROSS AVIATION INC
ANNAPOLIS POLICE BRKS	001930		ANNE ARUNDEL	38 59	76 30W	25	17	17				ANNAPOLIS POLICE BRKS
ASSATEAGUE ISLAND NATL	003350		WORCESTER	38 14	75 8W	7	07	07				NATIONAL PARK SERVICE
BALTIMORE WSO AP	004650		ANNE ARUNDEL	39 11	76 40W	196	MID	MID				NATL WEATHER SERVICE
BALTIMORE WSO CI	004700		BALTO CITY	39 17	76 37W	91	MID	MID				OCMI COMMANDING OFFICER
BELTSVILLE	070004		PRN GEORGES	39 2	76 53W	120	08	08				U S DEPT OF AGRICULTURE
BENSON POLICE BARRACKS	073206		HARFORD	39 30	76 23W	365	17	17				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				WASTEWATER TRMT PLANT
CATOCTIN MOUNTAIN PARK	153006		FREDERICK	39 39	77 29W	1610	17	17				CATOCTIN MOUNTAIN PARK
CHESTERTOWN	175005		KENT	39 13	76 4W	40	23	23				THOMAS W ELIASON JR
CLARKSVILLE 3 NNE	186206		HOWARD	39 15	76 56W	365	17	17				UNIVERSITY OF MARYLAND
COLLEGE PARK	199504		PRN GEORGES	38 59	76 57W	90	09	09				UNIVERSITY OF MARYLAND
CONOWINGO DAM	206006		HARFORD	39 39	76 10W	40	MID	MID				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				TIMOTHY B THOMAS
DALECARLIA RESVR D C	232504			38 56	77 7W	146	17	17				U S CORPS OF ENGINEERS
DAMASCUS 2 SW	233506		MONTGOMERY	39 16	77 14W	720	19	19				RICHARD W SCHWERDT
DENTON 2 E	252302		CAROLINE	38 53	75 48W	50	17	17				ARTHUR REINHOLD
EDGEMONT	277007		WASHINGTON	39 40	77 33W	905	07					JOHN W HARNE
EMMITSBURG 2 SE	290606		FREDERICK	39 41	77 18W	416	17	17				MRS LUCILLE K BEALE
FREDRICK POLICE BRKS	334806		FREDERICK	39 25	77 26W	380	17	17				MARYLAND STATE POLICE
FREDERICK 3 E	335506		FREDERICK	39 24	77 22W	385	07	07				MISS I MARY STALEY
FROSTBURG 2	341507		ALLEGANY	39 40	78 56W	2170	07	07				LEE K CLOSE
GLENN DALE BELL STN	367504		PRN GEORGES	38 58	76 48W	150	16	16				USDA PLT INTRODUCT STN
HAGERSTOWN	397507		WASHINGTON	39 39	77 44W	660	18	18				HAGERSTOWN RESERVOIR
HANCOCK FRUIT LAB	403007		WASHINGTON	39 42	78 11W	428	16	16				SHARPSBURG RESEARCH C
LA PLATA 1 W	508003		CHARLES	38 32	77 0W	140	18	18				C RUSSELL LEVERING
LAUREL 3 W	511104		PRN GEORGES	39 6	76 54W	400	MID	MID				WASH SUB SANY COMM
MC HENRY 2 NW	583208		GARRETT	39 35	79 22W	2680	08	08				JOSEPH F JOHENNING
MECHANICSVILLE 1 E	586503		ST MARYS	38 27	76 41W	100	19	19				SANDRA J HASTING
MERRILL	589408		GARRETT	39 36	79 5W	1790		09				DELWOOD E MERRILL
MILLERS 4 NE	593406		CARROLL	39 43	76 48W	860	18	18				ROBERT P MILLER
MILLINGTON 1 SE	598505		KENT	39 16	75 52W	30	18	18				HOWARD L HARVEY
NATIONAL ARBORETUM D C	635004			38 54	76 59W	50	08	08				U S NATL ARBORETUM
OAKLAND 1 SE	662008		GARRETT	39 24	79 24W	2420	17	17				BEA J CROSCO
OWINGS FERRY LANDING	677003		CALVERT	38 41	76 40W	160	17	17				JAMES C RASMUSSEN
PATUXENT RIVER	691503		ST MARY'S	38 20	76 25W	38	MID	MID				NAVAL WEATHER SERVICE
POTOMAC FILTER PLANT	727206		MONTGOMERY	39 2	77 15W	270		08				POTOMAC WATER FILT PLT
PRINCESS ANNE	733001		SOMERSET	38 13	75 41W	20	17	17				UNIVERSITY MARYLAND EAST
ROCKVILLE 1 NE	770506		MONTGOMERY	39 6	77 6W	440	17	17				WASH GAS & LIGHT CO
ROYAL OAK 2 SSW	780602		TALBOT	38 43	76 11W	10	18	18				JOHN L SWAINE JR
SALISBURY	800001		WICOMICO	38 22	75 35W	10	17	17				CITY OF SALISBURY
SALISBURY FAA AP	800501		WICOMICO	38 20	75 31W	48	MID	MID				FAA
SAVAGE RIVER DAM	806508		GARRETT	39 31	79 8W	1495	08	08				U S CORPS OF ENGINEERS
SNOW HILL 4 N	838001		WORCESTER	38 14	75 23W	28	18	18				CURTIS E SHOCKLEY
TOWSON	887706		BALTIMORE	39 23	76 34W	390	18	18				BENDIX FRIEZ
UNIONVILLE	903006		FREDERICK	39 27	77 11W	430	18	18				CAROLINE R VON EIFF
UPPER MARLBORO 3 NNW	907004		PRN GEORGES	38 52	76 47W	98	08	08				TOBACCO EXP FARM
VIENNA	914002		DORCHESTER	38 29	75 50W	12	18	18				DELMARVA POWER & LIGHT
WESTMINSTER POLICE BRK	944006		CARROLL	39 33	76 58W	765	17	17				MARYLAND STATE POLICE
WOODSTOCK	975006		BALTIMORE	39 20	76 52W	460	18	18				JOHN A HILTZ

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
MARCH 1988

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER
							LOCAL STD TIME				
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)	
DELAWARE											
DOVER	2730	002	KENT	39 9	75 31W	30	17	17		H	STATE DIV OF HIGHWAYS
GEORGETOWN 5 SW	3570	002	SUSSEX	38 38	75 27W	45	08	08	08 C	H	UNIV OF DEL SUBSTATION
GREENWOOD 2 NE	3595	002	SUSSEX	38 50	75 35W	45	18	18		H	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	H	UNIV OF DELAWARE
WILMINGTON WSO AP	R 9595	001	NEW CASTLE	39 40	75 36W	79	MID	MID	C	H J	NATL WEATHER SERVICE
WILMINGTON 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
MARCH 1988

DEFINITIONS

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

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

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

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

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

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

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

SYMBOLS AND LETTERS USED IN THE STATION INDEX TABLE

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

SYMBOLS AND LETTERS USED IN THE DATA TABLES

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

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

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

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

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

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

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

// Rain gage equipped with a windshield.

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

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

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

R Amounts from recording rain gage.

T Trace. An amount too small to measure.

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

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

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

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

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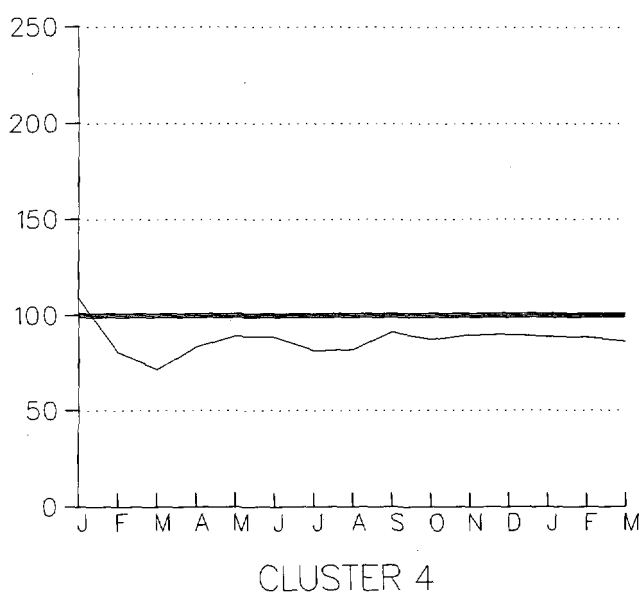
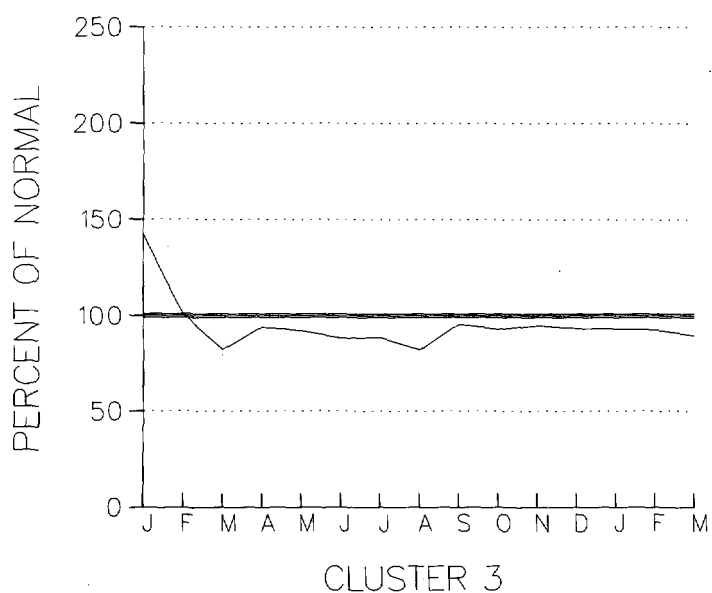
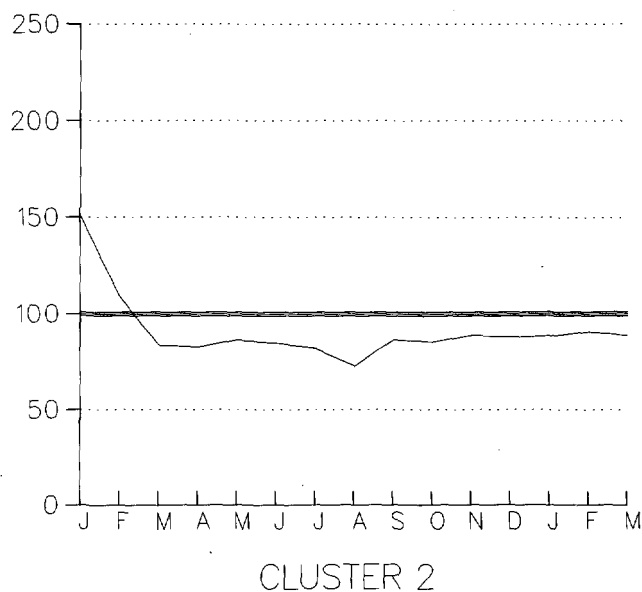
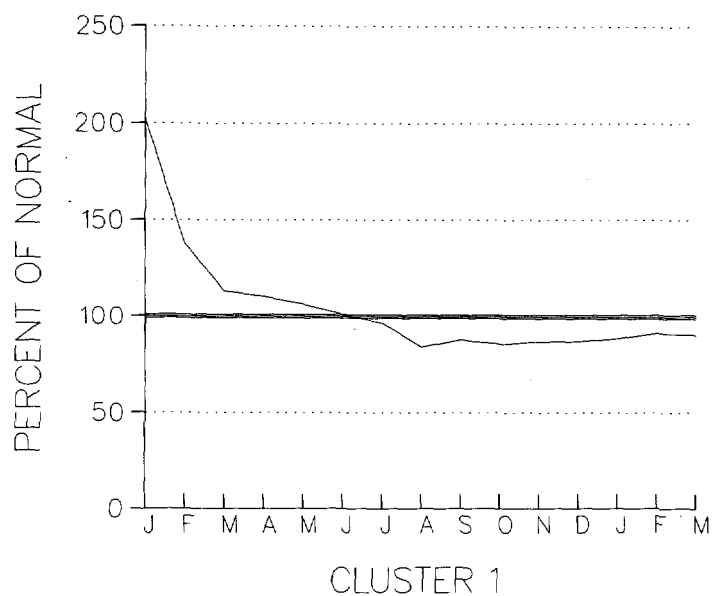
CUMULATIVE PRECIPITATION DEPARTURES FROM NORMAL (1951-1980) FOR THE LAST 15 MONTHS ENDING MARCH 1988 MARYLAND

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

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

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

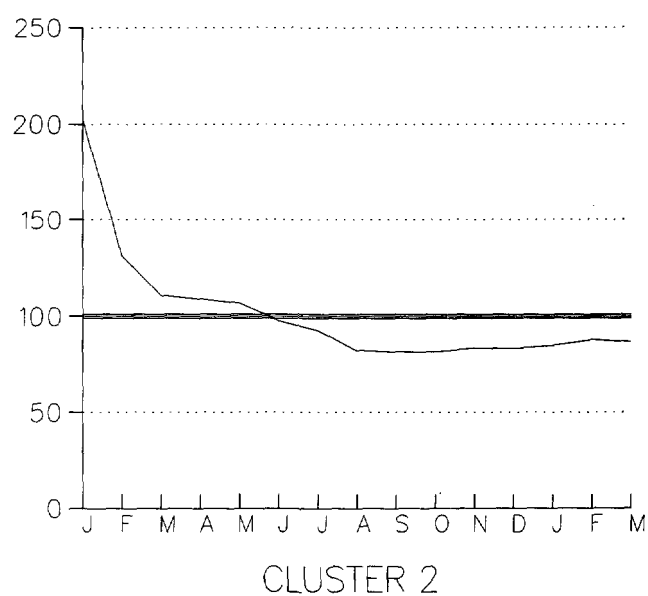
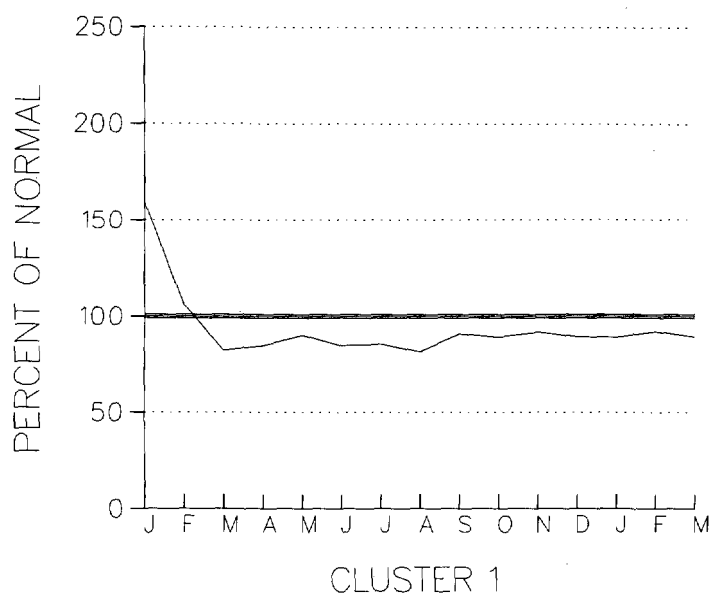
CLUSTER 4 -DIVISION(S):
ALLEGHENY PLATEAU 08



CUMULATIVE PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)
FOR THE LAST 15 MONTHS
ENDING MARCH 1988
DELAWARE

CLUSTER 1 -DIVISION(S):
NORTHERN 01

CLUSTER 2 -DIVISION(S):
SOUTHERN 02



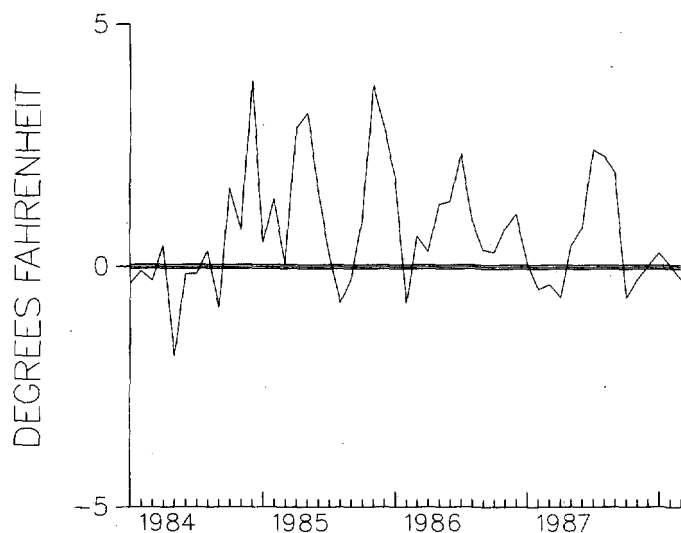
TEMPERATURE DEPARTURES FROM NORMAL (1951-1980)
THREE MONTH RUNNING MEAN
FOR THE 51 MONTHS ENDING WITH MARCH 1988 DATA
MARYLAND

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

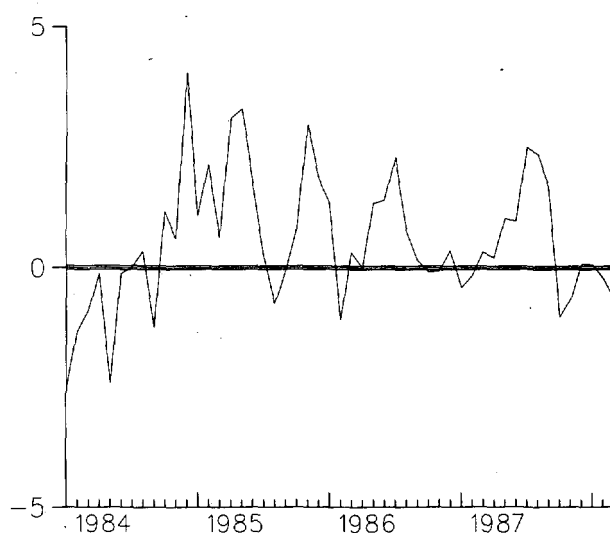
CLUSTER 2 -DIVISION(S):
UPPER SOUTHERN 04
NORTHERN EASTERN SHORE 05

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

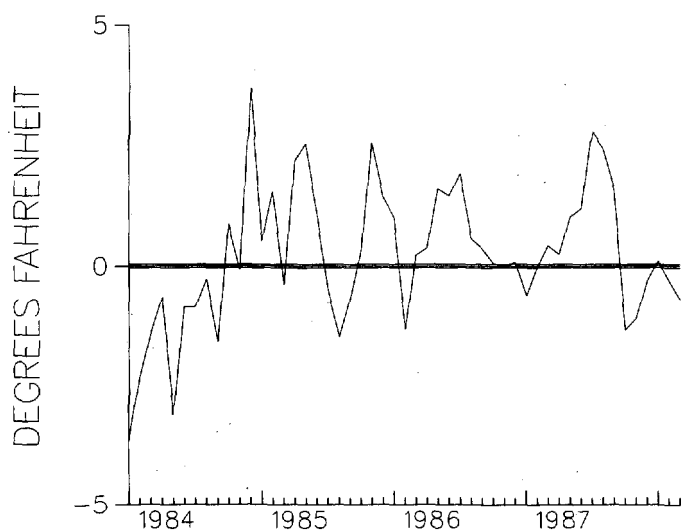
CLUSTER 4 -DIVISION(S):
ALLEGHENY PLATEAU 08



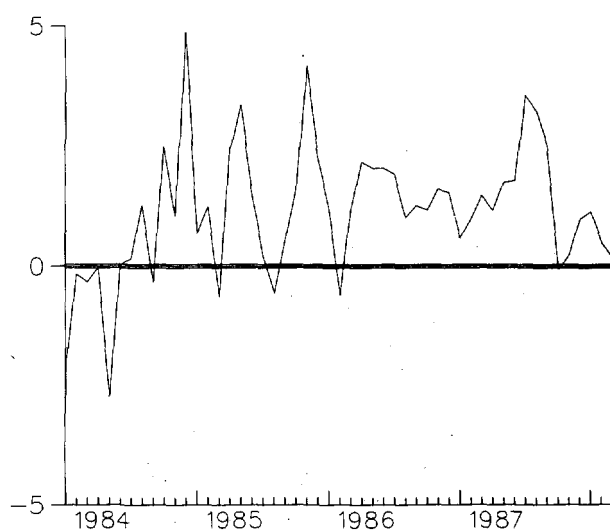
CLUSTER 1



CLUSTER 2



CLUSTER 3

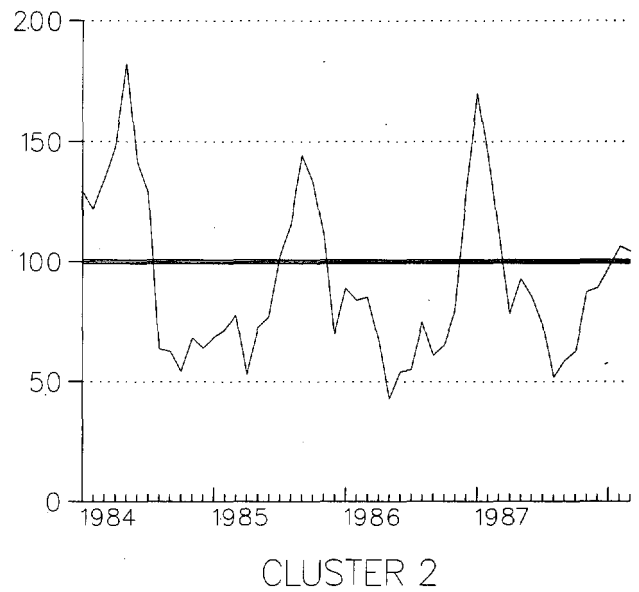
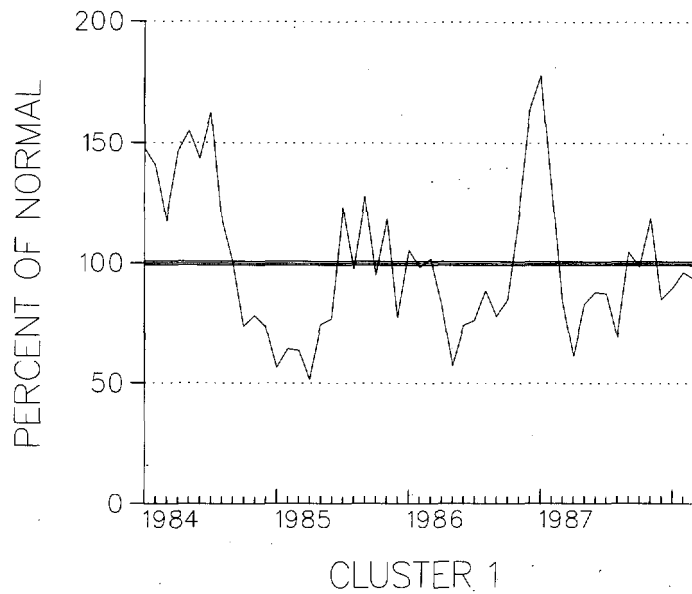


CLUSTER 4

PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)
THREE MONTH RUNNING MEAN
FOR THE 51 MONTHS ENDING WITH MARCH 1988 DATA
DELAWARE

CLUSTER 1 -DIVISION(S):
NORTHERN 01

CLUSTER 2 -DIVISION(S):
SOUTHERN 02



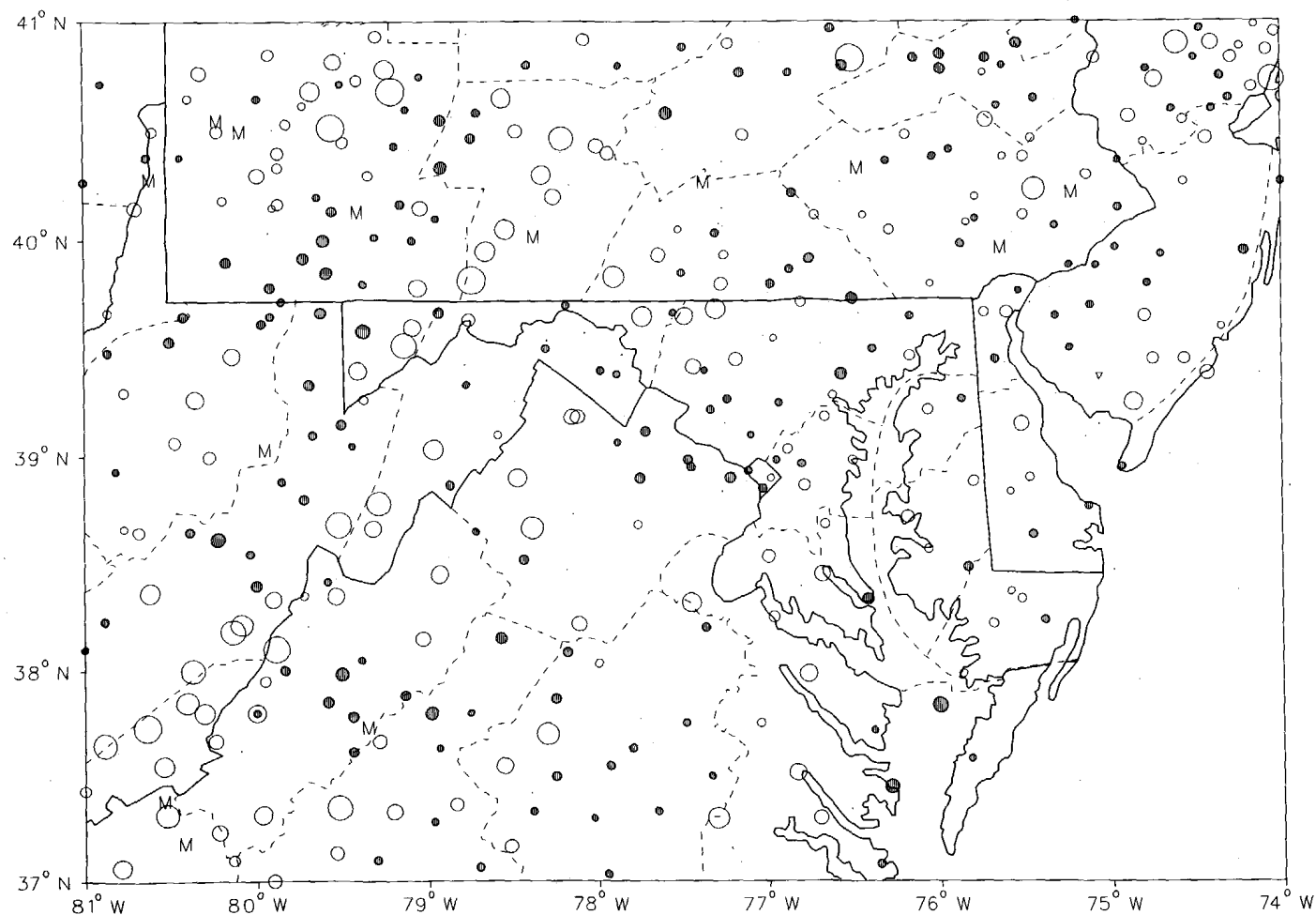
MONTHLY PRECIPITATION DEPARTURE FROM THE DIVISIONAL AVERAGE FOR MARCH 1988 MARYLAND & DELAWARE

M DENOTES INCOMPLETE DATA FOR THE MONTH

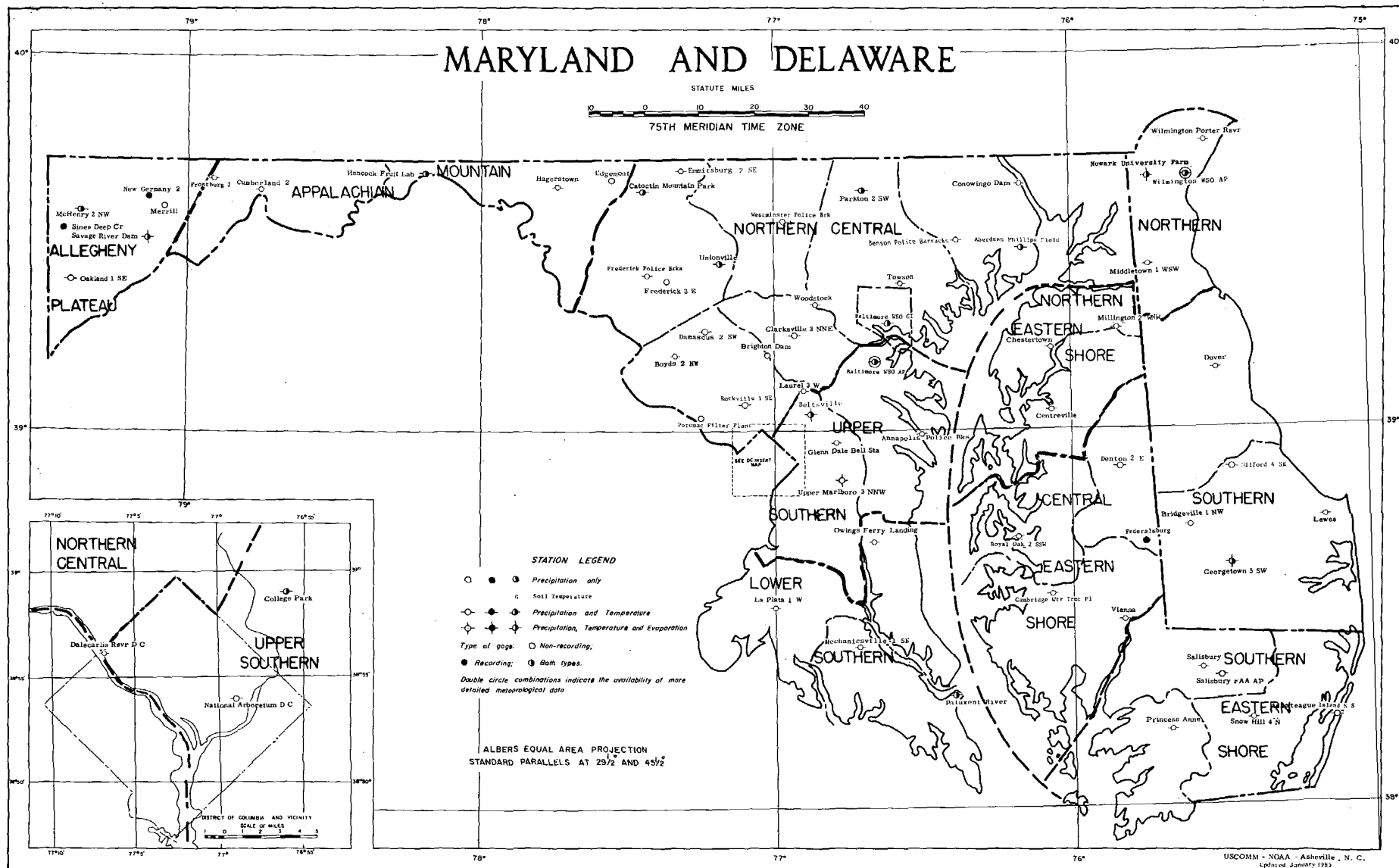
▽ ZERO DEPARTURE

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

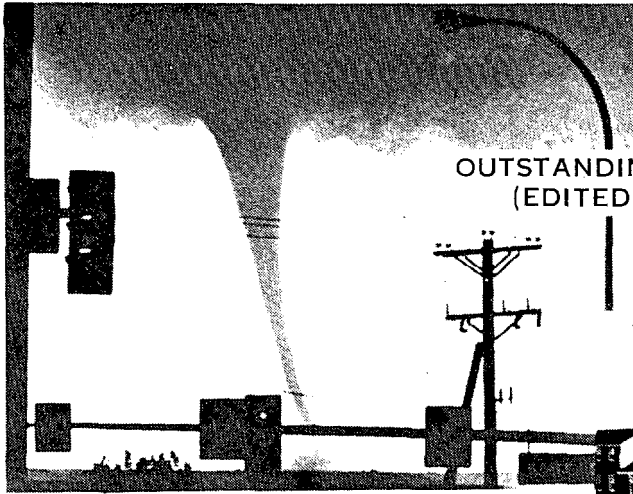
● ● ● ● 10,20,40,...100% OR MORE ABOVE AVERAGE



CIRCLE DIAMETER IS PROPORTIONAL TO DEPARTURE ON A CONTINUOUS SCALE



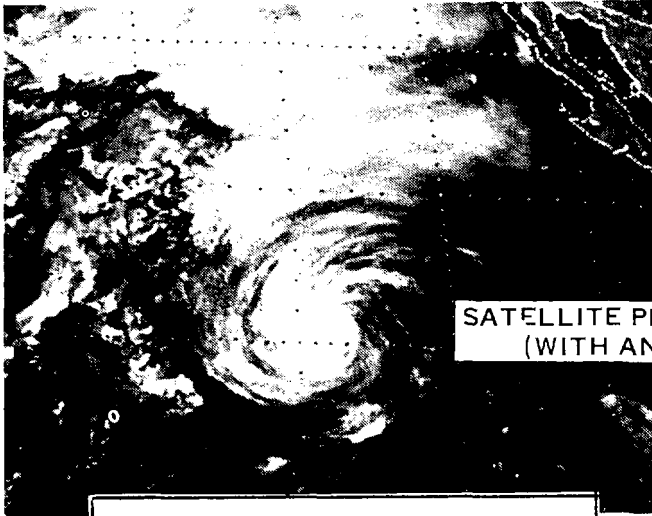
STORM DATA



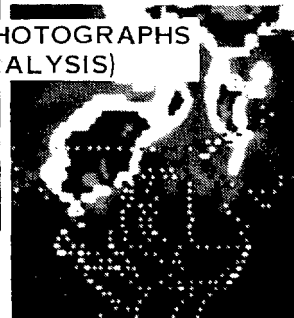
OUTSTANDING STORM OF THE MONTH
(EDITED BY DR. T.T. FUJITA)



DESCRIPTIVE PHOTOGRAPHS
(WITH NARRATIVE DETAILS)



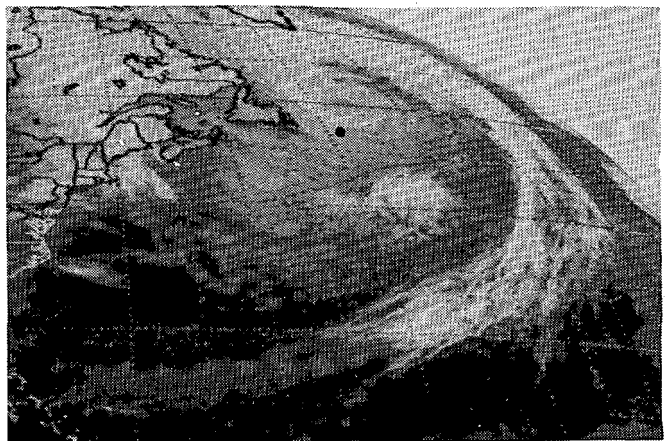
SATELLITE PHOTOGRAPHS
(WITH ANALYSIS)



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



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- *University Research*
- *Personal Curiosity*



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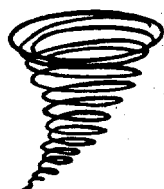
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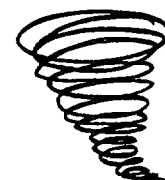
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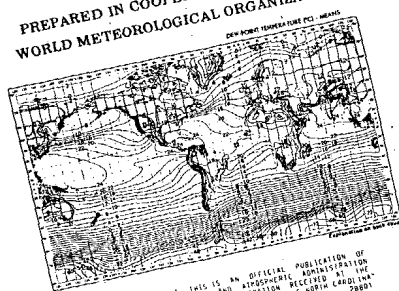
ISSN 0145-0387

LOCAL CLIMATOLOGICAL DATA Monthly Summary



STATION	DATE	TEMPERATURE	PRECIPITATION	WIND	RELATIVE HUMIDITY	WIND DIRECTION	WIND SPEED	WIND GUST	WIND VELOCITY	WIND DIRECTION	WIND SPEED	WIND GUST	WIND VELOCITY
TUCSON	1/1/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/2/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/3/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/4/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/5/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/6/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/7/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/8/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/9/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/10/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/11/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/12/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/13/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/14/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/15/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/16/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/17/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/18/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/19/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/20/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/21/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/22/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/23/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/24/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/25/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/26/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/27/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/28/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/29/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/30/50	55	0.00	10	65	10	10	10	10	10	10	10	10
TUCSON	1/31/50	55	0.00	10	65	10	10	10	10	10	10	10	10

MONTHLY CLIMATIC DATA FOR THE WORLD PREPARED IN COOPERATION WITH THE WORLD METEOROLOGICAL ORGANIZATION



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DIRECTOR
NATIONAL CLIMATIC DATA CENTER
ASHEVILLE, N.C.

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STORM DATA

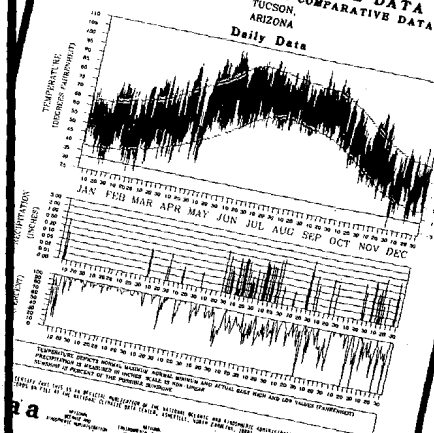


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LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA TUCSON, ARIZONA Daily Data



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