



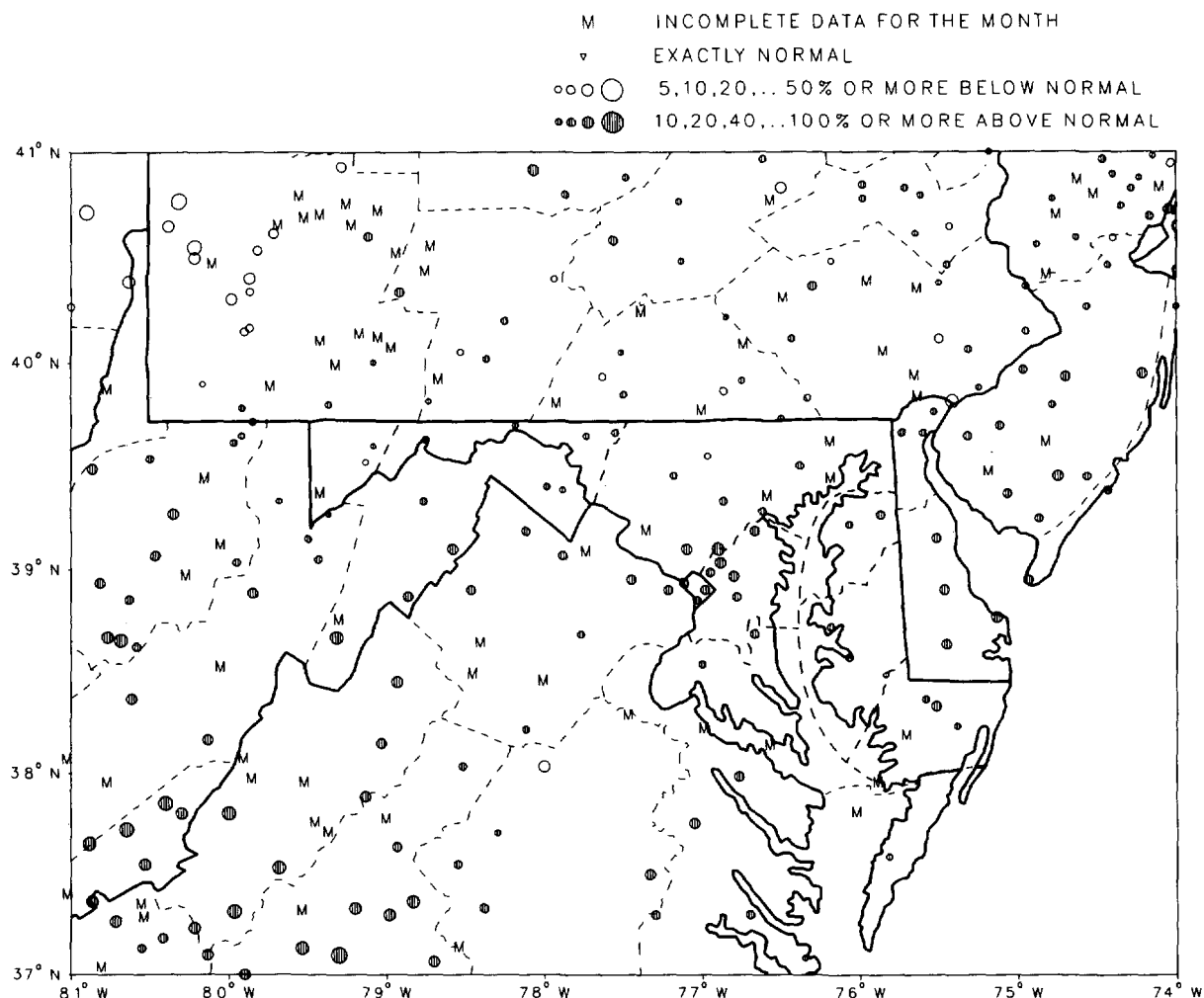
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CLIMATOLOGICAL DATA MARYLAND AND DELAWARE

MARCH 1991

VOLUME 95 NUMBER 3

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



CIRCLE DIAMETER IS PROPORTIONAL TO DEPARTURE ON A CONTINUOUS SCALE

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Kenneth D. Hadlee

DIRECTOR, NATIONAL CLIMATIC DATA CENTER

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CLIMATIC DATA CENTER
ASHEVILLE NORTH CAROLINA

TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND AND
DELAWARE
MARCH 1991

MARYLAND
HIGHEST TEMPERATURE 82
LOWEST TEMPERATURE 3
GREATEST TOTAL PRECIPITATION 6.70
LEAST TOTAL PRECIPITATION 3.29
GREATEST 1 DAY PRECIPITATION 2.75
GREATEST TOTAL SNOWFALL 22.0
GREATEST DEPTH OF SNOW OR ICE 8

DELAWARE
HIGHEST TEMPERATURE 81
LOWEST TEMPERATURE 23
GREATEST TOTAL PRECIPITATION 7.08
LEAST TOTAL PRECIPITATION 4.64
GREATEST 1 DAY PRECIPITATION 1.68
GREATEST TOTAL SNOWFALL .9
GREATEST DEPTH OF SNOW OR ICE 1

MARCH 28
MARCH 12

MARCH 23
MARCH 15

MARCH 28
MARCH 12+

MARCH 3
MARCH 13

2 STATIONS
OAKLAND 1 SE
LAUREL 3 W
SAVAGE RIVER DAM
ROCKVILLE 1 NE
MC HENRY 2 NW
MC HENRY 2 NW

DOVER
3 STATIONS
LEWES
WILMINGTON WSO ARPT R
MILFORD 4 SE R
WILMINGTON WSO ARPT
NEWARK UNIVERSITY FARM

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
MARCH 1991

STATION	TEMPERATURE (°F)													PRECIPITATION (IN)											
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	TOTAL	SNOW DEPTH ON GROUND	SLEET ON GROUND	DATE	NO. OF DAYS		
											90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW									.10 OR MORE	.50 OR MORE	1.00 OR MORE
MARYLAND																									
SOUTHERN EASTERN SHORE 01																									
ASSATEAGUE IS NATL SEA	54.2	38.4	46.3		75.2	8	17.1	11	576	5	0	0	8	0	4.36		1.30	19	.0	0		9	2	2	
PRINCESS ANNE	53.4	37.4	48.4	3.4	79.2	8	24.1	10	513	7	0	0	11	0	1.44		.88	4	.0	0		9	1	0	
SALISBURY	56.0	40.6	50.4	4.4	80.2	8	22.7	12	455	5	0	0	8	0	5.18	.96	1.45	18	.0	0		9	4	1	
SALISBURY FAA ARPT	57.3	37.4	47.4	3.2	80.2	8	25.0	10	539	2	0	0	13	0	6.39	2.31	1.83	29	T	T		9	3	3	
SNOW HILL 4 N	59.3	38.0	48.7	3.7	81.2	8	22.9	9	509	8	0	0	10	0	5.25	.65	1.40	18	.0	0		10	5	1	
--DIVISIONAL DATA----->			48.2	3.1											5.30	1.15			.0						
CENTRAL EASTERN SHORE 02																									
CAMBRIDGE WATER TRMT P	58.6	40.5	49.6	5.1	80.2	8	29.1	7+	479	8	0	0	7	0	5.13	1.07	1.35	18	.0	0		7	5	2	
ROYAL OAK 2 SSW	56.4	39.7	48.1	2.9	76.2	8	27.9	9	524	6	0	0	7	0	5.16	1.09	1.13	18	T	T		8	4	2	
VIENNA	59.0	35.2	47.1	1.5	82.2	8	21.2	12	547	4	0	0	12	0	4.01	.09	1.15	29	.0	0		8	2	1	
--DIVISIONAL DATA----->			48.3	3.4											4.77	.84			.0						
LOWER SOUTHERN 03																									
LA PLATA 1 W	58.7	37.8	48.3	3.1	82.2	8	24.9	9	521	10	0	0	12	0	4.71	.95	1.21	18	T	T		9	3	1	
MECHANICSVILLE 5 NE	58.4	37.7	48.1		81.2	8	22.9	9	529	10	0	0	10	0	4.55		1.35	18	T	T		7	2	2	
OWINGS FERRY LANDING	58.0	37.2	47.6	3.0	79.2	8	24.9	9	538	6	0	0	11	0	5.07	1.53	1.14	18	.0	0		9	4	2	
--DIVISIONAL DATA----->			48.0	2.8											4.78	1.03			.0						
UPPER SOUTHERN 04																									
ANNAPOLIS POLICE BRKS	58.0	38.0	48.0		80.2	8	28.1	6+	525	8	0	0	11	0	6.05		1.30	30	.0	0		9	5	3	
BALTIMORE WSO ARPT	55.7	37.6	46.7	3.4	77.2	8	24.9	9	562	2	0	0	11	0	5.65	1.93	2.36	23	.3	T		10	3	1	
BELTSVILLE	56.3	34.9	45.6	3.7	76.2	9	22.9	9	592	0	0	0	14	0	5.94	2.45	1.40	23	.0	0		11	5	1	
COLLEGE PARK	57.2	37.2	47.2	2.6	78.2	9	21.9	9	542	0	0	0	14	0	5.11	1.46	1.06	23	.0	0		10	5	1	
DALECARLIA RESVR DC	58.8	30.3	44.6	-3.3	79.2	8	13.3	3	627	0	0	0	20	0	5.65	1.82	1.93	23	M	0		10	4	1	
GLENN DALE BELL STN	58.9	35.2	47.1	3.2	80.2	8	22.7	7+	556	5	0	0	15	0	5.92	2.22	1.75	23	T	T		10	5	2	
LAUREL 3 W	56.2	35.7	46.0	1.8	78.2	8	22.2	12	585	2	0	0	11	0	6.70	3.04	2.30	23	M	0		12	3	1	
NATIONAL ARBORETUM DC	57.3	38.1	47.7	2.1	80.2	9	25.9	9	530	1	0	0	10	0	5.43	1.68	1.13	18	.0	0		11	4	2	
UPPER MARLBORO 3 NNW	57.2	34.9	46.1		80.2	9	21.9	9	580	0	0	0	13	0	5.25	1.53	1.28	30	.0	0		11	5	1	
--DIVISIONAL DATA----->			46.6	2.9											5.74	2.06			.1						
NORTHERN EASTERN SHORE 05																									
CHESTERTOWN	55.7	36.7	46.2	2.8	77.2	8	24.2	12	575	1	0	0	11	0	4.92	.94	1.11	23	.3	T		10	3	1	
MILLINGTON 1 SE	57.2	36.6	46.9	4.1	77.2	7	24.1	4+	557	3	0	0	13	0	5.30	1.60	1.11	23	M	.0	0	6	4	1	
--DIVISIONAL DATA----->			46.6	3.1											5.11	1.35			.3						
NORTHERN CENTRAL 06																									
ABERDEEN PHILLIPS FLD		M	M	M	77.2	8	26.1	2			0	0	6	0	3.85				T	T		4	0	0	
BALTIMORE WSO CITY	54.5	38.8	46.7	1.2	79.2	8	25.2	2	567	5	0	0	7	0	5.03	1.10	1.81	23	M	M		10	2	1	
BENSON POLICE BARRACKS	58.6	36.5	47.6	5.5	78.2	8	25.2	2+	534	0	0	0	15	0	5.41	1.37	1.45	23	1.0	1.14		11	3	2	
CATOCTIN MOUNTAIN PARK	51.1	34.5	42.8		69.2	8	18.2	2	680	0	0	0	11	0	5.23		1.22	23	.0	3.14		12	3	2	
CLARKSVILLE 3 NNE	56.8	34.1	45.5		75.2	8	18.9	9	597	1	0	0	14	0	5.42		1.77	23	3.0	1.14		12	3	1	
CONOWINGO DAM	57.2	31.6	44.4	3.3	79.2	8	23.2	6	632	0	0	0	18	0	5.10		1.01	23	M	T		10	3	1	
DAMASCUS 2 SW	54.3	36.8	45.6		73.2	8	20.2	2	599	3	0	0	11	0	4.55		1.53	23	2.6	1.14		12	2	1	
EMMITTSBURG 2 SE	54.7	34.0	44.4		71.2	8	20.2	2+	632	0	0	0	16	0	4.37		1.20	23	5.0	2.14	+	10	3	1	
FREDERICK POLICE BRKS	56.8	37.7	47.3		75.2	8	24.3	3	542	2	0	0	13	0	4.45		1.42	23	.0	0		9	3	1	
MILLERS 4 NE	53.1	35.5	44.3		70.2	8	22.2	2	633	0	0	0	12	0	3.54		.99	23	6.1	4.14		8	2	0	
ROCKVILLE 1 NE	55.1	36.8	46.0	1.9	75.2	8	24.2	2	585	0	0	0	14	0	5.74	2.20	2.75	23	1.0	T		11	2	1	
TOWSON		M	M	M															M	M					

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
MARCH 1991

STATION	TEMPERATURE (°F)													PRECIPITATION (IN)											
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	DEGREE DAYS 90 OR ABOVE	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	SNOW SLEET NO. OF DAYS					
												MAX	32 OR BELOW	32 OR BELOW	0 OR BELOW					TOTAL	MAX. DEPTH ON GROUND	DATE	10 OR MORE	15 OR MORE	1.00 OR MORE
UNIONVILLE	55.5	33.2	44.4	3.5	74	28	16	12	635	1	0	0	14	0	4.05	.67	1.33	23	2.5	T	14	10	2	1	
WESTMINSTER POLICE BRK	56.7	34.8	45.8	4.8	78	29	20	31+	590	0	0	0	13	0	3.80	-.12	1.16	23	2.8	T	14	10	2	1	
WOODSTOCK	56.5	35.7	46.1	4.0	77	28	22	9	580	2	0	0	14	0	5.06	1.12	1.40	23	1.5	T	14	12	2	1	
--DIVISIONAL DATA----->			45.5	3.2											4.72	.90			2.3						
APPALACHIAN MOUNTAIN 07																									
CUMBERLAND 2	56.5	33.9	45.2	3.1	76	2	21	12+	607	0	0	0	16	0	4.38	.77	1.14	4	4.0	T	30	11	2	1	
FROSTBURG 2	46.7	29.6	38.2		70	3	14	13	827	0	0	0	21	0	4.85		1.06	4	10.5	T	15	13	2	1	
HAGERSTOWN	54.6	34.8	44.7	2.6	74	3	20	12	623	0	0	0	14	0	3.76	.38	.80	4	1.1	T	15+	9	3	0	
HANCOCK	55.5	32.8	44.2	4.2	79	3	19	12	640	0	0	0	16	0	3.80	.31	1.11	4	T	T	9	2	1		
--DIVISIONAL DATA----->			43.1	2.1											4.20	.54			3.9						
ALLEGHENY PLATEAU 08																									
MC HENRY 2 NW	47.4	28.7	38.1		75	28	9	12	828	0	0	6	20	0	5.68		.88	23	22.0	M	15+	12	4	0	
OAKLAND 1 SE	51.6	29.0	40.3	3.9	76	27	3	12	760	0	0	2	19	0	4.02		.63	23	14.5	M	13	2	0		
SAVAGE RIVER DAM	50.5	29.9	40.2	3.4	73	3	15	12	761	0	0	1	19	0	3.29	-.09	.82	4	M	5.0	16	9	2	0	
--DIVISIONAL DATA----->			39.5	3.7											4.49	.28			18.3						
DELAWARE																									
NORTHERN 01																									
NEWARK UNIVERSITY FARM	55.9	34.5	45.2	3.1	77	28	24	12	607	0	0	0	14	0	4.69	1.03	.96	23	M	.0	113	11	3	0	
WILMINGTON WSO ARPT	53.9	35.9	44.9	3.1	77	28	23	9	617	1	0	0	11	0	4.64	.77	.95	23	.9	T	0	9	3	0	
WILMINGTON PORTER RSVR	53.0	37.1	45.1	4.1	76	28	23	12	609	1	0	0	9	0	4.68	.61	1.02	23	.0	T	0	8	3	1	
--DIVISIONAL DATA----->			45.1	3.1											4.67	.90			.5						
SOUTHERN 02																									
DOVER	57.7	38.5	48.1	3.8	81	28	25	9	518	3	0	0	7	0	5.65	1.78	.90	23+	.0	T	0	11	5	0	
GEORGETOWN 5 SW	56.0	36.9	46.5	3.0	78	29	25	17+	570	0	0	0	12	0	6.33	2.36	1.49	4	.0	T	0	12	4	2	
GREENWOOD 2 NE	55.8	37.3	46.6		76	28	23	9	569	5	0	0	12	0	5.13		1.17	18	.3	T	0	10	4	2	
LEWES	57.0	40.4	48.7	5.4	79	28	27	12	502	5	0	0	7	0	7.08	2.87	1.34	4	.0	T	0	10	6	3	
MILFORD 4 SE	57.3	38.3	47.8	3.5	78	28	25	13+	531	7	0	0	9	0	6.30	2.27	1.68	3	T	T		11	4	2	
--DIVISIONAL DATA----->			47.5	3.6											6.10	2.07			.1						

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
MARCH 1991

STATION	TOTAL	DAY OF MONTH																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MARYLAND																																
SOUTHERN EASTERN SHORE 01																																
ASSATEAGUE IS NATL SEA	4.36		.28	.05	1.05	.20	.10							.41	.20				.25	1.30	T		.06	.43			.02				.01	
PRINCESS ANNE	M 1.44		.46	.10	.88									.11	.01							.01	.08	.20								
SALISBURY	5.18		.25	.84	.24		T	.13						.25	.28	T			1.45	.04		.01	.08	.20			.02		.95	.85		
SALISBURY FAA ARPT	6.39		.43	1.51	.06		.10	T						1.42	.28				1.42			T	.05	.31	T	.01	.01		1.83	.13		
SNOW HILL 4 N	5.25		.33	.52	.69		T	.10						.13	.32	.01			1.40	T		T	.03	.06	.19		.05		.67	.75		
CENTRAL EASTERN SHORE 02																																
CAMBRIDGE WATER TRMT P	5.13		.13		1.05			.05						.05	.31	.02			1.35	.02			.02	.60			.03		.90	.60		
ROYAL OAK 2 SSW	5.16		.11	.60	.18		.03	.04						.02	.39	.05			1.13	.02		T	.04	1.06	.01		.08		.91	.49		
VIENNA	4.01		.33	.40	.34			.10						.09	.31	.03							.04	.43			.05		1.15		.74	
LOWER SOUTHERN 03																																
LA PLATA 1 W	4.71		.15	.45	.63		.01	.03						T	.26	T			1.21			.02	.03	.44	T		.11		.98	.39		
MECHANICSVILLE 5 NE	4.55		.06	.42	.32		T	.02						T	.28	.01			1.35	T		.02	.03	.39	.01		T	.03	1.19	.42		
OWINGS FERRY LANDING	5.07		.11	.40	.30		.04	.05							.25	.05			1.14			.03	.06	1.12			.12		.90	.50		
UPPER SOUTHERN 04																																
ANNAPOLIS POLICE BRKS	6.05		.07	.20	.45		.03	.11							.54	.04			1.02				.10	1.29	.05				.85	1.30		
BALTIMORE WSO ARPT	5.65		.05	.25	.38		.10			T				.32	.34	T			.80	T		T	.08	2.36	T		.12		.54	.31		
BELTSVILLE	5.94		.13	.65		.12		.16							.34	.13			.91	.01	T	.01	T	1.40	.82	.01	.19		.09	.97		
COLLEGE PARK	5.11		.01	.75				.13			T				.11	.15			.95	T		.01	1.06	.74			.11		.15	.94		
DALECARLIA RESVR DC	5.65		.08	.40	.30		.01	.10							.50	.20			.85	.01		.02	.15	1.93	.01		.08		.57	.44		
GLENN DALE BELL STN	5.92		.13	T	.90		.01	.14						T	.40	.08			1.06	T			.11	1.75	.04		.13		.52	.65		
LAUREL 3 W	6.70		.10	.35	.45		.23							.25	.30				.99				.17	2.30	T		.29		.85	.41		
NATIONAL ARBORETUM DC	5.43		.11	.47	.10			.13							.28	.18			1.13	.04		.02		.91	.84		.12		.05	1.03		
UPPER MARLBORO 3 NNW	5.25		.14	.72				.14							.27	.14			.96	.10		.01	.75	.53			.09		.12	1.28		
NORTHERN EASTERN SHORE 05																																
CHESTERTOWN	4.92		.05	.45	.22		.20	.01						.22	.31	.02			.91			T	.05	1.11	.01		.03	.12		.89	.32	
MILLINGTON 1 SE	5.30		.07	*	.54	.07	.05	.22						.08	.61	.07			.85	.03			.10	1.11	.02		T		*	.85	.63	
NORTHERN CENTRAL 06																																
ABERDEEN PHILLIPS FLD	M 3.85	*	*	*	.83		.02	.16						.02	.33	.02	*	*	.98	T		T	.02	*	*	1.09		.16		.22	-	
BALTIMORE WSO CITY	5.03		.05	.30	.35		.13							.28	.32				.96				.03	1.81			.11		.43	.26		
BENSON POLICE BARRACKS	5.41		.25	.21	.86		.06	.17						.02	.26	.06			1.01	.01			.12	1.45	.04	.03	.31		.10	.45		
CATOCTIN MOUNTAIN PARK	5.23		.28	.30	1.16		.12	.12						.15	.36	.02			.52			.05	.13	1.22	.01		.33		.04	.42		
CLARKSVILLE 3 NNE	5.42		.12	.30	.24		.03	.35						.04	.38	.03			.93	.02		.12	.16	1.77	.03		.22		.17	.51		
CONOWINGO DAM	M 5.10		.08	.42	.61	.07	.38							.03	.47	.05			.79				.17	1.01	.02		.36		.17	.42		
DAMASCUS 2 SW	4.55		.11	.26	.26		.13	.22			T			.06	.19	.02			.84	T	T	.03	.16	1.53	.02		T	.25	.24	.23		
EMMITSBURG 2 SE	4.37		.20	.30	.30		.07	T						.20	.50				.70	T		T	.20	1.20		T	.30		T	.40		
FREDERICK POLICE BRKS	4.45		.14	.11	.64		.07	.31							.30				.63			.03	.09	1.42	.03		.30		T	.38		
MILLERS 4 NE	3.54		.05	.15	.25		.08	.04						.16	.34	.03			.72	.01		T	.07	.99	.01	T	.32		.02	.30		
POTOMAC FILTER PLANT	4.73		.01	.27	.04		.12							.17	.24				.57			.03	.13	2.20		T	.10		.45	.40		
ROCKVILLE 1 NE	5.74		.07	.31	.16		.23			T				.16	.20				.78	T		T	.16	2.75	.01		.15		.47	.28		
TOWSON	M																															
UNIONVILLE	4.05		.05	.20	.13		.06	.19						.12	.25	.02			.80				.14	1.33	.03		.33		.05	.35		
WESTMINSTER POLICE BRK	3.80		.15	.11	.35		.05							.10	.22	.09			.76			.02	.11	1.16	.06		.27		T	.32		
WOODSTOCK	5.06		.13	.25	.33	.04	.04	.27						.14	.40	.02			.95	.02			.15	1.40	.02		.25		.49	.16		
APPALACHIAN MOUNTAIN 07																																
CUMBERLAND 2	4.38		.45		1.14	T		.40						T	.22	.11			.26	.02		.11	.75	.31	T		.38	.02		.21		
EDGE MONT	4.52		.14		1.08	T		.18				T			.23	.21			.52	.02		.03	.03	.73	.64		.28	.02		.41		
FROSTBURG 2	4.85	T	.36		1.06	T		.36	T		T	.02	T	.03	.45	.21	T		.30	.19	.03	.10	.01	.79	.43	.11	T	.25	.03		.12	
HAGERSTOWN	3.76		.31		.80	.01		.16							.03	.16			.30			.02		.63	.71			.31	.01		.31	
HANCOCK	3.80		.14		1.11			.24						T	.23	.06			.29				.87	.42			.16				.28	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
MARCH 1991

STATION	TOTAL	DAY OF MONTH																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
ALLEGHENY PLATEAU 08																																
MC HENRY 2 NW	5.68		.27	T	.84	.11		.58	T		.18	.23		.05	.48	.06			.38	.77	.06	.03	.04	.88	.06	.19	T	.09	.02		.36	T
MERRILL	3.98		.22		.85		T	.30				.04		.05	.22	.01		.35			.03	.37	.15	.80	.13			.25		.24		
OAKLAND 1 SE	M 4.02		.17	.36	.52		.16	.31			.15	.04		.09	.15				.33	.19		.04	.33	.63	.04				.21	.30		
SAVAGE RIVER DAM	3.29		.17		.82	T		.33			.02	T	T	.06	.15	.07			.32	.19		.04	.01	.64	.28	.04		.03	.02		.10	T
DELAWARE																																
NORTHERN 01																																
NEWARK UNIVERSITY FARM	4.69		.30	.33	.53		.14	.21						.02	.35	.07			.78				.05	.96	.03				.32	.20	.40	
WILMINGTON WSO ARPT	4.64		.13	.78	.08		.41							.09	.31	.02			.78	T			.03	.95	.01	T	.08	.30	T	.42	.25	
WILMINGTON PORTER RSVR	4.68		.16	.92	.08		.38								.09				.92	.04			.09	1.02	.06	T	.08	.24	T	.33	.27	
SOUTHERN 02																																
DOVER	5.65		.21		.89			.30						.10	.57	.44			.90	.09				.90	.02			.19	.55	.49		
GEORGETOWN 5 SW	6.33		.03	.41	1.49			.14							.37				.62	.81				.13	.43			.20	.14	1.33		
GREENWOOD 2 NE	5.13		.20	1.01	.05		.08	.15						.30	.28				1.17	T			.05	.43			.23	.02	.68	.50		.21
LEWES	7.08		.82	.76	1.34									.42	.39	.05			1.12					.53				.14	1.02	.49		
MILFORD 4 SE	6.30		.30	1.68	.42		T	.20						.19	.58	.08			1.14				T	.47				.11	.75	.38		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
MARCH 1991

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MARYLAND																																		
SOUTHERN EASTERN SHORE	01																																	
ASSATEAGUE IS NATL SEA	17	MAX OBS MIN OBS	55 37 48 45	56 48 45	55 45	68 47 36 37	55 36 37	54 37	56 46 33 32	54 33 32	47 30 17 19	47 30 17 19	44 32 37 34	45 31 32 42	42 37 34	40 31 32 42	41 31 32 42	52 31 32 42	50 32 42	55 42 45 42	52 42 45 42	58 42 45 42	57 43 40 40	61 43 40 43	53 40 43	65 43 48	56 39 43	53 37 43	62 43	75 65 50	72 52 50	53 35 30	48 30	54.2 38.4
PRINCESS ANNE	17	MAX OBS MIN OBS	68 32 48 51	69 48 51	71 51	64 46 36 32	58 36 32	62 32	61 38 34 25	55 34 25	46 24 28 26	49 27 37 35	48 27 37 35	45 27 37 35	44 27 37 35	42 27 37 35	45 27 37 35	53 27 37 35	60 27 37 35	59 40 44 40	57 44 39 40	61 44 39 40	63 40 40	64 44 43 48	58 43 48	70 48	67 42 43	61 28 43	74 43	79 65 50	77 50	56 36	55 26	59.4 37.4
SALISBURY	17	MAX MIN	68 36	68 53	70 53	63 48	56 37	64 39	62 51	55 35	50 28	50 29	49 31	46 27	45 33	45 36	55 32	61 30	60 31	58 42	57 45	61 41	66 46	66 46	55 45	70 52	66 46	61 37	76 45	80 67	77 51	53 37	52 30	60.2 40.6
SALISBURY FAA ARPT	MID	MAX MIN	68 29	68 59	70 51	60 39	56 35	63 32	60 39	45 31	46 27	48 25	43 30	45 26	40 28	42 36	44 35	54 30	59 26	57 42	55 45	60 39	65 43	66 41	57 44	71 48	62 43	75 46	80 53	58 50	50 30	51 27	57.3 37.4	
SNOW HILL 4 N	18	MAX MIN	68 32	67 47	71 52	61 47	57 34	60 33	60 51	55 35	47 22	51 23	46 27	47 26	42 27	44 38	55 36	58 26	59 35	56 42	61 37	64 40	68 42	56 44	72 49	70 42	60 31	74 47	81 65	78 52	53 38	52 26	59.3 38.0	
CENTRAL EASTERN SHORE	02																																	
CAMBRIDGE WATER TRMT P	16	MAX OBS MIN	66 40	68 58	67 50	64 45	55 37	60 40	57 48	54 36	46 30	51 31	48 35	48 29	49 33	40 36	52 32	59 29	58 42	56 41	61 45	62 45	63 43	55 48	70 44	65 44	59 41	73 44	80 63	78 53	55 36	52 32	58.6 40.5	
ROYAL OAK 2 SSW	18	MAX MIN	63 36	67 52	65 52	60 45	58 38	57 40	55 48	50 34	47 27	50 31	47 33	45 29	42 30	38 33	47 35	54 31	58 29	55 43	56 42	61 40	62 43	60 43	54 44	65 47	58 44	56 34	70 46	76 65	68 50	53 36	52 30	56.4 39.7
VIENNA	18	MAX OBS MIN OBS	65 35 48 45	67 48 45	62 41 30 34	62 41 30 34	58 34 44 34	60 34 44 34	59 44 34 22	51 44 34 22	51 24 27 21	48 24 27 21	47 25 29 29	46 27 29	42 29	47 29	55 27 25 37	60 27 25 37	58 37 25 37	58 39 25 37	62 39 34 41	62 42 41	65 42 44	56 44	69 44	66 39	60 30	71 40	82 55	79 46	55 38	56 25	59.0 35.2	
LOWER SOUTHERN	03																																	
LA PLATA 1 W	18	MAX MIN	69 35	71 54	66 47	60 43	60 31	61 36	58 47	49 34	49 24	46 29	47 31	47 27	41 31	37 32	48 35	56 28	64 28	58 36	56 40	66 33	64 45	62 44	55 44	68 42	63 44	62 32	77 46	82 68	71 46	53 31	54 28	58.7 37.8
MECHANICSVILLE 5 NE	19	MAX MIN	69 35	71 48	65 52	58 45	59 35	62 32	59 48	49 33	48 22	49 26	46 31	48 26	43 29	37 33	46 34	56 27	61 25	58 41	57 43	65 43	64 41	62 45	54 46	67 42	59 30	79 45	81 69	72 50	51 34	52 26	58.4 37.7	
OWINGS FERRY LANDING	17	MAX MIN	67 34	70 47	68 50	58 43	59 36	60 34	56 47	51 30	48 24	49 28	49 31	46 26	46 28	36 32	45 33	56 28	61 26	56 40	56 42	64 34	64 44	63 42	52 43	67 46	60 41	57 30	77 45	79 62	75 47	50 33	52 27	58.0 37.2
UPPER SOUTHERN	04																																	
ANNAPOLIS POLICE BRKS	17	MAX MIN OBS	64 34 22	72 52	70 45	58 43	60 33	55 33	57 44	49 32	51 29	50 30	47 28	49 28	49 29	37 32	48 33	58 28	58 29	59 40	57 40	64 41	62 46	61 46	50 43	64 45	60 41	58 34	69 45	80 65	77 48	52 32	52 31	58.0 38.0
BALTIMORE WSO ARPT	MID	MAX MIN	68 33	72 54	63 52	57 38	58 35	59 32	53 36	47 30	48 24	50 30	46 31	47 28	36 29	38 33	45 36	56 28	61 29	59 42	55 43	62 46	62 45	49 43	61 46	58 42	55 32	71 44	77 56	59 47	47 33	50 30	55.7 37.6	
BELTSVILLE	08	MAX MIN	58 27	68 37	70 51	65 43	49 35	59 29	62 40	53 27	53 22	48 23	51 30	46 24	46 27	36 31	38 33	48 27	55 25	62 41	59 42	55 33	62 42	64 43	55 40	50 42	64 42	59 30	60 43	73 46	76 38	55 32	47 26	56.3 34.9
COLLEGE PARK	09	MAX MIN	58 31	63 52	71 53	65 42	51 32	60 30	62 45	55 31	47 21	50 26	49 28	47 26	38 30	42 31	46 33	57 33	64 28	59 43	56 43	64 45	54 43	60 43	65 45	54 32	60 45	60 45	74 52	78 51	55 34	47 28	57.2 37.2	
DALECARLIA RESVR DC	17	MAX MIN OBS	68 24 49	73 46	69 39	60 26	60 29	62 27	56 37	49 24	48 28	50 21	47 20	46 24	44 13	37 24	49 27	55 19	64 20	60 35	57 31	64 29	65 45	64 32	51 36	66 38	62 41	59 26	74 39	79 51	76 41	54 26	50 24	58.8 30.3
GLENN DALE BELL STN	16	MAX MIN OBS	69 29	70 48	72 52	62 40	59 35	63 27	56 39	53 25	48 34	43 31	50 29	48 23	48 24	35 30	46 32	57 22	64 22	60 39	57 41	63 31	66 44	66 40	51 41	62 44	63 42	61 27	73 43	80 59	78 44	54 32	50 23	58.9 35.2

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
MARCH 1991

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE	
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
LAUREL 3 W	MID	MAX MIN OBS	68 33 51	70 49 50	66 33 50	57 33 51	59 33 50	60 32 50	54 35 50	47 28 25	49 25 25	50 29 22	45 23 22	47 28 22	39 28 29	35 29 33	47 33 37	56 29 37	61 35 37	53 37 37	54 33 41	63 39 41	65 41 41	63 47 40	49 39 40	59 40 40	61 42 45	60 35 45	71 52 52	78 55 55	58 43 28	46 28 29	53 29 29	56.2 35.7	
NATIONAL ARBORETUM DC	08	MAX MIN OBS	59 30 31	70 41 52	72 52 52	67 47 52	51 38 33	60 33 33	62 42 25	55 32 25	49 25 25	50 30 28	50 33 28	46 28 28	48 31 31	38 32 34	38 30 29	47 30 29	57 30 29	64 29 29	58 46 47	56 36 47	64 47 44	56 44 44	50 46 45	65 46 45	62 34 45	61 49 28	74 49 52	80 52 34	55 34 28	48 28 28	57.3 38.1		
UPPER MARLBORO 3 NNW	08	MAX MIN	59 23	69 43	73 51	67 45	50 36	60 29	61 41	55 29	48 21	50 25	51 31	47 25	47 26	38 31	39 33	47 26	57 23	63 37	57 42	56 33	64 41	67 40	51 42	53 42	65 42	61 29	60 41	76 47	80 48	54 33	48 26	57.2 34.9	
NORTHERN EASTERN SHORE	05																																		
CHESTERTOWN	23	MAX MIN	68 33	70 51	67 52	60 38	58 34	61 33	52 38	46 30	47 26	50 28	45 31	46 24	36 27	38 31	48 33	54 31	61 28	55 40	57 42	60 36	64 41	54 44	50 41	61 45	54 41	58 34	69 42	77 54	59 48	50 32	52 30	55.7 36.7	
MILLINGTON 1 SE	18	MAX OBS MIN OBS	65 30 52 49	68 52 49	67 45	59 45	58 36	61 32	61 46	47 31	46 24	49 27	46 29	46 25	44 24	37 24	46 34	54 28	61 26	61 41	57 43	60 37	65 38	65 43	49 39	62 46	55 46	56 30	77 43	76 59	73 46	52 33	51 28	57.2 36.6	
NORTHERN CENTRAL	06																																		
ABERDEEN PHILLIPS FLD	16	MAX MIN	64 31			57 45	59 35	59 38	55 47	51 31		44 32	46 26	46 32	37 35	45 35			55 42	55 43	60 37	63 45	63 46				54 46	55 32	65 45	77 62	76 52			M M	
BALTIMORE WSO CITY	MID	MAX MIN	61 38	72 51	62 52	56 37	59 37	55 39	54 36	45 32	48 28	47 35	43 31	47 25	39 28	35 30	43 34	57 36	58 41	55 40	56 42	63 43	66 46	53 43	48 41	59 45	54 41	54 39	68 44	79 60	60 48	46 32	49 34	54.5 38.8	
BENSON POLICE BARRACKS	17	MAX MIN OBS	64 30 49	74 49	69 45	60 43	60 34	61 32	54 45	49 30	51 25	51 29	50 30	50 25	48 28	36 30	48 32	59 32	63 29	61 40	59 39	65 38	65 41	52 40	65 44	54 44	59 31	65 43	78 52	75 50	55 32	54 28	58.6 36.5		
CATOCTIN MOUNTAIN PARK	17	MAX MIN	61 39	68 48	66 50	55 33	52 30	53 37	48 37	39 26	44 21	39 29	39 24	41 18	34 25	31 26	38 28	48 26	55 34	55 37	48 35	56 37	63 42	64 46	48 37	55 41	52 39	54 32	59 41	69 56	58 44	45 28	47 25	51.1 34.5	
CLARKSVILLE 3 NNE	17	MAX MIN	66 23	73 50	70 44	59 45	58 35	59 26	53 40	45 27	49 18	50 23	45 30	45 22	43 23	35 30	46 33	56 22	62 21	56 41	53 38	61 41	67 41	64 40	52 41	61 42	56 42	58 27	68 43	75 56	70 44	53 31	52 22	56.8 34.1	
CONOWINGO DAM	MID	MAX OBS MIN OBS	60 25 41 39	69 41 39	65 37	63 28	60 28	60 58	61 34	49 27	52 28	52 24	54 27	51 23	40 25	40 28	51 31	58 25	63 28	53 30	59 37	63 32	60 33	53 39	49 35	61 38	57 34	57 27	63 40	79 37	61 44	58 31	51 24	57.2 31.6	
DAMASCUS 2 SW	19	MAX MIN	66 37	71 51	67 51	57 37	57 34	57 39	49 37	45 29	46 22	47 30	43 27	44 20	35 29	33 29	42 31	54 28	61 35	51 41	52 40	60 41	65 42	60 47	47 40	61 39	57 41	57 34	66 43	73 62	62 47	47 30	51 28	54.3 36.8	
EMMITSBURG 2 SE	17	MAX MIN OBS	62 27 47	71 47 43	66 43	58 40	58 36	58 27	58 27	44 25	47 20	47 25	44 28	46 20	45 24	33 29	45 32	55 24	60 23	54 40	53 41	60 43	65 39	55 40	48 41	60 46	54 44	54 27	60 44	71 50	63 47	52 31	50 24	54.7 34.0	
FREDERICK POLICE BRKS	17	MAX MIN	66 35	72 53	72 51	60 39	56 37	58 33	53 43	48 31	47 27	47 29	43 29	44 25	44 24	35 30	46 29	53 30	61 29	61 42	53 41	60 44	64 45	65 48	53 43	62 43	60 42	58 32	65 44	75 58	72 51	57 32	52 29	56.8 37.7	
MILLERS 4 NE	18	MAX MIN	63 35	70 49	70 50	56 37	55 33	57 35	48 39	42 28	45 23	45 27	42 28	43 22	39 27	33 28	41 33	52 27	59 28	51 38	52 38	58 40	64 41	61 46	47 39	56 42	50 30	55 41	62 41	70 56	63 48	48 29	49 26	53.1 35.5	
ROCKVILLE 1 NE	MID	MAX MIN	67 33	72 53	65 53	57 36	59 35	60 34	52 32	45 32	46 25	47 29	43 30	43 24	35 29	35 32	44 32	55 29	61 27	54 42	53 41	62 42	66 45	57 45	49 42	62 42	58 41	59 32	73 45	75 53	57 45	45 29	51 29	55.1 36.8	
TOWSON	18	MAX MIN																																	M M
UNIONVILLE	17	MAX MIN	65 25	72 53	68 42	58 40	58 34	59 27	51 35	45 26	48 18	47 21	44 16	45 23	39 30	34 33	45 33	55 20	61 21	57 41	53 40	61 39	66 39	60 40	50 40	60 40	55 40	57 25	66 44	74 57	67 42	50 30	52 20	55.5 33.2	
WESTMINSTER POLICE BRK	17	MAX OBS MIN	65 36 50	71 50 50	70 50	59 38	68 34	60 38	60 32	43 28	46 23	47 22	43 24	45 21	45 20	35 25	41 33	52 30	60 31	61 31	53 42	61 36	66 42	65 47	49 37	58 40	52 45	58 35	67 42	72 56	78 48	54 22	54 20	56.7 34.8	
WOODSTOCK	18	MAX MIN	67 28	73 51	68 50	58 40	59 33	60 30	53 42	46 28	49 22	48 25	45 29	47 24	43 25	35 30	44 33	56 27	63 25	54 40	54 40	62 40	68 41	66 45	49 40	60 43	58 42	58 29	67 43	77 56	69 46	46 31	49 28	56.5 35.7	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
MARCH 1991

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
APPALACHIAN MOUNTAIN	07																																	
CUMBERLAND 2	18	MAX MIN	65 31	76 48	70 38	55 34	59 31	52 33	51 32	45 24	48 26	44 28	43 21	50 21	44 30	36 30	42 24	56 26	64 26	58 39	51 40	62 42	70 44	68 47	62 43	58 41	63 37	59 37	68 47	69 44	63 32	48 25	53 29	56.5 33.9
FROSTBURG 2	07	MAX MIN	51 23	58 36	70 47	57 31	31 26	49 27	48 34	34 26	35 21	41 20	33 22	33 15	40 14	26 23	29 25	35 20	46 20	54 30	50 32	39 32	53 36	63 41	58 43	55 41	50 34	53 32	47 32	66 44	60 44	50 25	33 21	46.7 29.6
HAGERSTOWN	08	MAX MIN	55 29	65 37	74 51	65 41	44 35	59 35	55 37	48 29	44 23	48 29	47 27	43 20	47 23	33 29	35 30	46 26	55 28	61 41	55 40	52 41	62 42	68 43	55 40	58 44	61 44	57 31	55 38	69 45	73 49	58 31	45 25	54.6 34.8
HANCOCK	08	MAX OBS MIN OBS	58 23	68 32	79 41	65 41	45 35	59 27	51 33	49 30	45 23	49 25	48 28	43 19	33 23	37 31	37 33	45 20	56 20	64 32	57 41	51 39	66 41	65 40	58 44	56 45	61 44	61 28	57 36	71 48	73 43	58 32	45 21	55.5 32.8
ALLEGHENY PLATEAU	08																																	
MC HENRY 2 NW	08	MAX MIN	48 22	59 40	69 46	59 27	29 23	45 27	50 30	30 22	35 18	42 20	30 19	32 9	40 10	27 20	32 24	35 20	50 22	53 35	45 31	36 30	52 33	62 41	65 42	63 42	48 32	54 33	61 43	75 50	60 41	48 21	34 18	47.4 28.7
OAKLAND 1 SE	17	MAX OBS MIN	60 25	70 48	67 39	49 25	48 25	52 26	47 28	36 24	43 16	40 24	31 21	39 3	39 24	30 24	34 27	44 9	57 17	49 40	43 31	52 34	64 37	65 39	64 45	62 36	55 33	61 26	76 48	72 52	56 36	46 22	48 15	51.6 29.0
SAVAGE RIVER DAM	08	MAX MIN	55 25	63 27	73 42	59 34	36 29	51 28	50 31	38 29	39 21	47 22	36 25	36 15	44 16	30 26	34 28	39 20	52 21	58 24	52 34	44 35	55 39	67 39	63 45	58 41	55 37	58 30	51 33	69 45	62 39	55 27	36 21	50.5 29.9
DELAWARE																																		
NORTHERN	01																																	
NEWARK UNIVERSITY FARM	17	MAX MIN	68 27	70 43	69 45	58 45	57 33	64 29	51 37	47 28	46 25	49 29	47 28	45 24	44 25	36 31	47 33	54 28	61 27	59 37	56 41	57 35	60 38	55 39	48 39	60 42	52 40	57 29	63 43	77 45	73 47	53 32	50 25	55.9 34.5
WILMINGTON WSO ARPT	MID	MAX MIN	64 29	69 47	66 48	58 37	57 35	60 33	52 34	44 28	46 23	50 30	43 29	45 24	38 27	37 34	48 33	54 28	58 29	53 42	55 42	57 37	56 41	50 42	46 40	60 43	53 38	54 32	63 44	77 54	57 49	49 33	51 27	53.9 35.9
WILMINGTON PORTER RSVR	MID	MAX MIN	64 37	69 49	71 50	57 37	55 37	60 37	50 33	43 28	44 25	47 32	41 28	44 23	38 28	36 34	45 33	54 31	57 34	52 42	54 40	55 42	57 42	49 42	45 40	59 42	52 39	54 36	63 42	76 55	57 48	47 32	49 31	53.0 37.1
SOUTHERN	02																																	
DOVER	17	MAX MIN OBS	68 35 55	71 57 56	70 56	66 50	58 34	64 41	61 36	47 26	47 25	51 30	46 28	46 26	42 33	40 36	48 37	54 28	61 33	57 37	58 41	61 35	58 38	56 40	56 41	59 46	57 44	55 43	71 43	81 55	76 44	54 33	50 31	57.7 38.5
GEORGETOWN 5 SW	08	MAX MIN	56 38	66 50	58 53	58 52	60 34	56 32	62 41	56 30	53 25	47 28	49 27	43 25	46 25	41 33	44 28	44 28	53 25	60 29	57 45	56 40	59 41	67 41	61 43	48 41	67 43	57 34	60 42	74 53	78 49	49 41	52 28	56.0 36.9
GREENWOOD 2 NE	18	MAX OBS MIN	67 34	67 54	69 52	60 42	55 34	62 32	58 45	45 31	44 23	47 27	42 27	44 24	42 24	39 32	47 35	53 29	59 26	56 39	55 42	58 40	63 40	58 43	50 42	66 44	54 45	57 32	73 43	76 64	64 48	52 34	49 28	55.8 37.3
LEWES	17	MAX MIN	66 41	71 49	67 56	60 48	56 36	63 39	51 51	43 33	43 32	48 30	46 32	43 27	44 29	41 35	43 42	49 32	57 30	55 42	56 44	59 42	64 43	66 45	50 43	69 47	58 44	53 38	74 61	79 49	76 38	50 36	49 29	57.0 40.4
MILFORD 4 SE	17	MAX MIN	67 36	69 50	68 54	61 42	57 36	63 35	59 48	49 31	46 26	49 26	46 29	46 25	44 25	40 33	44 35	54 31	57 27	57 40	57 43	59 41	65 40	62 47	49 42	68 46	60 44	53 34	73 43	78 66	75 48	52 35	49 29	57.3 38.3

SEE REFERENCE NOTES FOLLOWING STATION INDEX

SNOWFALL AND SNOW ON GROUND (INCHES)

MARYLAND AND
DELAWARE
MARCH 1991

STATION		DAY OF MONTH																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MARYLAND																																
SOUTHERN EASTERN SHORE	01																															
SALISBURY FAA ARPT																																
CENTRAL EASTERN SHORE	02																															
ROYAL OAK 2 SSW																																
LOWER SOUTHERN	03																															
LA PLATA 1 W																																
MECHANICSVILLE 5 NE																																
UPPER SOUTHERN	04																															
BALTIMORE WSO ARPT																																
GLENN DALE BELL STN																																
NORTHERN EASTERN SHORE	05																															
CHESTERTOWN																																
NORTHERN CENTRAL	06																															
ABERDEEN PHILLIPS FLD																																
BENSON POLICE BARRACKS																																
CATOCTIN MOUNTAIN PARK																																
CLARKSVILLE 3 NNE																																
DAMASCUS 2 SW																																
EMMITSBURG 2 SE																																
MILLERS 4 NE																																
ROCKVILLE 1 NE																																
WESTMINSTER POLICE BRK																																
WOODSTOCK																																

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 1991

STATION		DAY OF MONTH																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
APPALACHIAN MOUNTAIN	07																																
CUMBERLAND 2															1.0	1.0															2.0		
	SNOWFALL														1	1															2		
	SN ON GND														3.0	3.0															3.0	T	
FROSTBURG 2		T				T			T		T	T	T	.5	3	5	T		1	T	T	.5					T				2	T	
	SNOWFALL																																
	SN ON GND																																
HAGERSTOWN															.5	.3															.3		
	SNOWFALL														1	1															T		
	SN ON GND																																
HANCOCK																																	
	SNOWFALL														T																		
	SN ON GND													T	T																		
ALLEGHENY PLATEAU	08																																
MC HENRY 2 NW					T	1.0			T		2.0	3.0		.5	6.0	.5					4.0	1.0									4.0	T	
	SNOWFALL	1			T	1			T		2	4	3	3	8	8	7	6	1		3	2									3	3	
	SN ON GND																																
MERRILL												1.0		1.1	3.0	T															2.1		
	SNOWFALL											1		1	4	3															2		
	SN ON GND																																
OAKLAND 1 SE					1.0			T			3.5	1.0		1.5	2.5	T					1.7										3.3		
	SNOWFALL																																
	SN ON GND																																
SAVAGE RIVER DAM																																	
	SNOWFALL																																
	SN ON GND																																
DELAWARE																																	
NORTHERN	01																																
NEWARK UNIVERSITY FARM																																	
	SNOWFALL																																
	SN ON GND														1																		
WILMINGTON WSO ARPT															.4	T	T															.5	
	SNOWFALL																															T	
	SN ON GND																																
	WTR EQUIV																																
SOUTHERN	02																																
GREENWOOD 2 NE															.3	T																T	
	SNOWFALL																																
	SN ON GND																																
MILFORD 4 SE																																	
	SNOWFALL																																
	SN ON GND																																

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

STATION INDEX

MARYLAND AND
DELAWARE
MARCH 1991

STATION INDEX										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 ANNAPOLIS POLICE BRKS ASSATEAGUE 1S NATL SEA BALTIMORE WSO ARPT BALTIMORE WSO CITY # BELTSVILLE BENSON POLICE BARRACKS BOYDS 2 NW	0015 0193 0335 0465 0470 0700 0732 1032	06 04 01 04 06 04 06 06	HARFORD ANNE ARUNDEL WORCESTER ANNE ARUNDEL BALTIMORE CI PRINCE GEORG HARFORD MONTGOMERY	39 28 38 59 38 14 39 11 39 17 39 2 39 30 39 13	76 10W 76 30W 75 8W 76 40W 76 37W 76 53W 76 23W 77 20W	57 30 7 148 14 120 365 580	16 17 17 MID MID 08 17 18	16 17 07 MID MID 08 17 18	C H H C C H H H	H H H H H H H H	ROSS AVIATION INC ANNAPOLIS POLICE BRKS NATIONAL PARK SERVICE NATL WEATHER SERVICE OCMI COMMANDING OFFICER US DEPT OF AGRICULTURE MARYLAND STATE POLICE INACTIVE 02/01/91	
CAMBRIDGE WATER TRMT P CATOCTIN MOUNTAIN PARK CHESTERTOWN CLARKSVILLE 3 NNE COLLEGE PARK CONOWINGO DAM CRISFIELD SOMERS COVE CUMBERLAND 2 DALECARLIA RESVR DC	1385 1530 1750 1862 1995 2060 2215 2282 2325	02 06 05 06 04 06 01 07 04	DORCHESTER FREDERICK KENT HOWARD PRINCE GEORG HARFORD SOMERSET ALLEGANY DIS COLUMBIA	38 34 39 39 39 13 39 15 38 59 39 39 37 59 39 38 38 56	76 4W 77 29W 76 4W 76 56W 76 57W 76 10W 75 52W 78 45W 77 7W	10 1610 39 365 90 39 8 730 151	16 17 23 17 09 MID 17 18 17	16 17 23 17 09 MID 17 07 07	C H H H C H H H H	H H H H H H H H H	WASTEWATER TRMT PLANT CATOCTIN MOUNTAIN PARK THOMAS W ELIASON JR UNIVERSITY OF MARYLAND UNIVERSITY OF MARYLAND SUSQUEHANNA ELECTRIC CO INACTIVE 03/01/91 TIMOTHY B THOMAS U S CORPS OF ENGINEERS	
DAMASCUS 2 SW DENTON 2 E EDGE MONT EMMITSBURG 2 SE FREDERICK POLICE BRKS FROSTBURG 2 GLENN DALE BELL STN HAGERSTOWN HANCOCK	2335 2523 2770 2906 3348 3415 3675 3975 4030	06 02 07 06 06 07 04 07 07	MONTGOMERY CAROLINE WASHINGTON FREDERICK FREDERICK ALLEGANY PRINCE GEORG WASHINGTON WASHINGTON	39 16 38 53 39 40 39 41 39 25 39 40 38 58 39 39 39 42	77 14W 75 48W 77 33W 77 18W 77 26W 78 56W 76 48W 77 44W 78 11W	722 49 905 420 381 2172 151 659 428	19 17 07 17 17 07 16 08 08	19 17 07 17 17 07 16 08 08	H H H H H H H H C	H H H H H H H H H	RICHARD W SCHWERDT INACTIVE 04/01/90 JOHN W HARNE MRS LUCILLE K BEALE MARYLAND STATE POLICE LEE K CLOSE USDA PLT INTRODUCT STN HAGERSTOWN RESERVOIR TOWN OF HANCOCK	
LA PLATA 1 W LAUREL 3 W MC HENRY 2 NW MECHANICSVILLE 5 NE MERRILL MILLERS 4 NE MILLINGTON 1 SE NATIONAL ARBORETUM DC OAKLAND 1 SE	5080 5111 5832 5865 5894 5934 5985 6350 6620	03 04 08 03 08 06 05 04 08	CHARLES PRINCE GEORG GARRETT ST MARYS GARRETT CARROLL KENT DIS COLUMBIA GARRETT	38 32 39 6 39 35 38 27 39 36 39 43 39 16 38 54 39 24	77 0W 76 54W 79 22W 76 41W 79 5W 76 48W 75 52W 76 59W 79 24W	140 400 2680 100 1791 860 30 49 2421	18 MID 08 19 09 18 18 08 17	18 MID 08 19 09 18 18 08 17	C H H H C H H H H	H H H H H H H H H	C RUSSELL LEVERING WASH SUB SANY COMM JOSEPH F JOHENNING SANDRA J HASTINGS DELWOOD E MERRILL ROBERT P MILLER HOWARD L HARVEY U S NATL ARBORETUM BEA J CROSCO	
OWINGS FERRY LANDING POTOMAC FILTER PLANT PRINCESS ANNE ROCKVILLE 1 NE ROYAL OAK 2 SSW SALISBURY SALISBURY FAA ARPT # SAVAGE RIVER DAM SNOW HILL 4 N	6770 7272 7330 7705 7806 8000 8005 8065 8380	03 06 01 06 02 01 01 08 01	CALVERT MONTGOMERY SOMERSET MONTGOMERY TALBOT WICOMICO WICOMICO GARRETT WORCESTER	38 41 39 2 38 13 39 6 38 43 38 22 38 20 39 31 38 14	76 40W 77 15W 75 41W 77 6W 76 11W 75 35W 75 31W 79 8W 75 23W	160 269 20 440 10 10 48 1495 30	17 17 17 MID 18 17 MID 08 18	17 08 17 17 18 17 MID 08 18	H H H H H H H H H	H H H H H H H H H	JAMES C RASMUSSEN POTOMAC WATER FILT PLT UNIV OF MD EASTERN SHORE WASHINGTON GAS AND LIGHT JOHN L SWAINE JR CITY OF SALISBURY FAA US CORPS OF ENGINEERS CURTIS E SHOCKLEY	
TALL TIMBERS TOWSON UNIONVILLE UPPER MARLBORO 3 NNW VIENNA WESTMINSTER POLICE BRK WOODSTOCK	8757 8877 9030 9070 9140 9440 9750	03 06 06 04 02 06 06	ST MARYS BALTIMORE FREDERICK PRINCE GEORG DORCHESTER CARROLL BALTIMORE	38 10 39 23 39 27 38 52 38 29 39 33 39 20	76 33W 76 34W 77 11W 76 47W 75 50W 76 58W 76 52W	12 390 430 98 10 765 459	17 18 17 08 18 17 18	17 18 07 08 18 17 18	H C H H H H H	H H H H H H H	INACTIVE 01/01/91 BENDIX FRIEZ RICHARD GETZANDANNER UNIVERSITY OF MARYLAND DELMARVA POWER & LIGHT MARYLAND STATE POLICE JOHN A HILTZ	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
MARCH 1991

MARCH 1991

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

SEE REFERENCE NOTES FOLLOWING STATION INDEX

REFERENCE NOTES

MARYLAND AND
DELAWARE
MARCH 1991

DEFINITIONS

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

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

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

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

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

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

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

SYMBOLS AND LETTERS USED IN THE STATION INDEX TABLE

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

SYMBOLS AND LETTERS USED IN THE DATA TABLES

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

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

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

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

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

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

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

// Rain gage equipped with a windshield.

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

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

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

R Amounts from recording rain gage.

T Trace. An amount too small to measure.

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

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

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

Information concerning the history of changes in locations, exposure, etc. of substations is kept on file at the National Climatic Data Center. Historical information for regular National Weather Service Offices may be obtained from the "Local Climatological Data" annual publication. The contents of this publication may be reprinted or otherwise used freely, with proper credit to the National Climatic Data Center. The data are also available in digital form on magnetic tape and diskette.

SUBSCRIPTION, PRICE AND ORDERING INFORMATION AVAILABLE FROM:

NATIONAL CLIMATIC DATA CENTER
FEDERAL BUILDING
ASHEVILLE, NC 28801-2696

USCOMM-NOAA-ASHEVILLE, N.C. MARCH 1991-0585

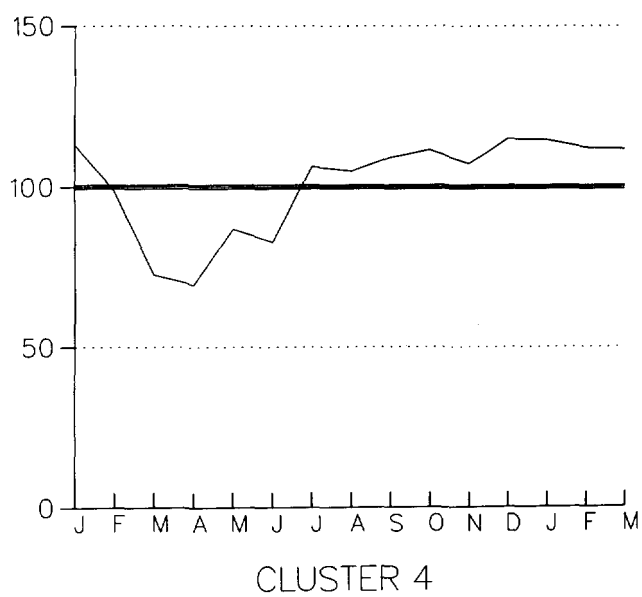
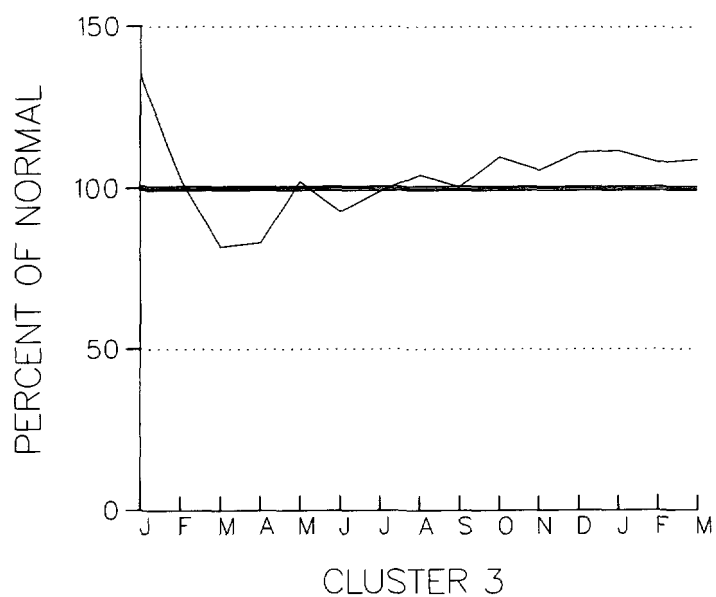
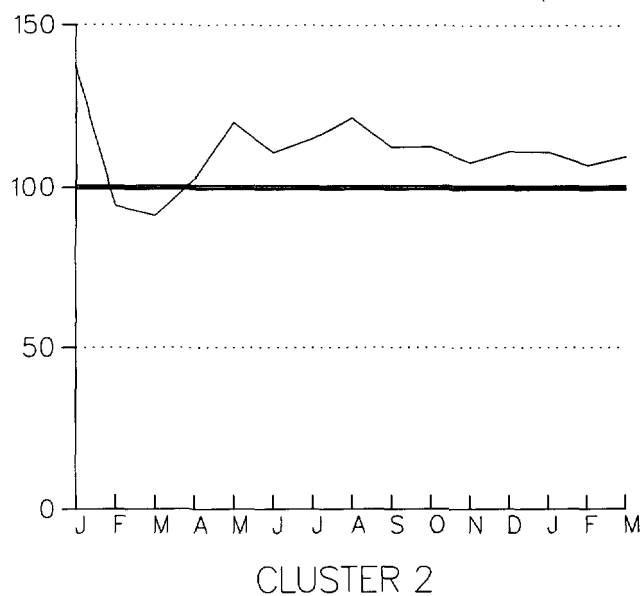
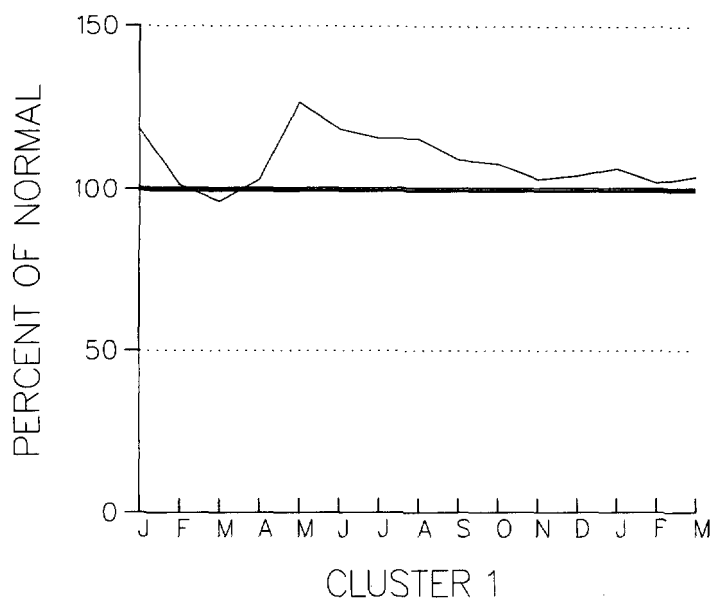
CUMULATIVE PRECIPITATION DEPARTURES FROM NORMAL (1951-1980) FOR THE LAST 15 MONTHS ENDING MARCH 1991 MARYLAND

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

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

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

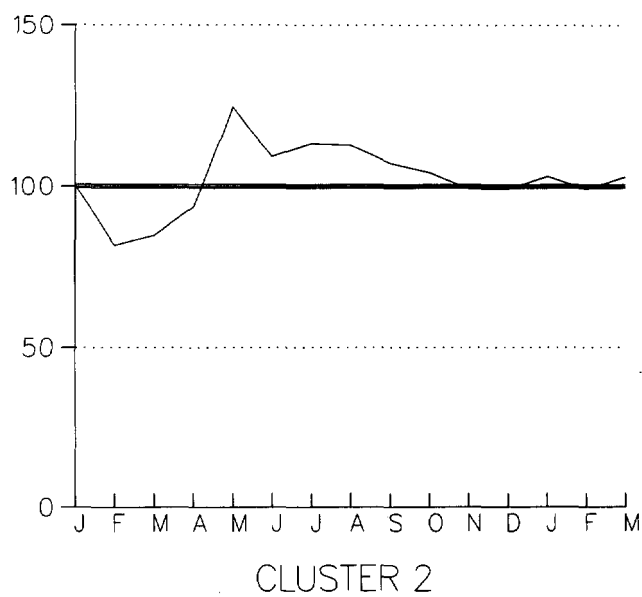
CLUSTER 4 -DIVISION(S):
ALLEGHENY PLATEAU 08



CUMULATIVE PRECIPITATION DEPARTURES FROM NORMAL (1951-1980) FOR THE LAST 15 MONTHS ENDING MARCH 1991 DELAWARE

CLUSTER 1 -DIVISION(S):
 NORTHERN 01

CLUSTER 2 -DIVISION(S):
 SOUTHERN 02



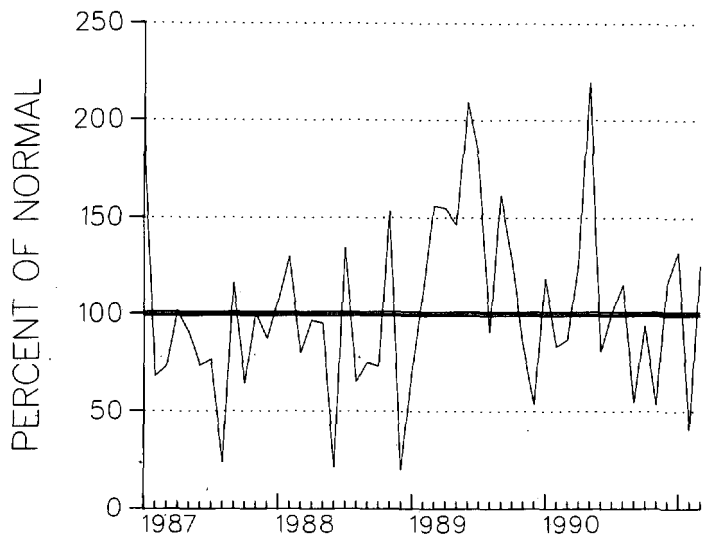
PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)
FOR THE 51 MONTHS
ENDING MARCH 1991
MARYLAND

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

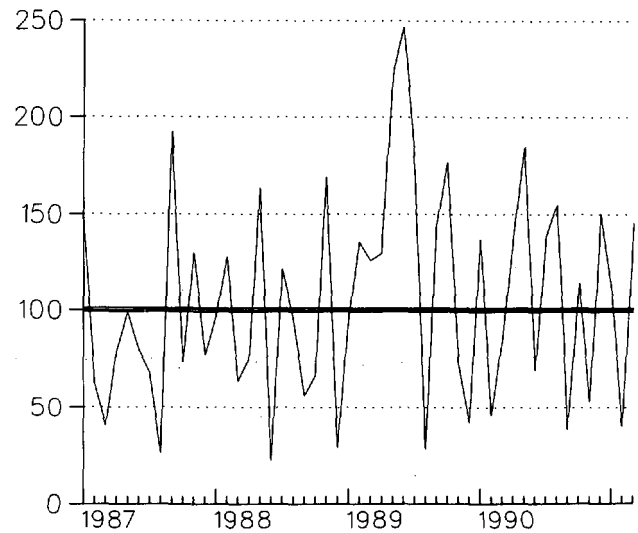
CLUSTER 2 -DIVISION(S):
UPPER SOUTHERN 04
NORTHERN EASTERN SHORE 05

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

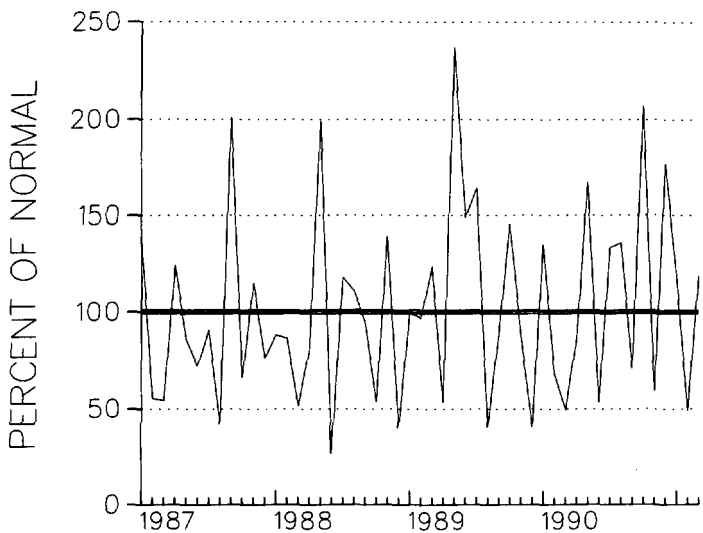
CLUSTER 4 -DIVISION(S):
ALLEGHENY PLATEAU 08



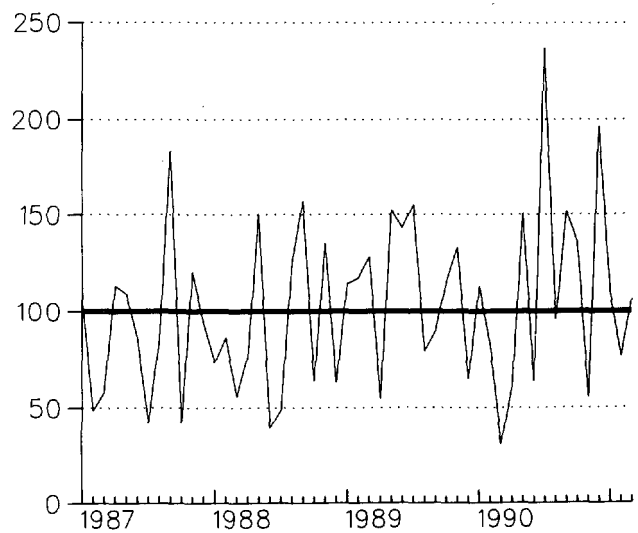
CLUSTER 1



CLUSTER 2



CLUSTER 3

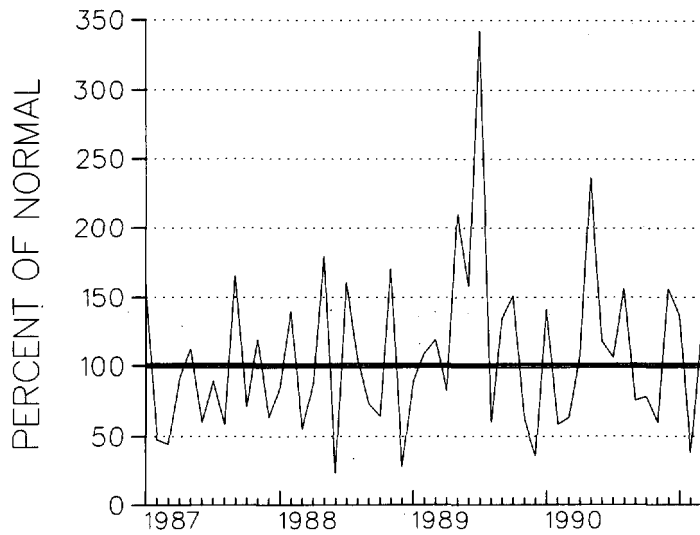


CLUSTER 4

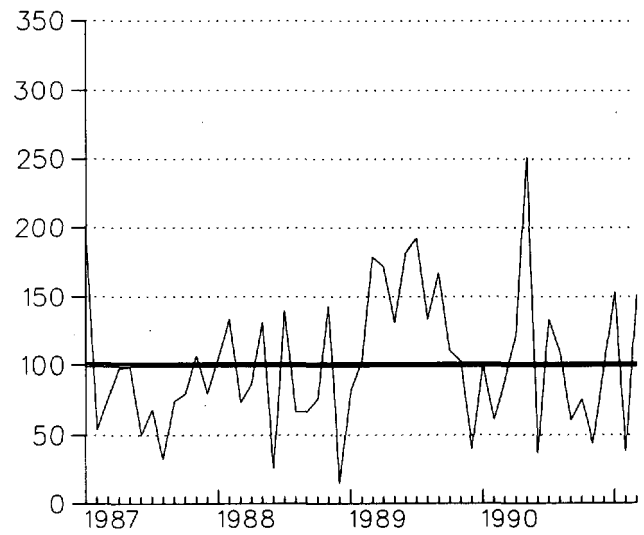
PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)
FOR THE 51 MONTHS
ENDING MARCH 1991
DELAWARE

CLUSTER 1 - DIVISION(S):
NORTHERN 01

CLUSTER 2 - DIVISION(S):
SOUTHERN 02



CLUSTER 1



CLUSTER 2

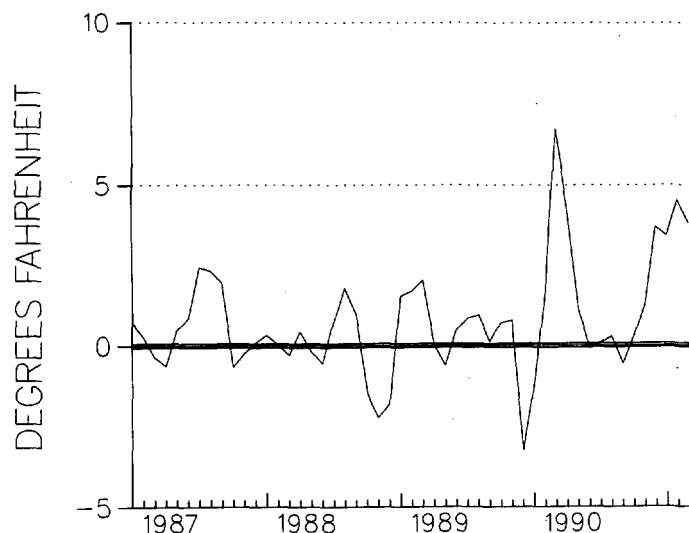
TEMPERATURE DEPARTURES FROM NORMAL (1951-1980) THREE MONTH RUNNING MEAN FOR THE 51 MONTHS ENDING WITH MARCH 1991 DATA MARYLAND

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

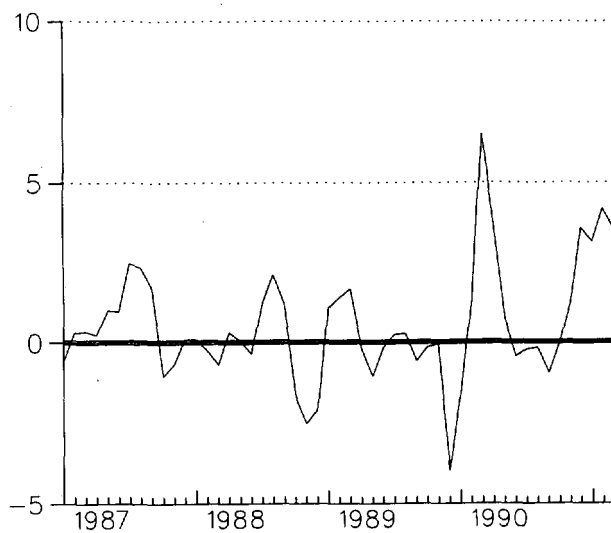
CLUSTER 2 -DIVISION(S):
 UPPER SOUTHERN 04
 NORTHERN EASTERN SHORE 05

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

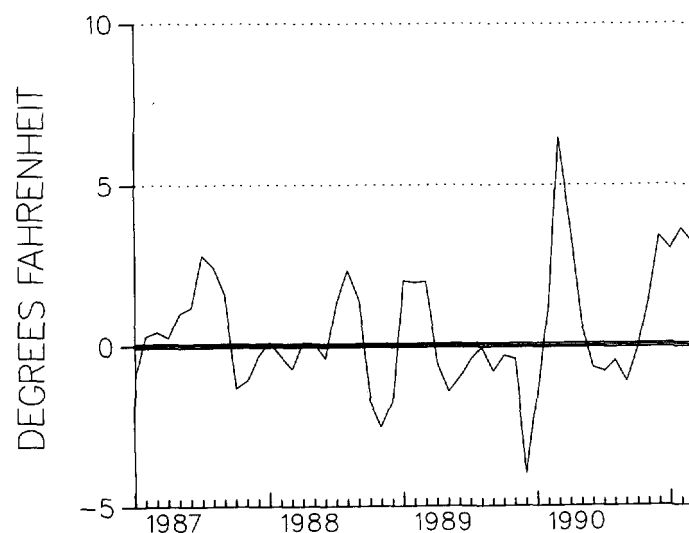
CLUSTER 4 -DIVISION(S):
 ALLEGHENY PLATEAU 08



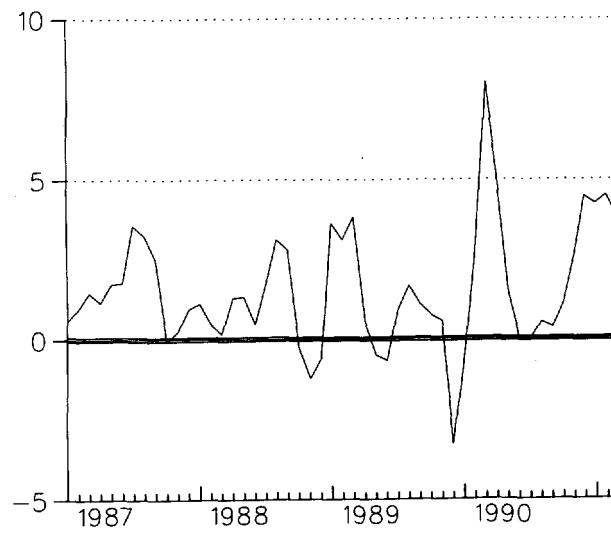
CLUSTER 1



CLUSTER 2



CLUSTER 3

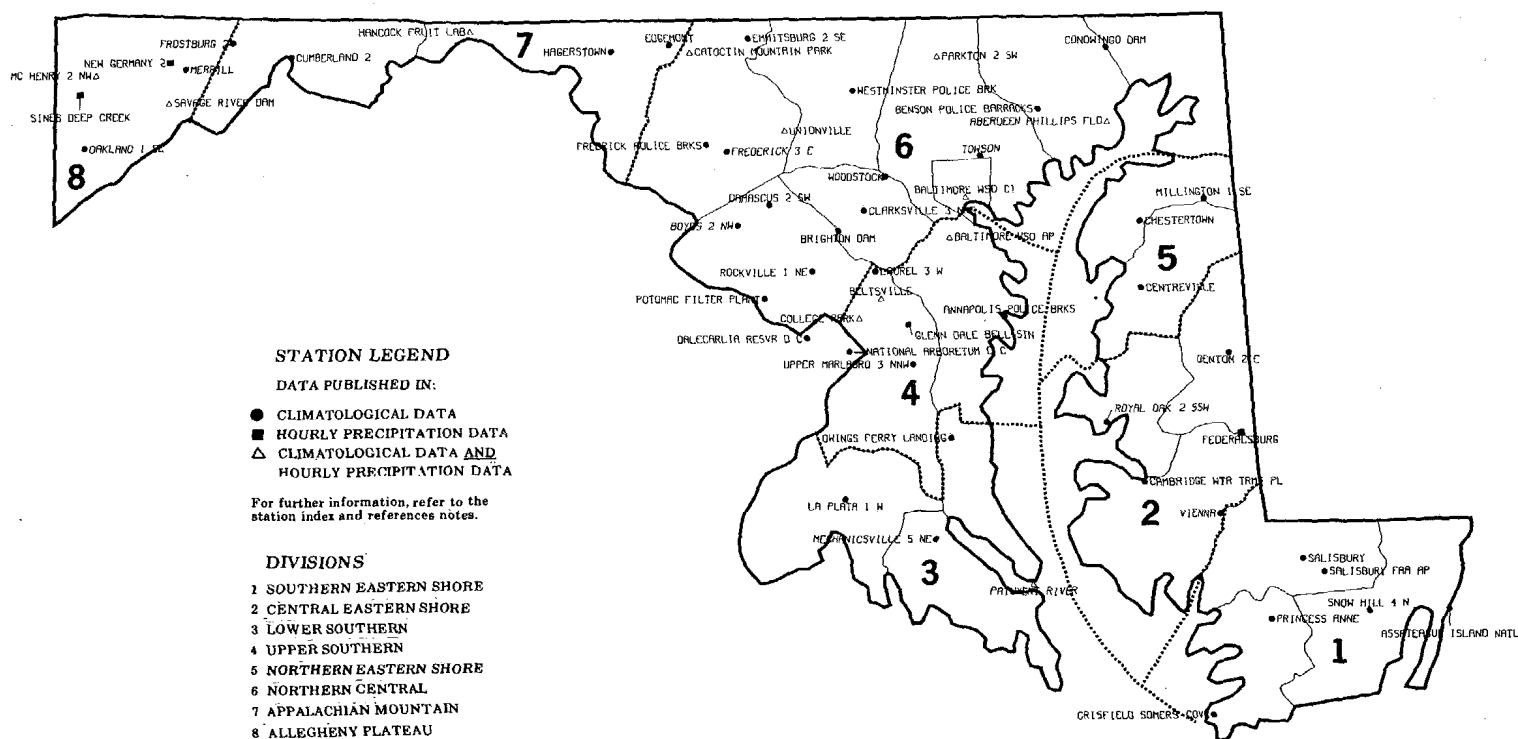
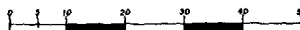


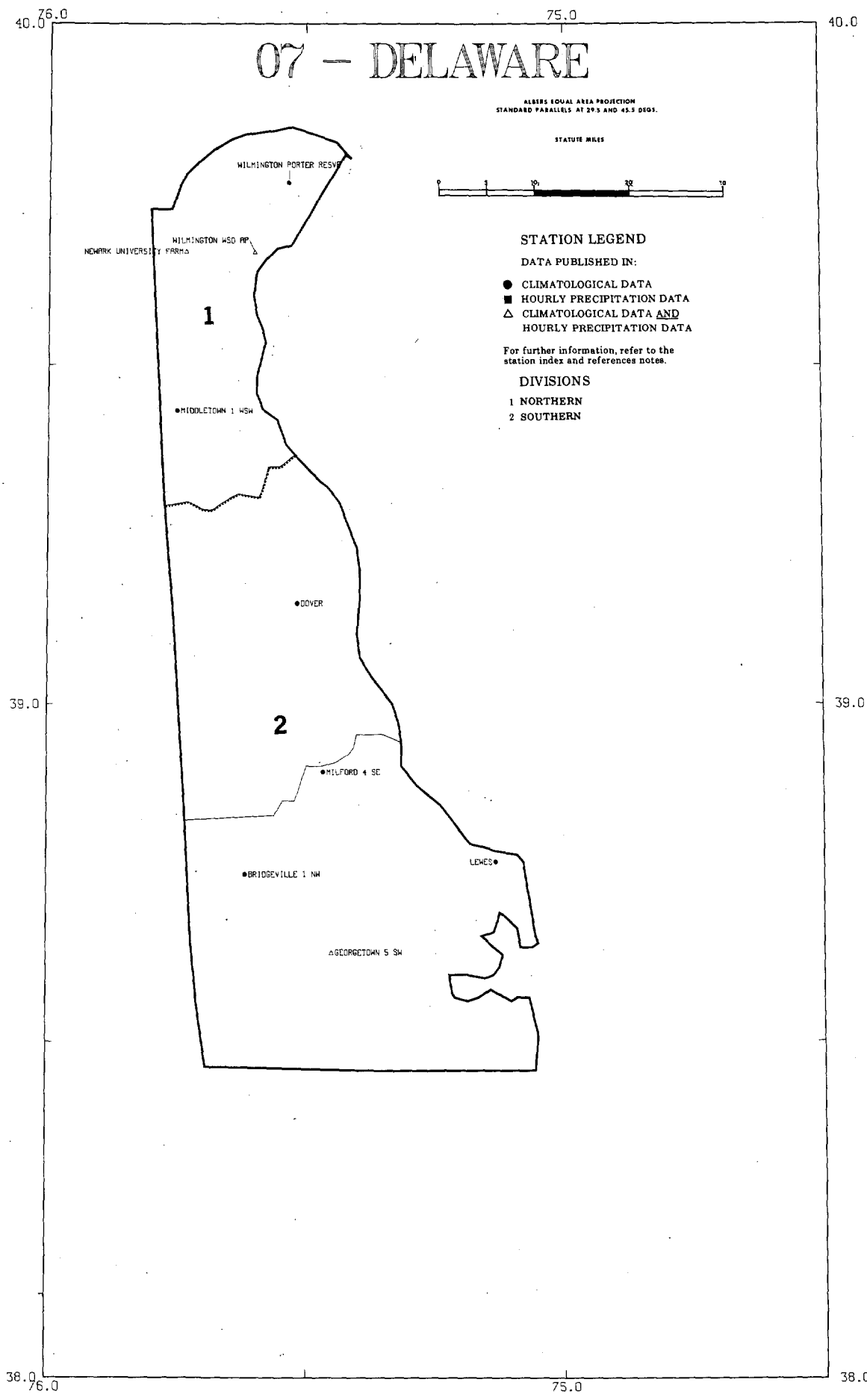
CLUSTER 4

18 - MARYLAND & D.C.

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

STATUTE MILES





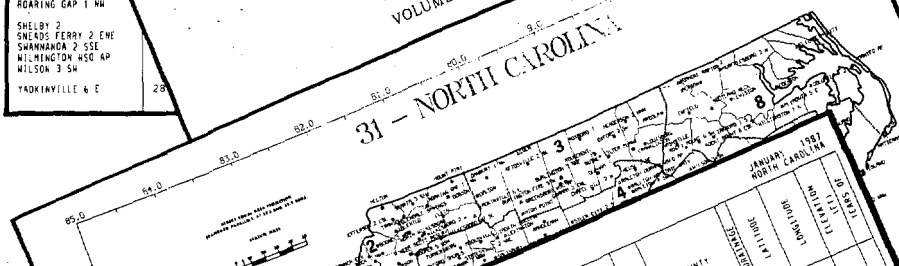
MONTHLY PRECIPITATION TOTALS											
STATION	ANNUAL	MONTH									
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
NORTH CAROLINA											
ASHEVILLE WSO AP	34.52	1.11	1.05	2.75	0.57	2.55				4.19	5.28
ASHEVILLE	25.67	0.71	1.57	1.81	0.53	2.55				2.77	4.15
ASHFORD	36.74E	1.20	2.70	2.90	0.54C					3.80	4.90
BABIN		1.70	1.30	2.60	1.20					2.40	4.10
B EVERETT JORDAN DAM			1.50	3.50							1.70
BOOMER 5 WSO		1.00	2.10								
BURLINGTON 3 WNE		0.80	1.40								
CAPE HATTERAS WSO	48.86	5.75									
CARTHAGE 8 SE		1.70									
CATALDOCHEE		0.53									
CHARLOTTE WSO AP	26.91										
CLINTON 2 NE	35										
COLUMBIA											
ELLEN											
ELIZABETH											
FRANK											
GREENSBORO											
GREENVILLE											
HELIOT											
HOBOKEN											
LAKE LURE											
LAURENCEBURG											
LEXINGTON											
MADISONVILLE 2											
MORRISVILLE 2											
MOUNT PLEASANT											
N WILKESBORO 12											
POLKTON 2 NE											
QUEBEC											
RALEIGH-DURNHAM WSO											
ROANKE RAPIDS											
ROARING GAP 1 NW											
SHELBY 2											
SNEADS FERRY 2 ENE											
SWANNAHOTA 2 SSE											
WILKESBORO WSO AP											
WILSON 3 SW											
YADKINVILLE 6 E											

HOURLY PRECIPITATION DATA NORTH CAROLINA

DECEMBER 1987
WITH ANNUAL SUPPLEMENT
VOLUME 37 NUMBER 12

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- * Energy



STATION INDEX											
STATION	COUNTY	STATION	COUNTY	STATION	COUNTY	STATION	COUNTY	STATION	COUNTY	STATION	COUNTY
NORTH CAROLINA		ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN
ASHEVILLE WSO AP		ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN
ASHEVILLE		ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN
ASHEVILLE		ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN
ASHEVILLE		ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN
ASHEVILLE		ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN
ASHEVILLE		ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN
ASHEVILLE		ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN
ASHEVILLE		ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN
ASHEVILLE		ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN	ASHEVILLE	SWAIN

MONTHLY PRECIPITATION MAXIMA											
MAXIMA FOR MEASUREMENT PERIODS OF											
HOURS											
MINUTES											
STATION											
NORTH CAROLINA											
ASHEVILLE WSO AP											
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HOURLY PRECIPITATION											
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STATION											
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ASHEVILLE WSO AP											
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Phone (704) 259-0682 or (704) CLIMATE

HOURLY PRECIPITATION DATA NORTH CAROLINA

JANUARY 1987
VOLUME 37 NUMBER 1



HOURLY PRECIPITATION DATA is published monthly and presents daily, hourly, and maximum short duration data for recording rain gage stations in each state except Alaska. Also included are a published station index and a locator map for the state. In addition to the regularly published data, the December publication contains a tabulation of monthly and annual total precipitation amounts as an annual supplement.

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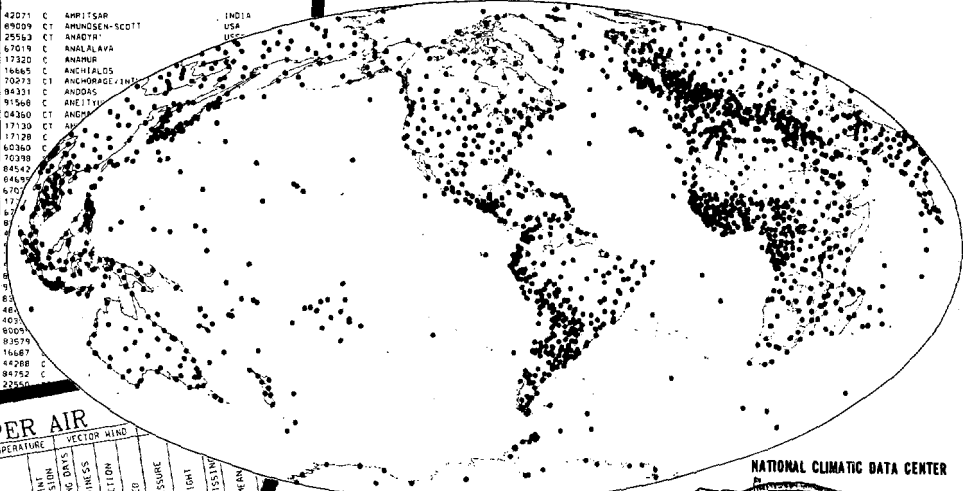
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NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE
NATIONAL CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

CLIMATIC DATA STATIONS - WORLDWIDE

STATION LIST WMO PUB 9 VOL A

12246 C	ISCHIAI MARIT	ISLAND	42071 C	AMSTERDAM	INDIA
40831 C	ABADAN	IRAN, ISLAMIC REP	40909 C	AMUNDSEN-SCOTT	USA
47409 C	ABASHIRI	JAPAN	25563 C	ANADAPA	USA
71108 C	ABORTSFORD, B.C.	CANADA	67019 C	ANALALAVA	
64756 C	ABECHE	CHAD	17320 C	ANANUR	
43091 C	ABERDEEN/DOYCE	U.K. INDOON	18865 C	ANCHIALLOS	
41112 C	ABRA	SAUDI ARABIA	70273 C	ANCHORAGE/INTL	
45578 C	ABU DHABI	U.A.E. INDOON	84331 C	ANDROS	
72266 C	ABILENE, TX	USA	91568 C	ANEITTI	
41216 C	ABU DHABI BATEEN AIRPORT	U.A.E. EMIRATES	24260 C	ANDRI	
41217 C	ABU DHABI INTL AIRPORT	U.A.E. EMIRATES	17120 C	ANDRI	
62640 C	ABU HAMED	SUDAN	17120 C	ANDRI	
62795 C	ABU HARANA	SUDAN	60360 C	ANDRI	
78050 C	ACAJUTLA	EL SALVADOR	70280 C	ANDRI	
78005 C	ACAPULCO, GRO.	MEXICO	84542 C	ANDRI	
80427 C	ACARIGUA	VENEZUELA	64629 C	ANDRI	
17252 C	ADANA	TURKEY	67019 C	ANDRI	
63450 C	ADDIS ABABA	ETHIOPIA	17120 C	ANDRI	
94672 C	ADDIS ABABA	ETHIOPIA	17120 C	ANDRI	
41467 C	ADDIS ABABA	ETHIOPIA	17120 C	ANDRI	
45585 C	ADIAKE	COTE D'IVOIRE	17120 C	ANDRI	
40820 C	ADIR	ALGERIA	17120 C	ANDRI	
76479 C	AEROP. INTL. MEXICO, D.F.	MEXICO	17120 C	ANDRI	
76444 C	AEROP. INTL. MEXICO, D.F.	MEXICO	17120 C	ANDRI	
76394 C	AEROP. INTL. MONTERREY, N.L.	MEXICO	17120 C	ANDRI	
87582 C	AEROP. INTL. MONTERREY, N.L.	MEXICO	17120 C	ANDRI	
17190 C	AFTON	ARGENTINA	17120 C	ANDRI	
41024 C	AGADEZ	NIGER	17120 C	ANDRI	
40290 C	AGADIR	MOROCCO	17120 C	ANDRI	
61974 C	AGALEGA	MAURITIUS	17120 C	ANDRI	
42261 C	AGRA	INDIA	17120 C	ANDRI	
18672 C	AGRIKON (AIRPORT)	GREECE	17120 C	ANDRI	
42547 C	AGRIKON (AIRPORT)	GREECE	17120 C	ANDRI	
60560 C	AIN SEFRA	ALGERIA	17120 C	ANDRI	
61499 C	AJMAN EL ATRUSS	PALESTINE	17120 C	ANDRI	
67161 C	AJACCIO	FRANCE	17120 C	ANDRI	
31168 C	AJMAN	U.A.E.	17120 C	ANDRI	
17184 C	AKHISAR	TURKEY	17120 C	ANDRI	
47982 C	AKHISAR	TURKEY	17120 C	ANDRI	
41437 C	AKHISAR	TURKEY	17120 C	ANDRI	



NATIONAL CLIMATIC DATA CENTER



ASIA-JAPAN									
STATION	LEVEL	TEMPERATURE	VECTOR WIND	LEVEL	TEMPERATURE	VECTOR WIND	LEVEL	TEMPERATURE	VECTOR WIND
NO.	HEIGHT	MEAN	DEPRESSION	NO.	HEIGHT	MEAN	DEPRESSION	NO.	HEIGHT
1000	1000	10.0	0.0	1000	1000	10.0	0.0	1000	1000
1001	1001	10.1	0.1	1001	1001	10.1	0.1	1001	1001
1002	1002	10.2	0.2	1002	1002	10.2	0.2	1002	1002
1003	1003	10.3	0.3	1003	1003	10.3	0.3	1003	1003
1004	1004	10.4	0.4	1004	1004	10.4	0.4	1004	1004
1005	1005	10.5	0.5	1005	1005	10.5	0.5	1005	1005
1006	1006	10.6	0.6	1006	1006	10.6	0.6	1006	1006
1007	1007	10.7	0.7	1007	1007	10.7	0.7	1007	1007
1008	1008	10.8	0.8	1008	1008	10.8	0.8	1008	1008
1009	1009	10.9	0.9	1009	1009	10.9	0.9	1009	1009
1010	1010	11.0	1.0	1010	1010	11.0	1.0	1010	1010
1011	1011	11.1	1.1	1011	1011	11.1	1.1	1011	1011
1012	1012	11.2	1.2	1012	1012	11.2	1.2	1012	1012
1013	1013	11.3	1.3	1013	1013	11.3	1.3	1013	1013
1014	1014	11.4	1.4	1014	1014	11.4	1.4	1014	1014
1015	1015	11.5	1.5	1015	1015	11.5	1.5	1015	1015
1016	1016	11.6	1.6	1016	1016	11.6	1.6	1016	1016
1017	1017	11.7	1.7	1017	1017	11.7	1.7	1017	1017
1018	1018	11.8	1.8	1018	1018	11.8	1.8	1018	1018
1019	1019	11.9	1.9	1019	1019	11.9	1.9	1019	1019
1020	1020	12.0	2.0	1020	1020	12.0	2.0	1020	1020

EUROPE-NORWAY

EUROPE-NORWAY									
STATION	LEVEL	TEMPERATURE	VECTOR WIND	LEVEL	TEMPERATURE	VECTOR WIND	LEVEL	TEMPERATURE	VECTOR WIND
NO.	HEIGHT	MEAN	DEPRESSION	NO.	HEIGHT	MEAN	DEPRESSION	NO.	HEIGHT
1000	1000	10.0	0.0	1000	1000	10.0	0.0	1000	1000
1001	1001	10.1	0.1	1001	1001	10.1	0.1	1001	1001
1002	1002	10.2	0.2	1002	1002	10.2	0.2	1002	1002
1003	1003	10.3	0.3	1003	1003	10.3	0.3	1003	1003
1004	1004	10.4	0.4	1004	1004	10.4	0.4	1004	1004
1005	1005	10.5	0.5	1005	1005	10.5	0.5	1005	1005
1006	1006	10.6	0.6	1006	1006	10.6	0.6	1006	1006
1007	1007	10.7	0.7	1007	1007	10.7	0.7	1007	1007
1008	1008	10.8	0.8	1008	1008	10.8	0.8	1008	1008
1009	1009	10.9	0.9	1009	1009	10.9	0.9	1009	1009
1010	1010	11.0	1.0	1010	1010	11.0	1.0	1010	1010
1011	1011	11.1	1.1	1011	1011	11.1	1.1	1011	1011
1012	1012	11.2	1.2	1012	1012	11.2	1.2	1012	1012
1013	1013	11.3	1.3	1013	1013	11.3	1.3	1013	1013
1014	1014	11.4	1.4	1014	1014	11.4	1.4	1014	1014
1015	1015	11.5	1.5	1015	1015	11.5	1.5	1015	1015
1016	1016	11.6	1.6	1016	1016	11.6	1.6	1016	1016
1017	1017	11.7	1.7	1017	1017	11.7	1.7	1017	1017
1018	1018	11.8	1.8	1018	1018	11.8	1.8	1018	1018
1019	1019	11.9	1.9	1019	1019	11.9	1.9	1019	1019
1020	1020	12.0	2.0	1020	1020	12.0	2.0	1020	1020

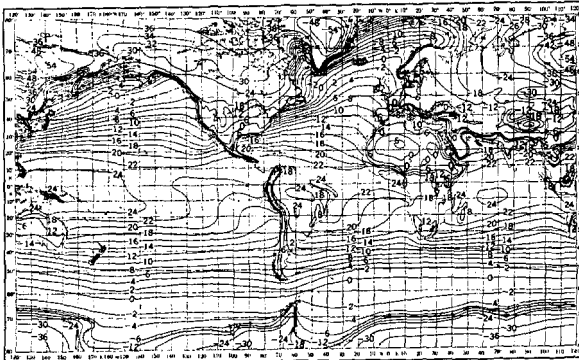
JANUARY 1988
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MONTHLY CLIMATIC
DATA FOR THE WORLDPREPARED IN COOPERATION WITH THE
WORLD METEOROLOGICAL ORGANIZATION

JANUARY

DEW-POINT TEMPERATURE (°C) - MEANS

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monthly summaries of climatic data from around the world. Data
are prepared by Members of the World Meteorological Organization
for selected stations and exchanged via the Global
Telecommunications System in coded format.Tables of both Surface and Upper Air data are presented. Surface
data tables contain elements of pressure, temperature, vapor
pressure, precipitation, and sunshine. Upper Air tables contain
geopotential heights, temperatures, dew point depressions, and
vector winds for ten selected pressure levels between the surface
and thirty millibars (hectopascals). A Station List is also
provided which, in the January and July editions, contains all
stations authorized for publication. In other months the list
contains only those stations from which data no more than two
months old have been recently received.Currently, world maps of long term mean temperatures, dew points,
and sea level pressures are included on the cover of the MCDW.
The maps are generally representative of conditions during the
1950's to mid-1970's, however some data may be from as early
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