

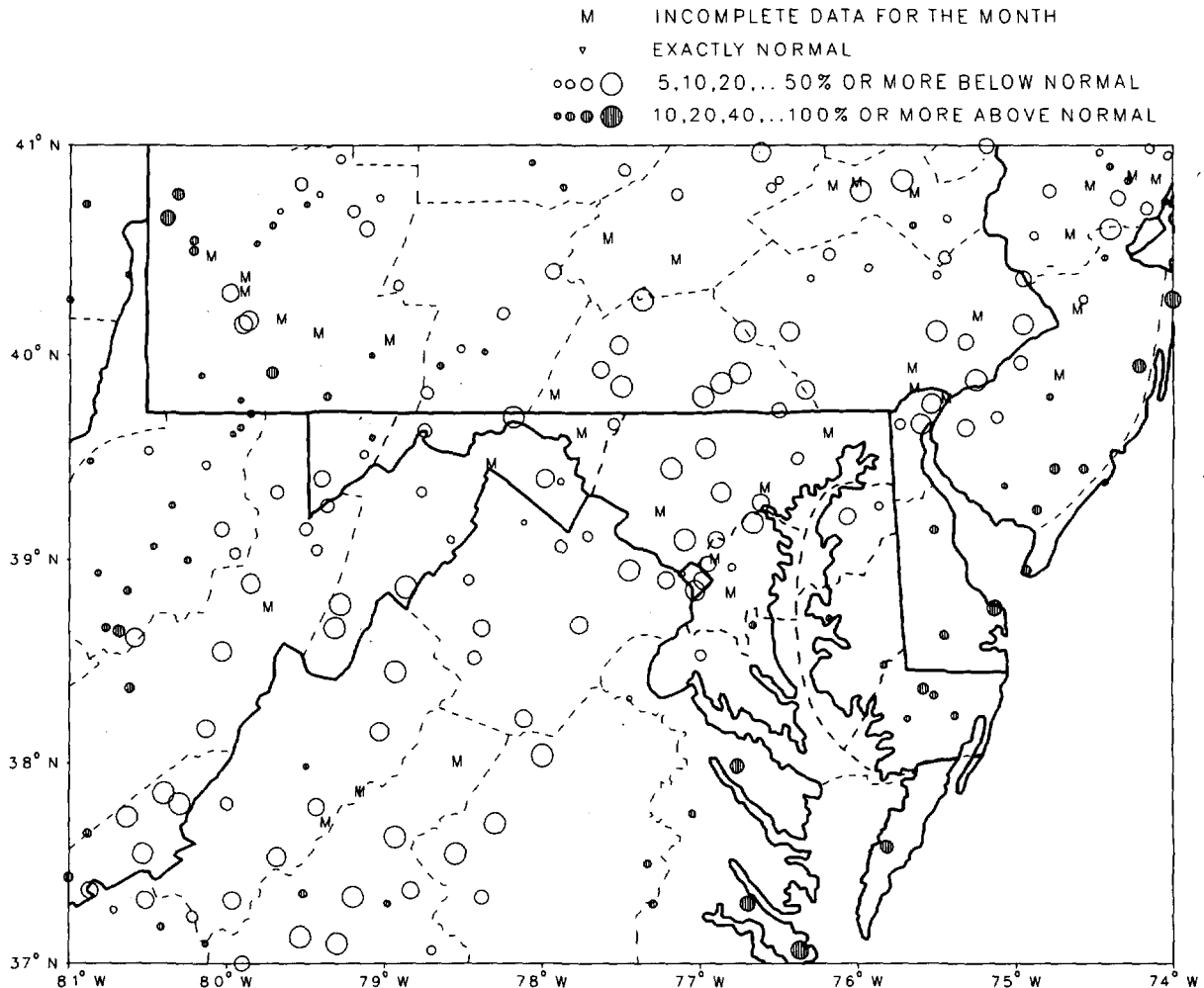


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CLIMATOLOGICAL DATA MARYLAND AND DELAWARE

AUGUST 1992
VOLUME 96 NUMBER 8

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. Halpern

DIRECTOR, NATIONAL CLIMATIC DATA CENTER

noaa

NATIONAL
OCEANIC AND
ATMOSPHERIC ADMINISTRATION

NATIONAL
ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE NORTH CAROLINA

TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND AND
DELAWARE
AUGUST 1992

MARYLAND
HIGHEST TEMPERATURE 99
LOWEST TEMPERATURE 42
GREATEST TOTAL PRECIPITATION 10.08
LEAST TOTAL PRECIPITATION 1.60
GREATEST 1 DAY PRECIPITATION 4.00

DELAWARE
HIGHEST TEMPERATURE 93
LOWEST TEMPERATURE 47
GREATEST TOTAL PRECIPITATION 11.64
LEAST TOTAL PRECIPITATION 2.21
GREATEST 1 DAY PRECIPITATION 3.53

AUGUST 11
AUGUST 21

AUGUST 16

AUGUST 11
AUGUST 30

AUGUST 17

BALTIMORE CITY R
OAKLAND 1 SE
ASSATEAGUE IS NATL SEA
UNIONVILLE
ASSATEAGUE IS NATL SEA

LEWES
GEORGETOWN 5 SW
LEWES
WILMINGTON WSO ARPT R
LEWES

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
AUGUST 1992

STATION		TEMPERATURE (°F)													PRECIPITATION (IN)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
		AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	SNOW, SLEET																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
												90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW					TOTAL	MAX. DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
AUGUST 1992

STATION	TEMPERATURE (°F)												PRECIPITATION (IN)											
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	SNOW, SLEET			NO. OF DAYS		
											90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW					TOTAL	MAX. DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
WOODSTOCK	81.7	59.9	70.8	-2.7	9211		4630		4	193	3	0	0	0	2.23	-1.75	.40	4	.0	0		8	0	0
--DIVISIONAL DATA----->			71.1	-2.8											2.60	-1.70			.0	0				
APPALACHIAN MOUNTAIN 07																								
CUMBERLAND 2	80.6	57.1	68.9	-4.3	9110		4830+		6	134	1	0	0	0	2.45	-.88	.71	9	.0	0		7	2	0
FROSTBURG 2	72.8	54.9	63.9		8311		4822		73	46	0	0	0	0	3.43		1.20	29	.0	0		7	3	1
HAGERSTOWN	81.2	59.2	70.2	-3.2	9028+		5130+		5	177	2	0	0	0	2.20		1.25	29	.0	0		4	1	1
HANCOCK	80.1	56.8	68.5	-3.2	9112		4530		14	129	1	0	0	0	1.69	-1.61	.54	29	.0	0		6	1	0
--DIVISIONAL DATA----->			67.9	-4.4											2.52	-.99			.0	0				
ALLEGHENY PLATEAU 08																								
MC HENRY 2 NW	73.4	54.9	64.2		8227+		4730+		70	52	0	0	0	0	3.66		1.22	29	.0	0		8	2	1
OAKLAND 1 SE	74.4	54.3	64.4	-2.3	8210		4221		60	49	0	0	0	0	3.04	-1.56	.76	28+	.0	0		9	2	0
SAVAGE RIVER DAM	75.7	54.9	65.3	-3.3	8528+		4622+		45	63	0	0	0	0	3.29	-.32	1.15	29	.0	0		6	3	1
--DIVISIONAL DATA----->			64.6	-2.2											3.33	-.85			.0	0				
DELAWARE																								
NORTHERN 01																								
NEWARK UNIVERSITY FARM	82.2	60.4	71.3	-3.2	9211		4930		1	202	1	0	0	0	3.78	-.72	.91	11	.0	0		9	3	0
WILMINGTON WSO ARPT	81.5	62.8	72.2	-2.6	9211		5330		1	230	3	0	0	0	2.21	-1.82	.52	11	.0	0		5	1	0
WILMINGTON PORTER RSVR	79.9	63.3	71.6	-2.1	9111		5430		3	217	1	0	0	0	2.46	-1.96	.79	11	.0	0		6	1	0
--DIVISIONAL DATA----->			71.7	-2.8											2.82	-1.35			.0	0				
SOUTHERN 02																								
DOVER	81.0	64.2	72.6	-3.2	9211		5230		0	241	2	0	0	0	7.07	1.95	2.01	17	.0	0		8	6	3
GEORGETOWN 5 SW	82.9	60.6	71.8	-3.1	9128+		4730		3	221	3	0	0	0	7.83	2.40	2.24	18	.0	0		8	7	4
GREENWOOD 2 NE	80.5	61.2	70.9		9111		4930		2	192	1	0	0	0	7.02		2.48	15	.0	0		9	4	2
LEWES	81.7	65.0	73.4	-.9	9311		5431+		0	268	2	0	0	0	11.64	6.28	3.53	17	.0	0		8	7	3
--DIVISIONAL DATA----->			72.2	-2.9											8.39	3.15			.0	0				

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
AUGUST 1992

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	10.08	.35			.01	.02				.07		1.31	.08	1.60	2.05	4.00	.20	.12	.06												.21		
PRINCESS ANNE	6.24	.60			.03					.25		.70		.94	.98	.73	1.33	.68												.14			
SALISBURY	9.68	.36		.01								.36	.40	.82	1.75	.47	1.35	1.83	T									2.17	.02	.14			
SALISBURY FAA ARPT	7.54								.03			.57		1.18	.13	2.07	.47	2.71	.10									.14	.14				
SNOW HILL 4 N	6.94	.39		T					T			.92	.14	1.50	1.91	.40	.65	.93										T		.10			
CENTRAL EASTERN																																	
SHORE 02																																	
ROYAL OAK 2 SSW	5.45			.41					.02		.66	.05	.06	.46	1.53	.56	1.29	.17				T								.24			
VIENNA	7.01	.96		.04	.09							.04	.63	.68	1.40	.53	1.47	.25					.02							.90			
LOWER SOUTHERN 03																																	
LA PLATA 1 W	4.07			.27					.13		.56	.32	.24	.36	1.16	.65	.12	.11												.15			
MECHANICVILLE 5 SE	4.29			.13					.02		.45	.54	.38	.43	.98	.39	.27	.08									.01	T		.61			
OWINGS FERRY LANDING	5.23	1.07		.08								.94	.06	.58	1.14	.42	.10	.07												.71	.06		
UPPER SOUTHERN 04																																	
ANNAPOLIS POLICE BRKS	3.44	.62		.27								.56	.02	.39	.57	.47	.30	.19													.05		
BALTIMORE WSO ARPT	2.19			.02				T	.01		.23		.44	.02	.52	.27	.13													.55			
BELTSVILLE	2.19				.07							.29		.51	.47	.32	.35	.08													.10		
COLLEGE PARK	3.42	1.28		.15								.41	.52	.50	.32	T	.13														.11		
DALECARLIA RESERVOIR	4.40	1.35		.36							.70	.08	.30	.35	.48	.22	.07	.13												.32	.03	.01	
GLENN DALE BELL STN	4.54	1.02		.11	.03							1.19	.08	.35	.47	.90	.03	.07													.29		
LAUREL 3 W	2.75										.75		.35			.25	1.00													.40		.13	
NATIONAL ARBORETUM DC	3.14	.63		.33					.01			.70		.52	.34	.34	.07	.07															
UPPER MARLBORO 3 NNW	M																																
NORTHERN EASTERN																																	
SHORE 05																																	
CHESTERTOWN	3.01			.07				T	T		.84		.18	.21	.60	.22	.33	.11	T											.45			
HILLINGTON 1 SE	4.35	.78		.07							.03	.81	.02	.49	*	1.18	.41	.29			.02									.25			
NORTHERN CENTRAL 06																																	
ABERDEEN PHILLIPS FIEL	3.00	*	*	.76	T						T	.21	.19	T	.41	*	.34	.98	.20		.01									*	*	.24	
BALTIMORE CITY	2.88			.02							.21		.20	.05	.42	.34	.10																
BENSON POLICE BARRACKS	3.85	1.10	T	.45					.02		.13	.18	.05	.39	.22	.40	.05	.32	.05	.10									.51	1.03		.39	
CATOCTIN MOUNTAIN PARK	3.38	.10		.92					.01		.51	.02	.19	.03	.06	.36	.01	.01	.77	.02									.24	.12	.01		
CLARKSVILLE 3 NNE	3.48	1.32		.05							.46	.41	.11	.32	.17	.28	.05	.13		T										.13	.05		
CONOWINGO DAM	M																																
EMMITSBURG 2 SE	1.62			.07	.40						.15		.10	.10	T	.50	T	T	.10	.10										.10			
FREDERICK POLICE BRKS	2.52	.56		.47					.11	T	.65		.03	.20	T	.33	T	T	.05	.05										T	.12		
MILLERS 4 NE	2.63	.02		.80				T	.01		.14	T	.03	.02	.01	.16	.05	.07	.20	.04										1.06	.02		
POTOMAC FILTER PLANT	1.73										.74		.24	.11	.26	.12	.10													.16			
ROCKVILLE 1 NE	1.80	.03		T				T	T		.59		.36	.03	.26	.08	.13	.01												.31			
TOWSON	M																																
UNIONVILLE	1.60			.12					.06		.56		.06	.03	.03	.32	.08	.04	.04	.01										.25	T		
WESTMINSTER POL BRKS	2.17			.80				T	.02		.27	.04	T	.10	.02	.13	.04	.17	.24	.05										T	.29		
WOODSTOCK	2.23	.06		.40							.24		.28	.14	.13	.28	.07	.05			.16									.38	.04		
APPALACHIAN																																	
MOUNTAIN 07																																	
CUMBERLAND 2	2.45	.11			.02				.71				.17		.18		.10	.02												.48	.66		
EDGEMONT	3.08	.06		.01	.39				.06				1.14		.16		.20	.05	.03	.66	.09										.23		
FROSTBURG 2	3.43	.11		T	.14				.71				.49		.01		.10	.03	.01		T									.63	1.20		
HAGERSTOWN	M 2.20	.01		.39								.31								.19	.05										1.25		
HANCOCK	1.69	.05		.20					.25				.31		.13		.19				.02										.54	.00	

SEE REFERENCE NOTES FOLLOWING STATION INDEX
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DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
AUGUST 1992

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	3.66	.22		.28	.03					.27		.21	.80	.02	T		T		.05	.02	.10		T						.44	1.22		
MERRILL	3.91	.13		.07						.65			.33		.01			.02											1.20	1.50		
OAKLAND 1 SE	3.04			.26					.30	.12		.76	.06	.08	.25	T		.05		.10									.76	.19		
SAVAGE RIVER DAM	3.29	.09		T	.02	.07				.69	T	T	.67		.07	.10	T	.19	.01		T						.11		.23	1.15		
DELAWARE																																
NORTHERN 01																																
NEWARK UNIVERSITY FARM	3.78	.56										.91	.15		.39	.40	.20	.90	.15											.12		
WILMINGTON WSO ARPT R	2.21			T					T	T	.52		.46	.07	.45	.23	.38	.07	T									T	.03			
WILMINGTON PORTER RSVR	2.46									.06		.79		.42	.11	.38	.08	.48	.12	T									.02			.00
SOUTHERN 02																																
DOVER	7.07	1.36		T		.05							.62	T	.52	1.56	.57	2.01	.23											.15		.00
GEORGETOWN 5 SW	7.83	.65			.60								1.23		1.13	1.05	.63	.05	2.24											.25		.00
GREENWOOD 2 NE	7.02	.38			.40								.58	.05	.62	2.48	.42	1.40	.20											.49		.00
LEWES	11.64	.82			.60								.98	.05	.89	1.75	.31	3.53	2.71													.00

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
AUGUST 1992

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	14	MAX MIN OBS	79 64 64	80 64 59	80 59 58	80 59 66	79 58 66	76 65 62	84 65 82	84 70 72	90 69 72	87 69 66	86 72 66	87 66 68	77 68 68	75 67 68	71 60 68	75 57 67	78 67 60	77 60 76	83 66 64	82 64 59	80 58 72	81 58 72	81 56 72	81 56 72	88 67 86	87 67 86	88 69 69	85 69 68	83 68 54	79 54 54	84 54 54	81.5 64.0		
PRINCESS ANNE	17	MAX MIN OBS	90 68 69	90 56 69	90 64 64	88 67 64	87 64 62	83 62 61	84 61 62	85 60 60	84 64 68	89 65 65	94 68 65	91 65 65	79 62 61	74 61 65	72 64 63	76 64 63	76 63 64	83 64 64	85 64 54	83 64 54	81 56 53	82 56 53	82 56 53	83 52 52	86 86 90	90 67 64	92 64 64	88 68 65	86 65 47	85 47 64	86 64 64	84.6 61.9		
SALISBURY	17	MAX MIN OBS	64 64 ***	56 56 ***	62 62 ***	69 61 63	61 61 63	63 62 61	62 61 69	61 68 71	69 68 71	67 63 62	67 63 62	67 63 63	67 63 66	64 66 64	64 67 68	64 67 68	85 82 80	82 80 80	80 80 83	80 80 83	81 59 62	81 58 58	84 58 58	84 58 58	86 67 72	90 67 72	90 68 68	86 70 62	83 62 53	79 53 65	85 65 65	M 64.0		
SALISBURY FAA ARPT	MID	MAX MIN	79 60	82 53	85 60	86 63	83 58	77 64	81 62	83 60	88 71	90 68	94 69	82 66	77 63	73 65	71 66	76 67	75 67	82 67	85 67	80 61	81 55	80 56	83 60	84 55	86 63	91 69	91 68	86 69	78 55	79 49	86 63	82.4 62.5		
SNOW HILL 4 N	17	MAX MIN	86 65	82 52	85 59	88 69	85 57	84 65	82 63	84 59	89 71	90 67	93 70	90 68	79 64	73 63	72 66	75 67	78 66	83 67	86 64	85 62	81 53	83 52	85 58	87 52	91 67	90 67	85 68	83 60	80 47	87 64	83.9 62.4			
CENTRAL EASTERN SHORE 02																																				
ROYAL OAK 2 SSW	18	MAX MIN OBS	84 65 57	82 57 67	85 66 57	86 58 58	81 58 58	82 60 77	82 60 75	84 60 75	89 69 71	90 68 68	92 71 68	82 68 65	78 64 64	76 64 64	74 62 68	73 68 65	74 68 65	82 67 63	84 67 63	80 63 53	81 57 61	84 61 56	83 56 68	86 68 68	90 68 68	90 72 64	86 64 50	77 50 67	79 67 67	86 67 67	82.7 63.6			
VIENNA	18	MAX MIN	87 65	84 61	85 66	87 74	85 70	83 63	83 62	84 62	88 72	90 69	96 70	82 68	81 63	75 63	73 63	76 65	77 68	82 65	85 70	85 64	82 58	83 58	85 62	86 56	86 68	97 73	91 71	91 64	78 58	78 51	87 68	84.3 64.8		
LOWER SOUTHERN 03																																				
LA PLATA 1 W	18	MAX MIN	75 60	79 57	82 64	82 67	77 58	78 60	79 60	79 62	84 73	85 66	89 68	76 65	75 65	72 61	71 59	67 61	70 64	77 66	80 64	75 64	77 56	75 57	78 61	79 58	85 67	86 70	86 69	84 68	74 56	77 51	82 64	78.5 62.6		
MECHANICSVILLE 5 SE	19	MAX MIN	76 59	81 55	84 61	84 67	79 56	78 58	79 59	79 58	86 72	87 67	90 70	78 67	73 64	74 63	69 64	69 63	71 66	79 66	81 65	76 64	77 53	75 55	78 60	81 56	86 65	87 68	87 69	83 69	76 55	76 48	83 64	79.4 62.1		
OWINGS FERRY LANDING	17	MAX MIN	83 59	80 56	84 63	84 65	80 56	79 58	78 57	80 59	88 71	88 65	91 69	85 65	77 64	74 62	71 63	68 62	71 65	81 65	82 64	80 62	78 53	76 57	79 61	82 56	86 66	88 68	88 67	86 70	87 55	84 50	81.2 61.8			
UPPER SOUTHERN 04																																				
ANNAPOLIS POLICE BRKS	17	MAX MIN	87 60	85 60	86 66	86 68	86 58	86 57	82 55	84 60	90 67	92 68	94 72	90 63	76 61	76 60	72 59	73 58	74 58	82 62	85 55	84 64	83 53	81 60	84 64	84 62	87 62	87 62	92 61	89 71	84 59	81 52	86 66	84.1 61.4		
BALTIMORE WSO ARPT	MID	MAX MIN	80 62	84 60	88 65	85 63	80 57	81 57	82 58	81 59	89 71	90 68	95 69	84 64	76 62	77 63	67 61	69 66	73 65	83 65	85 64	80 59	82 54	83 57	83 63	86 58	90 64	93 69	93 67	86 69	75 54	81 51	83 60	82.7 61.9		
BELTSVILLE	08	MAX MIN	95 60	79 55	82 63	85 66	86 55	80 55	81 55	82 56	88 66	89 68	93 64	82 62	75 60	76 62	65 60	69 61	73 65	83 61	85 63	80 52	82 55	79 61	82 55	85 63	91 67	91 67	91 69	85 56	75 48	80 58	82.3 60.5			
COLLEGE PARK	09	MAX MIN	92 63	83 59	88 67	89 71	86 59	82 58	85 58	80 60	90 72	91 69	91 66	96 65	83 65	76 61	75 63	63 63	70 67	73 67	82 64	85 65	81 54	83 58	80 58	83 58	86 66	91 70	91 70	92 72	87 60	77 51	80 68	83.3 63.6		
DALECARLIA RESERVOIR	17	MAX MIN OBS	87 41 42	84 41 42	87 42	86 41	79 41	83 41	84 41	82 41	88 41	89 41	95 41	88 41	80 41	76 41	71 41	72 41	72 41	89 41	85 41	83 41	82 41	83 41	82 41	86 41	91 41	93 41	94 41	94 41	78 41	81 41	85 41	84.2 M		
GLENN DALE BELL STN	16	MAX MIN	90 60	82 54	84 61	84 64	81 53	81 54	81 55	82 60	84 66	89 63	92 67	93 64	81 61	74 61	76 50	74 53	75 60	80 63	84 61	84 62	81 50	79 65	79 66	84 55	88 63	90 66	91 65	89 67	80 56	74 48	84 62	82.9 59.8		
LAUREL 3 W	MID	MAX MIN																																M M		
NATIONAL ARBORETUM DC	07	MAX MIN	92 63	82 58	84 62	86 67	84 57	81 58	81 59	83 60	83 65	87 62	91 73	95 67	85 65	75 61	76 63	65 61	69 62	73 65	83 64	85 65	80 54	82 56	80 63	82 58	85 59	90 69	91 69	92 69	86 57	77 52	81 57	82.8 61.9		
UPPER MARLBORO 3 NNW	08	MAX MIN																																M M		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
AUGUST 1992

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NORTHERN EASTERN SHORE	05																																	
CHESTERTOWN	23	MAX MIN	81 62	85 59	87 64	86 67	81 57	83 56	83 55	84 61	91 70	90 69	94 68	82 65	75 61	76 61	68 59	69 58	73 64	83 64	84 66	81 61	81 53	83 56	86 60	85 58	89 65	91 68	92 68	89 68	76 60	80 51	84 64	83.0 61.9
MILLINGTON 1 SE	18	MAX OBS MIN OBS	88 62	81 55	85 62	84 67	79 56	81 54	80 53	81 57	89 71	87 65	92 67	82 65	79 62	74 62	72 61	70 60	73 66	80 66	83 65	79 61	79 52	80 53	83 58	82 56	86 56	89 67	88 66	88 71	82 59	78 48	82 62	81.8 60.8
NORTHERN CENTRAL	06																																	
ABERDEEN PHILLIPS FIEL	16	MAX MIN			83 67	83 64	79 57	79 57	79 56			86 66	90 69	81 64	81 66	74 63			71 65	80 65	83 63	81 62	77 53	80 59		81 59	86 62	89 68	89 69	89 73			82 67	82.0 M
BALTIMORE CITY	MID	MAX MIN	85 66	87 68	88 72	89 73	84 69	85 67	85 67	85 71	83 76	94 76	99 73	87 72	78 64	76 66	71 62	69 62	73 67	87 68	88 70	85 67	83 63	84 66	87 70	86 68	93 73	96 78	95 74	87 71	76 64	83 62	87 71	85.3 68.9
BENSON POLICE BARRACKS	17	MAX MIN	88 61	84 59	87 66	87 64	84 59	84 56	85 58	85 61	90 73	90 69	94 69	83 65	84 62	74 61	72 61	68 59	71 65	83 64	84 63	82 61	84 55	83 56	85 62	85 59	89 63	94 70	93 70	91 71	84 60	83 49	84 65	84.3 62.5
CATOCTIN MOUNTAIN PARK	17	MAX MIN	73 54	75 59	77 61	78 61	74 56	74 56	75 56	75 59	79 61	82 65	83 65	83 63	72 56	67 56	67 56	63 56	65 56	74 62	74 59	70 53	73 54	72 60	75 62	77 60	81 66	81 67	82 68	82 69	70 53	73 57	74 63	74.8 59.6
CLARKSVILLE 3 NNE	17	MAX MIN	86 59	82 52	87 61	85 64	80 52	81 51	81 52	82 54	88 68	88 62	92 61	82 60	80 59	72 58	71 60	68 60	72 64	83 65	84 58	78 57	80 48	81 52	81 58	85 53	89 60	89 62	91 63	90 67	74 53	78 45	80 58	81.9 57.9
CONOWINGO DAM	MID	MAX MIN																																M M
EMMITSBURG 2 SE	17	MAX MIN	80 59	80 53	82 61	82 61	82 53	78 51	80 53	79 56	84 70	85 64	89 68	77 60	77 59	73 61	71 62	68 59	69 63	80 66	80 55	76 52	77 47	77 53	79 59	81 56	87 61	87 61	87 65	86 66	75 56	77 45	78 60	79.5 58.5
FREDERICK POLICE BRKS	17	MAX MIN	91 61	82 59	86 65	85 66	85 60	80 56	83 57	82 61	87 69	89 71	93 71	94 62	81 62	75 61	76 61	69 60	71 64	82 66	83 60	79 64	81 66	81 53	83 59	91 58	91 67	92 68	91 70	80 59	80 51	80 65	83.4 62.4	
MILLERS 4 NE	18	MAX MIN	76 58	79 56	82 61	80 63	77 56	80 52	79 54	77 59	83 70	84 67	87 68	78 59	77 60	70 60	69 60	66 59	67 63	78 65	74 60	78 55	78 48	81 55	80 57	86 62	88 67	88 67	84 68	72 55	76 47	76 62	78.3 59.6	
ROCKVILLE 1 NE	MID	MAX MIN	80 58	83 60	88 64	83 66	77 58	78 58	80 57	77 61	86 71	88 67	91 68	79 63	73 60	72 59	66 61	69 60	71 64	80 67	81 63	77 59	81 53	77 52	80 62	83 58	87 68	87 70	89 71	89 65	72 56	79 51	80 65	80.1 61.8
TOWSON	18	MAX MIN																																M M
UNIONVILLE	17	MAX MIN	79 57	81 52	85 62	84 65	77 52	81 50	82 51	81 56	86 69	88 62	90 66	80 57	79 58	72 60	71 62	68 60	70 64	82 66	79 57	78 49	80 47	79 52	81 60	84 54	90 61	90 61	91 64	87 68	72 52	79 45	79 59	80.8 58.0
WESTMINSTER POL BRKS	17	MAX MIN	87 57	82 61	86 65	84 61	82 58	82 59	81 56	85 60	86 69	91 69	91 68	91 62	79 64	75 60	73 59	68 57	72 62	81 65	83 57	77 54	80 51	82 59	81 64	84 59	87 60	89 71	92 69	89 70	79 64	79 51	82.2 61.7	
WOODSTOCK	18	MAX MIN	80 58	83 54	86 63	85 64	80 55	82 54	82 55	79 57	87 69	89 64	92 67	82 61	80 60	72 59	70 60	68 59	72 63	83 64	83 60	80 59	81 51	80 54	83 60	85 65	88 62	90 66	91 66	85 68	74 54	80 46	81 61	81.7 59.9
APPALACHIAN MOUNTAIN	07																																	
CUMBERLAND 2	18	MAX MIN	77 53	83 53	84 60	81 53	78 54	81 56	82 59	80 62	85 64	91 64	89 56	80 58	73 59	70 62	69 63	72 61	70 62	81 51	78 59	79 50	81 50	80 59	82 57	87 58	88 63	89 63	89 65	84 58	69 48	86 48	82 51	80.6 57.1
FROSTBURG 2	07	MAX MIN	75 52	71 51	76 50	78 55	73 49	71 49	72 53	74 55	74 59	76 65	83 67	82 54	74 54	63 56	64 57	60 56	66 56	63 58	75 55	70 51	71 49	73 48	71 55	73 56	78 55	81 62	82 62	81 52	67 52	71 50	78 50	72.8 54.9
HAGERSTOWN	08	MAX OBS MIN OBS	87 57	80 57	82 63	84 64	83 56	78 55	80 55	83 56	81 62	86 65	89 66	90 58	80 60	74 61	77 63	71 61	74 62	80 63	82 60	78 53	78 51	80 53	78 60	80 59	84 59	89 66	89 66	90 67	78 54	69 51	84 53	81.2 59.2
HANCOCK	08	MAX MIN	84 56	78 51	82 55	84 60	87 52	76 52	81 55	82 55	78 60	85 63	88 65	91 56	81 57	70 59	72 64	71 61	71 62	82 57	77 50	75 49	81 49	78 59	81 56	84 58	88 61	89 63	89 68	78 54	68 45	84 48	80.1 56.8	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
AUGUST 1992

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALLEGHENY PLATEAU 08																																		
MC HENRY 2 NW	08	MAX	72	70	77	77	70	71	74	75	74	77	82	77	73	66	68	70	73	62	74	67	71	78	74	74	82	81	82	81	67	61	76	73.4
		MIN	49	49	54	55	50	50	53	57	61	62	65	52	53	56	56	54	56	56	55	48	48	51	60	58	59	64	63	63	47	47	50	54.9
OAKLAND 1 SE	17	MAX	69	76	77	75	70	72	75	77	75	82	81	73	72	67	66	74	71	74	72	71	77	76	75	81	81	80	81	72	62	77	76	74.4
		MIN	51	43	55	54	46	46	53	56	64	62	63	51	53	58	57	56	56	57	52	50	42	52	61	51	59	59	60	61	51	44	61	54.3
SAVAGE RIVER DAM	08	MAX	78	73	78	81	75	76	74	77	78	80	85	83	77	67	68	63	73	66	77	71	75	77	74	75	82	81	85	85	70	64	80	75.7
		MIN	56	49	50	58	50	50	50	55	60	63	66	54	55	57	59	58	58	60	53	50	46	46	57	55	55	61	60	61	55	47	48	54.9
DELAWARE																																		
NORTHERN 01																																		
NEWARK UNIVERSITY FARM	17	MAX	79	83	86	84	83	82	82	82	87	86	92	81	80	73	71	72	74	81	82	79	81	84	84	84	88	89	89	88	82	79	81	82.2
		MIN	61	57	62	63	56	54	54	56	70	66	61	63	60	60	61	59	64	65	61	59	51	60	57	58	61	68	66	68	58	49	64	60.4
WILMINGTON WSO ARPT	MID	MAX	79	82	83	84	80	83	82	80	87	88	92	82	76	74	67	68	74	80	84	80	80	82	84	83	88	91	90	86	75	79	83	81.5
		MIN	62	60	66	64	59	58	58	62	72	68	69	65	63	62	61	62	66	67	64	60	55	56	60	62	66	71	69	69	57	53	62	62.8
WILMINGTON PORTER RSVR	MID	MAX	78	81	83	82	79	81	82	79	86	85	91	79	77	72	66	68	72	80	81	77	78	81	82	82	86	88	87	85	72	78	80	79.9
		MIN	63	64	67	66	60	59	59	60	71	68	68	64	66	62	59	60	64	67	65	60	59	60	60	60	67	70	68	69	58	54	65	63.3
SOUTHERN 02																																		
DOVER	17	MAX	84	83	80	84	83	78	77	77	89	86	92	91	80	72	71	70	70	78	82	81	77	78	80	80	85	88	88	85	84	78	81	81.0
		MIN	72	59	65	70	59	58	59	60	71	68	71	68	64	64	64	62	67	66	68	64	56	58	62	58	67	70	70	73	60	52	66	64.2
GEORGETOWN 5 SW	08	MAX	90	78	81	86	84	81	78	81	86	88	87	91	85	84	77	74	76	71	81	83	84	85	85	83	84	86	89	91	86	76	79	82.9
		MIN	54	54	62	58	59	59	58	58	61	68	69	70	60	65	63	65	63	66	66	64	52	54	53	53	61	68	66	67	58	47	58	60.6
GREENWOOD 2 NE	18	MAX	78	81	83	84	79	78	79	82	85	87	91	81	71	71	70	76	72	79	82	78	79	80	81	81	84	88	88	86	83	76	82	80.5
		MIN	62	55	61	61	57	57	58	58	70	66	66	67	62	62	63	63	66	66	65	61	53	55	59	54	60	67	66	68	59	49	62	61.2
LEWES	17	MAX	85	82	85	84	80	79	78	81	88	89	93	91	77	71	70	76	75	78	82	80	76	81	81	80	86	86	89	83	82	79	85	81.7
		MIN	64	59	65	71	63	61	62	62	73	70	73	69	65	69	65	65	66	66	68	66	59	60	63	59	67	72	71	72	63	54	54	65.0

SEE REFERENCE NOTES FOLLOWING STATION INDEX

EVAPORATION AND WIND

MARYLAND AND
DELAWARE
AUGUST 1992

STATION		DAY OF MONTH																															1992	TOTAL OR AVG	
		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																																			
UPPER SOUTHERN 04																																			
BELTSVILLE		WIND	3	1	0	0	0	1	10	4	20	13	23	10	8	36	42	3	5	4	12	13	9	3	7	11	1	6	15	52	14	7	370		
		EVAP	-	24	20	20	18	19	22	21	8	14	24	23	19	4	6	4	33	2	14	20	20	17	12	14	19	15	16	19	31	20	8	5.238	
		MAX	95	89	90	92	89	88	92	92	81	97	99	99	94	75	78	68	71	76	91	94	89	72	83	89	93	96	97	97	88	88	88	88.1	
		MIN	62	65	68	68	62	63	63	65	65	70	70	67	66	64	64	62	63	66	67	65	61	68	72	63	64	68	72	71	60	55	55	65.0	
ALLEGHENY PLATEAU 08																																			
SAVAGE RIVER DAM		WIND	48	37	16	20	35	26	18	20	18	27	21	32	21	11	27	26	14	9	17	29	23	20	10	16	15	14	16	14	55	42	26	723	
		EVAP	10	16	10	26	8	15	24	15	0	21	24	28	3	0	10	3	10	-	13	9	17	12	10	16	9	11	8	13	11	7	15	15	3.858
		MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
		MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
DELAWARE																																			
NORTHERN 01																																			
NEWARK UNIVERSITY FARM		WIND	67	19	9	21	29	16	20	11	27	29	26	13	18	24	33	27	39	8	20	21	11	9	11	7	7	9	6	11	56	20	25	649	
		EVAP	47	33	15	34	25	32	34	29	21	22	43	21	11	15	10	3	-	-	35	33	27	24	15	23	21	26	18	18	27	17	18	7.458	
		MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
		MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	

EVAPORATION: IS MEASURED IN HUNDRETHS OF INCHES

WIND: IS MEASURED IN MILES

MAX AND MIN: THE MAXIMUM AND MINIMUM TEMPERATURES (FAHRENHEIT) OF THE WATER IN THE EVAPORATION PAN

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
AUGUST 1992

STATION		INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER	
								LOCAL STD TIME					
								TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)		
MARYLAND													
ABERDEEN PHILLIPS FIEL		0015	06	HARFORD	39 28	76 10W	57	16	16		C H	PHILLIPS ARMY AIRFIELD	
ANNAPOLIS POLICE BRKS		0193	04	ANNE ARUNDEL	38 59	76 30W	30	17	17		H H	ANNAPOLIS POLICE BRKS	
ASSATEAGUE IS NATL SEA		0335	01	WORCESTER	38 14	75 8W	10	14	07		H H	NATIONAL PARK SERVICE	
BALTIMORE WSO ARPT		R0465	04	ANNE ARUNDEL	39 11	76 40W	148	MID	MID		C H J	NATL WEATHER SERVICE	
BALTIMORE CITY #		R0470	06	BALTIMORE CI	39 17	76 37W	14	MID	MID		C C H	NATIONAL WEATHER SERVICE	
BELTSVILLE		0700	04	PRINCE GEORG	39 2	76 53W	120	08	08	08	C H	USDA CHEM & BIOPHYS LAB	
BENSON POLICE BARRACKS		0732	06	HARFORD	39 30	76 23W	365	17	17		C H	MARYLAND STATE POLICE	
CATOCTIN MOUNTAIN PARK		1530	06	FREDERICK	39 39	77 29W	1610	17	17		C H	CATOCTIN MOUNTAIN PARK	
CHESTERTOWN		1750	05	KENT	39 13	76 4W	40	23	23		H	THOMAS W ELIASON JR	
CLARKSVILLE 3 NNE		1862	06	HOWARD	39 15	76 56W	370	17	17		H	UNIV OF MD AGRONOMY DEPT	
COLLEGE PARK		1995	04	PRINCE GEORG	38 59	76 57W	90	09	09		C H	UNIVERSITY OF MARYLAND	
CONOWINGO DAM		2060	06	HARFORD	39 39	76 10W	40	MID	MID		H	SUSQUEHANNA ELECTRIC CO	
CUMBERLAND 2		2282	07	ALLEGANY	39 38	78 45W	730	18	07		H	TIMOTHY B THOMAS	
DALECARLIA RESERVOIR		2325	04	DIS COLUMBIA	38 56	77 7W	150	17	17		H	U S CORPS OF ENGINEERS	
DAMASCUS 2 SW		2335	06	MONTGOMERY	39 16	77 14W	722	19	19		H	INACTIVE 01/01/92	
EDGEMONT		2770	07	WASHINGTON	39 40	77 33W	905	07			H	JOHN W HARNE	
EMMITSBURG 2 SE		2906	06	FREDERICK	39 41	77 18W	416	17	17		H	LUCILLE K BEALE	
FREDERICK POLICE BRKS		3348	06	FREDERICK	39 25	77 26W	380	17	17		H	MARYLAND STATE POLICE	
FROSTBURG 2		3415	07	ALLEGANY	39 40	78 56W	2170	07	07		H	KENNETH L CLOSE	
GLENN DALE BELL STN		3675	04	PRINCE GEORG	38 58	76 48W	150	16	16		H	USDA PLANT INTRODUCT STN	
HAGERSTOWN		3975	07	WASHINGTON	39 39	77 44W	660	08	08		H	HAGERSTOWN RESERVOIR	
HANCOCK		4030	07	WASHINGTON	39 42	78 11W	428	08	08		C H	TOWN OF HANCOCK	
LA PLATA 1 W		5080	03	CHARLES	38 32	77 0W	140	18	18		H	C RUSSELL LEVERING	
LAUREL 3 W		5111	04	PRINCE GEORG	39 6	76 54W	400	MID	MID		H	WA SUBURBAN SANITARY COM	
MC HENRY 2 NW		5832	08	GARRETT	39 35	79 22W	2680	08	08		C H	JOSEPH F JOHENNING	
MECHANICSVILLE 5 SE		5865	03	ST MARYS	38 27	76 41W	100	19	19		C H	SANDRA J HASTINGS	
MERRILL		5894	08	GARRETT	39 36	79 5W	1790		09		H	DELWOOD E MERRILL	
MILLERS 4 NE		5934	06	CARROLL	39 43	76 48W	860	18	18		C H	BOBBY P MILLER	
MILLINGTON 1 SE		5985	05	KENT	39 16	75 52W	30	18	18		H	HOWARD L HARVEY	
NATIONAL ARBORETUM DC		6350	04	DIS COLUMBIA	38 54	76 59W	50	07	07		H	US NATIONAL ARBORETUM	
OAKLAND 1 SE		6620	08	GARRETT	39 24	79 24W	2420	17	17		H	BEA J CROSCO	
OWINGS FERRY LANDING		6770	03	CALVERT	38 41	76 40W	160	17	17		H	JAMES C RASMUSSEN	
POTOMAC FILTER PLANT		7272	06	MONTGOMERY	39 2	77 15W	270		08		H	POTOMAC WATER FILT PLANT	
PRINCESS ANNE		7330	01	SOMERSET	38 13	75 41W	20	17	17		H	UNIV OF MD EASTERN SHORE	
ROCKVILLE 1 NE		7705	06	MONTGOMERY	39 6	77 6W	440	MID	17		H	WASHINGTON GAS & ELEC CO	
ROYAL OAK 2 SSH		7806	02	TALBOT	38 43	76 11W	10	18	18		H	JOHN L SWAINE JR	
SALISBURY		8000	01	WICOMICO	38 22	75 35W	10	17	17		H	CITY OF SALISBURY	
SALISBURY FAA ARPT #		8005	01	WICOMICO	38 20	75 31W	50	MID	MID		H	FAA	
SAVAGE RIVER DAM		8065	08	GARRETT	39 31	79 8W	1495	08	08	08	C H	US CORPS OF ENGINEERS	
SNOW HILL 4 N		8380	01	WORCESTER	38 14	75 23W	30	17	17		H	CURTIS E SHOCKLEY	
TOWSON		8877	06	BALTIMORE	39 23	76 34W	390	18	18		H	ENVIRONMENTAL TECH GROUP	
UNIONVILLE		9030	06	FREDERICK	39 27	77 11W	430	17	07		C	RICHARD GETZANDANNER	
UPPER MARLBORO 3 NNW		9070	04	PRINCE GEORG	38 52	76 47W	100	08	08	08	H	UNIVERSITY OF MARYLAND	
VIENNA		9140	02	DORCHESTER	38 29	75 50W	10	18	18		H	DELMARVA POWER & LIGHT	
WESTMINSTER POL BRKS		9440	06	CARROLL	39 33	76 58W	765	17	17		H	MARYLAND STATE POLICE	
WOODSTOCK		9750	06	BALTIMORE	39 20	76 52W	460	18	18		H	JOHN A HILTZ	
DELAWARE													
DOVER		2730	02	KENT	39 9	75 31W	30	17	17		H	STATE 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		H	BOARD OF PUBLIC WORKS	
NEWARK UNIVERSITY FARM		6410	01	NEW CASTLE	39 40	75 44W	90	17	17	17	C H	UNIV OF DEL AGRIC FARM	
WILMINGTON WSO ARPT		R9595	01	NEW CASTLE	39 40	75 36W	79	MID	MID		C H J	NATL WEATHER SERVICE	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
AUGUST 1992

STATION INDEX												AUGUST 1992	
STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER		
							LOCAL STD TIME						
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)			
WILMINGTON PORTER RSVR	960501		NEW CASTLE	39 46	75 32W	274	MID	MID		H	WATER DEPARTMENT		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

REFERENCE NOTES

MARYLAND AND
DELAWARE
AUGUST 1992

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. AUGUST 1992-0585

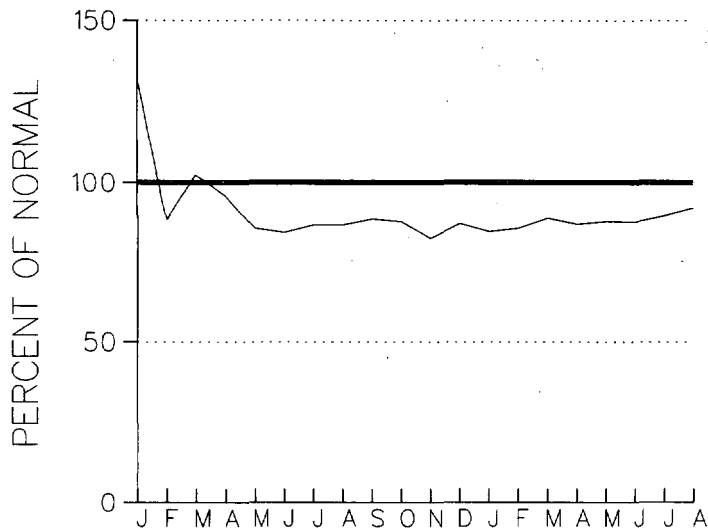
CUMULATIVE PRECIPITATION DEPARTURES FROM NORMAL (1951-1980) FOR THE LAST 20 MONTHS ENDING AUGUST 1992 MARYLAND

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

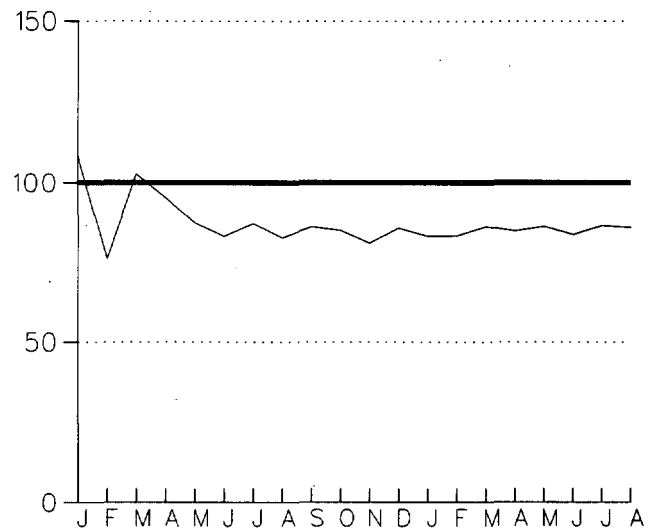
CLUSTER 2 -DIVISION(S):
UPPER SOUTHERN 04
NORTHERN EASTERN SHORE 05

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

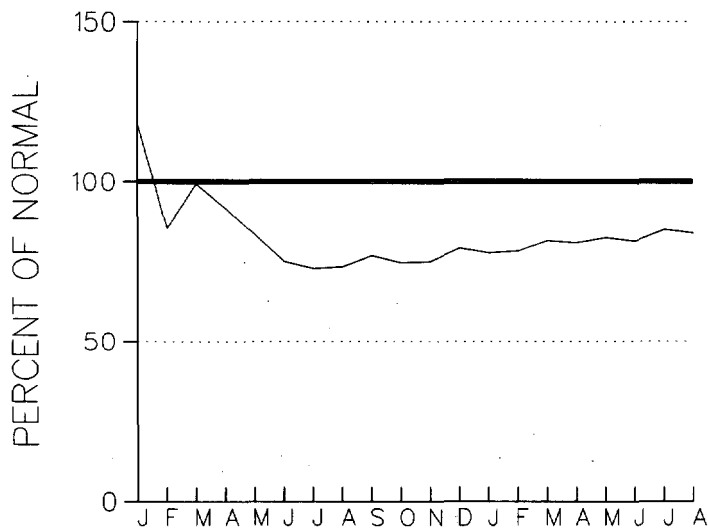
CLUSTER 4 -DIVISION(S):
ALLEGHENY PLATEAU 08



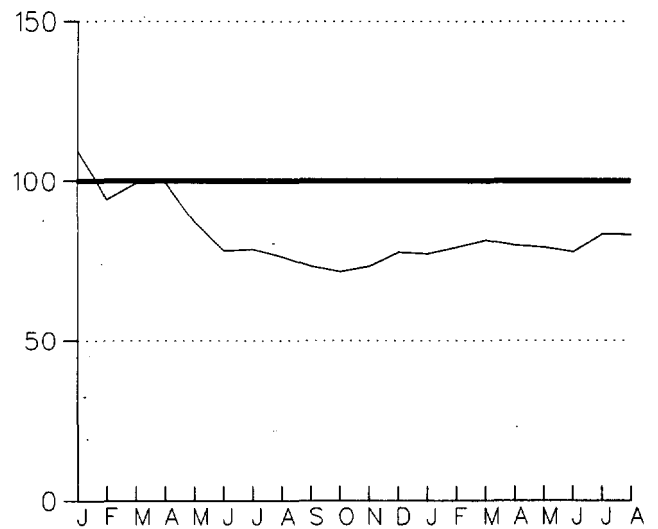
CLUSTER 1



CLUSTER 2



CLUSTER 3

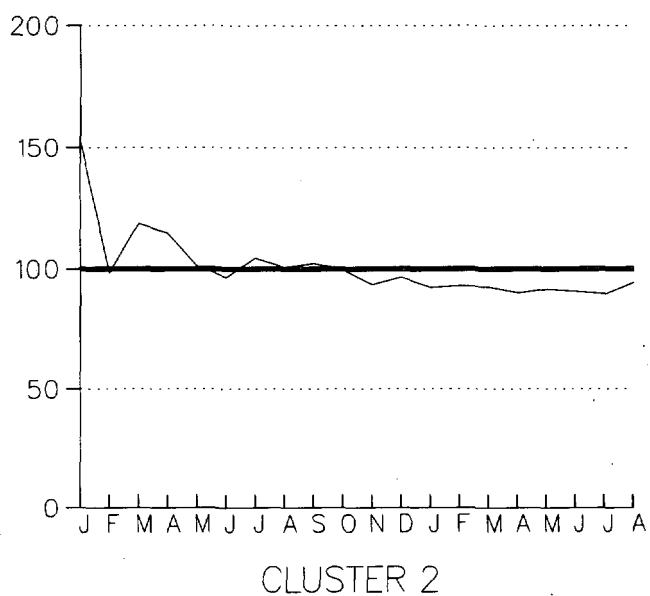
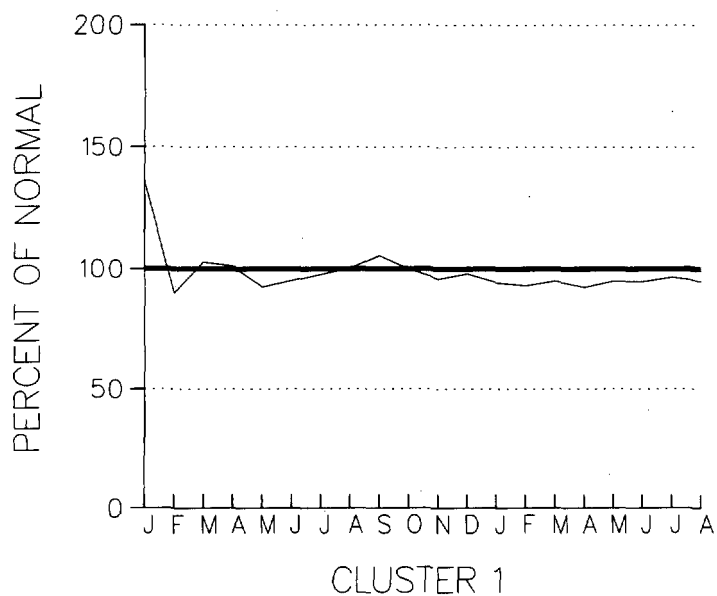


CLUSTER 4

CUMULATIVE PRECIPITATION DEPARTURES FROM NORMAL (1951-1980) FOR THE LAST 20 MONTHS ENDING AUGUST 1992 DELAWARE

CLUSTER 1 - DIVISION(S):
 NORTHERN 01

CLUSTER 2 - DIVISION(S):
 SOUTHERN 02



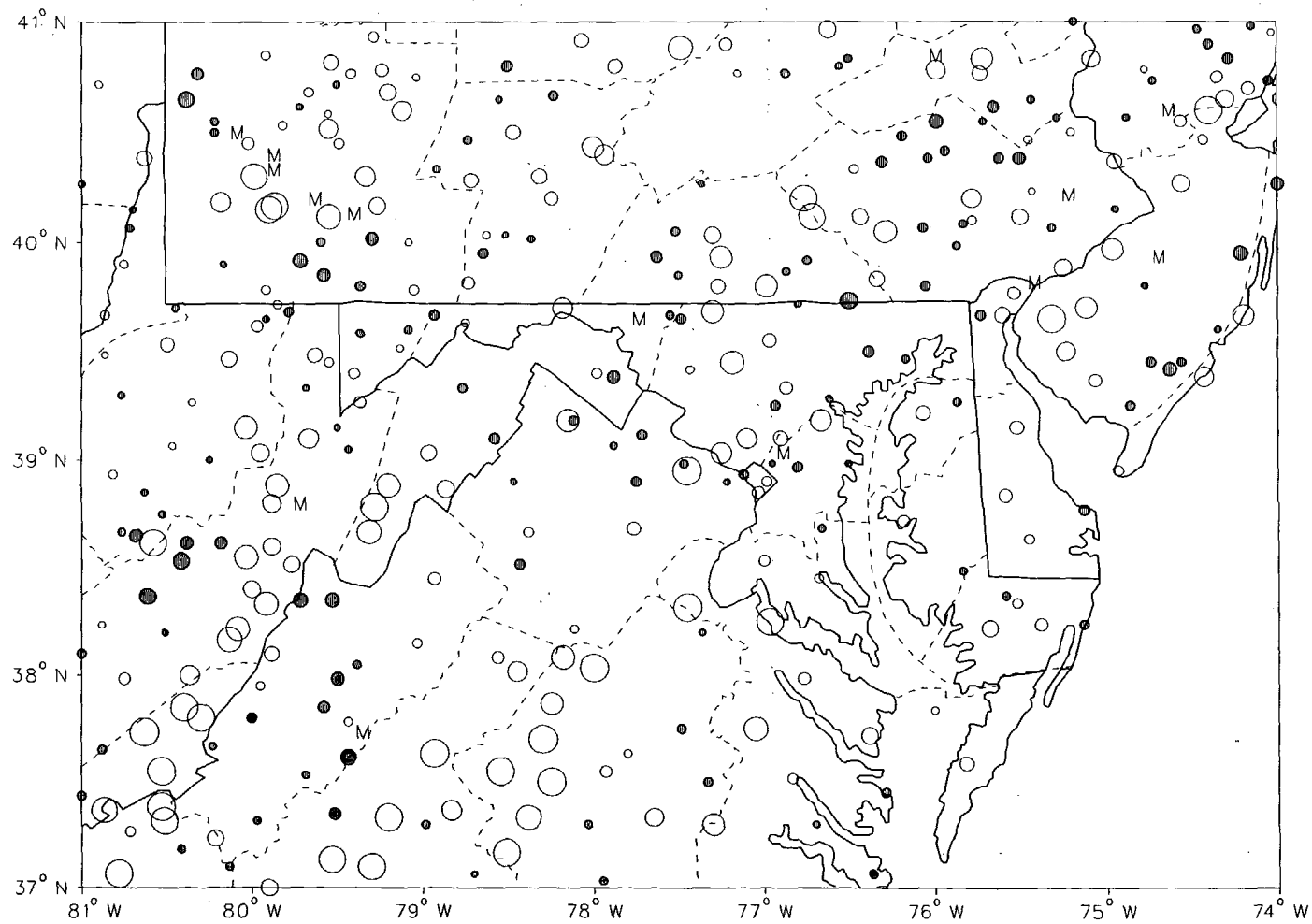
MONTHLY PRECIPITATION DEPARTURE FROM
THE DIVISIONAL AVERAGE FOR
AUGUST 1992
MARYLAND & DELAWARE

M DENOTES INCOMPLETE DATA FOR THE MONTH

▽ ZERO DEPARTURE

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

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

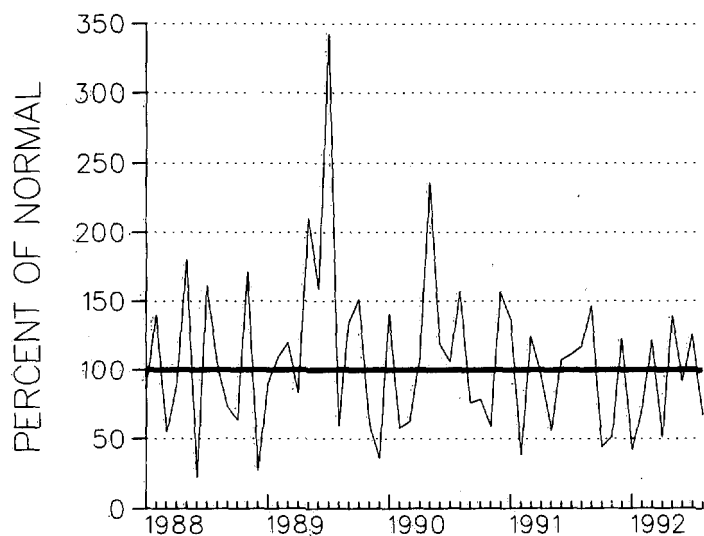


CIRCLE DIAMETER IS PROPORTIONAL TO DEPARTURE ON A CONTINUOUS SCALE

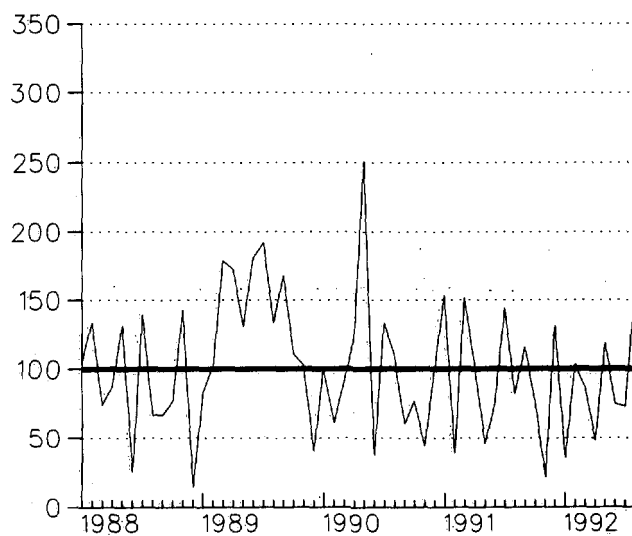
PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)
FOR THE 56 MONTHS
ENDING AUGUST 1992
DELAWARE

CLUSTER 1 -DIVISION(S):
NORTHERN 01

CLUSTER 2 -DIVISION(S):
SOUTHERN 02



CLUSTER 1



CLUSTER 2

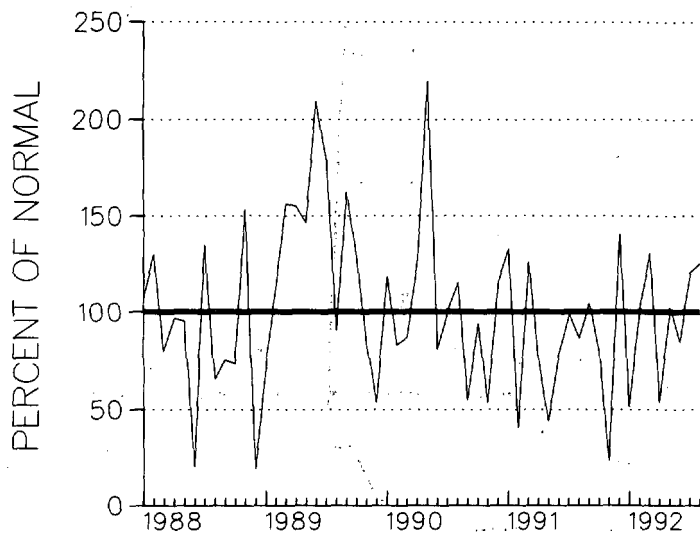
PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)
FOR THE 56 MONTHS
ENDING AUGUST 1992
MARYLAND

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

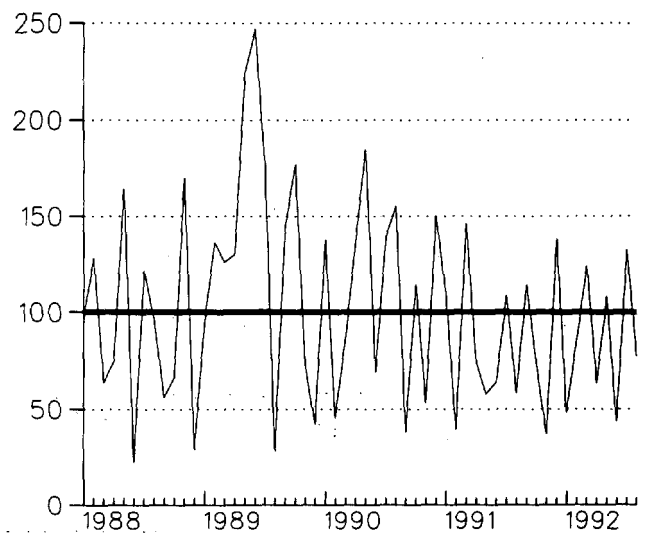
CLUSTER 2 -DIVISION(S):
UPPER SOUTHERN 04
NORTHERN EASTERN SHORE 05

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

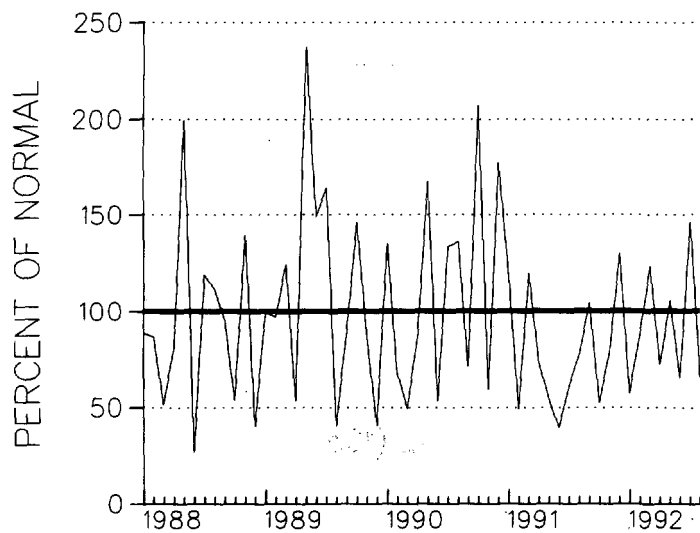
CLUSTER 4 -DIVISION(S):
ALLEGHENY PLATEAU 08



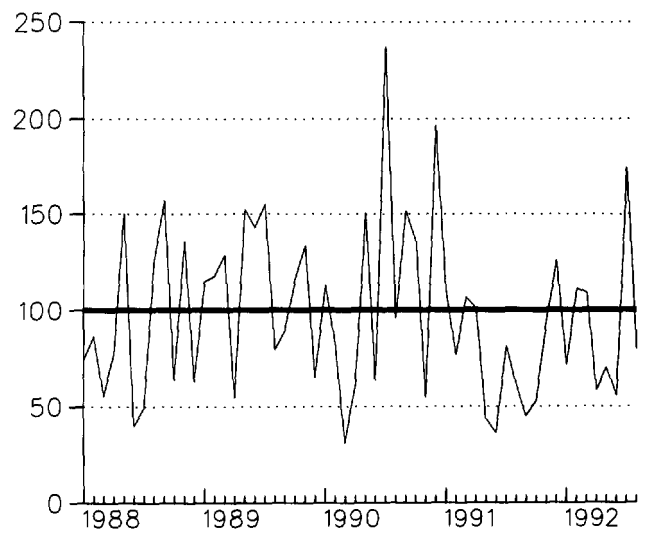
CLUSTER 1



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
0 10 20 30 40 50

STATION LEGEND
DATA PUBLISHED IN:
● CLIMATOLOGICAL DATA
■ HOURLY PRECIPITATION DATA
△ CLIMATOLOGICAL DATA AND HOURLY PRECIPITATION DATA

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

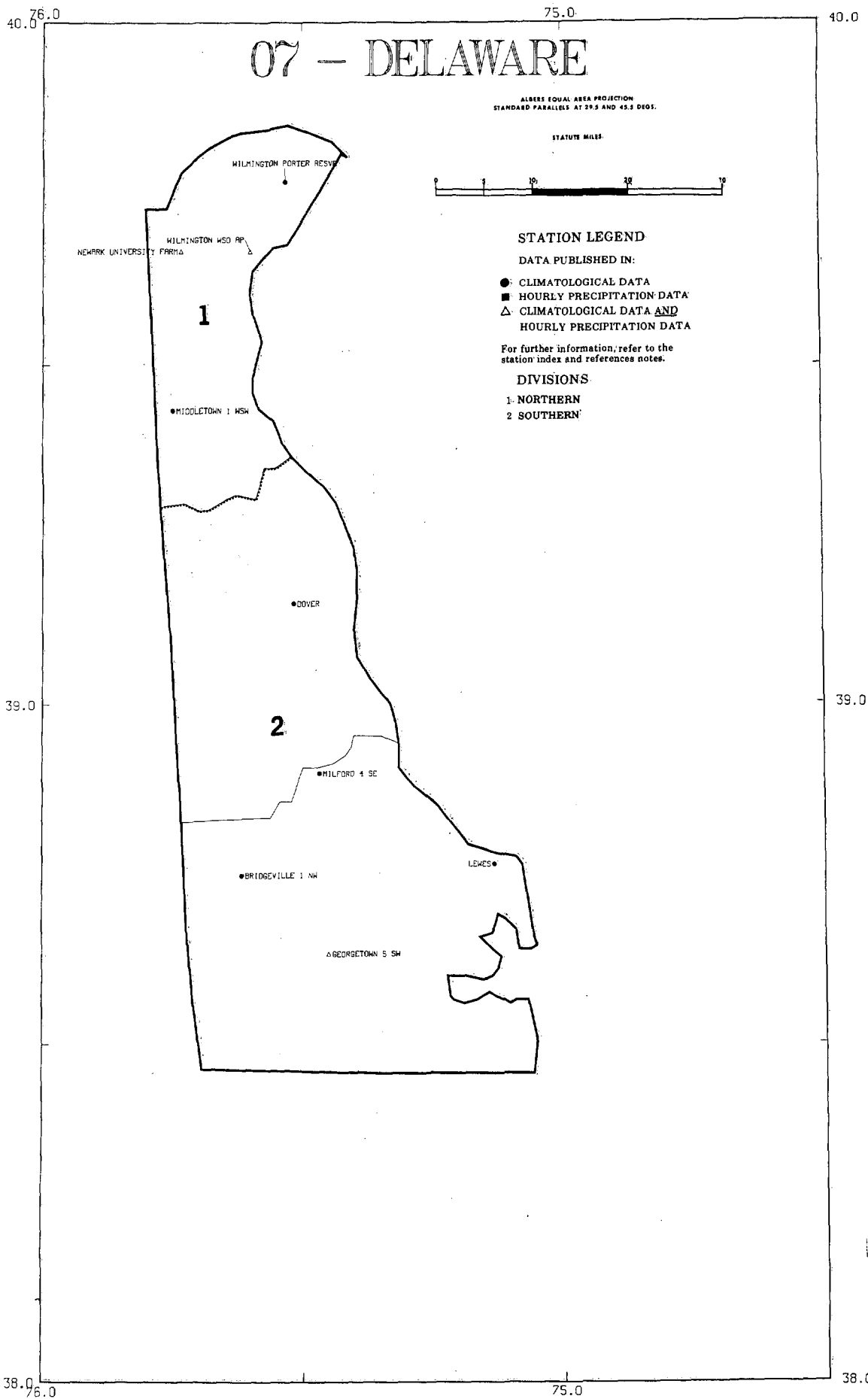
DIVISIONS
1 SOUTHERN EASTERN SHORE
2 CENTRAL EASTERN SHORE
3 LOWER SOUTHERN
4 UPPER SOUTHERN
5 NORTHERN EASTERN SHORE
6 NORTHERN CENTRAL
7 APPALACHIAN MOUNTAIN
8 ALLEGHENY PLATEAU

The map displays the state of Maryland and the District of Columbia, divided into eight numbered regions. Station locations are marked with symbols: solid circles for climatological data, solid squares for hourly precipitation data, and solid triangles for both climatological data and hourly precipitation data. The map includes a scale bar from 0 to 50 statute miles and a coordinate grid with latitude from 38.0 to 40.0 and longitude from 75.0 to 80.0. Numerous station names are labeled, including Frostburg, Cumberland, Hagerstown, Edgecumbe, Emmitsburg, Packer, Conowingo, New Germany, Merrill, Savage River, Sines Deep Creek, Oakland, Frederick, Adams, Woodstock, Baltimore, Annapolis, Rockville, Gaithersburg, Silver Spring, National Arboretum, Upper Marlboro, Potomac Filter Plant, Dalecarlia Reservoir, College Park, Glen Dale, National Zoo, Washington, D.C., and various other locations in the Eastern Shore and Western Maryland.

DATA PUBLISHED IN:

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

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



MONTHLY PRECIPITATION TOTALS												ANNUAL 1987 NORTH CAROLINA			
STATION	ANNUAL	MONTH										SEP	OCT	NOV	DEC
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG						
NORTH CAROLINA															
ASHEVILLE WSO AP	34.57	1.11	1.85	2.75	0.57	3.55						4.19	5.28	4.28	
ASHEVILLE	25.67	0.71	1.57	1.81	0.53	2.8						2.77	4.15	2.94	
ASHFORD	36.74E	1.20	2.70	2.90	0.54E	2.8						3.80	4.90	4.80	
BADIN	-	-	1.30	2.60	1.50							2.40	4.10	2.90	
B EVERETT JORDAN DAM	-	1.70	1.50	3.60								-	1.70	-	
BOGNER 5 WSO	-	1.00	2.10												
BURLINGTON 3 WSO	-	0.80	1.92E												
CAPE HATTERAS WSO	48.96	5.75	1.2												
CARTAGE 9 SE	-	0.60													
CATALDOCHEE	-														
CHARLOTTE WSO AP	26.91														
CLINTON 2 NE	-														
DALTON	-														
DODSON	-														
EDEN	-														
ELIZABETH	-														
ELIZABETH	-														
FAYETTE	-														
FARMING	-														
GREENSBORO	-														
GREENSBORO	-														
HOBOKEN	-														
LAKE LURE	-														
LAURINBURG	-														
LEXINGTON	-														
MOORESVILLE 2	-														
MOREHEAD CITY	-														
MOUNT PLEASANT	-														
N WILKESBORO 12	-														
POLKTON 2 NE	-														
QUEBEC	-														
RALEIGH-DURHAM WSO	-														
ROANKE RAPIDS	-														
ROARING GAP 1 NW	-														
SHELBY 2	-														
SNEADS FERRY 2 ENE	-														
SWANNOA 2 SSE	-														
WILKINSON WSO AP	-														
WILSON 2 SW	-														
YADKINVILLE 6 E	-														

ISSN 0364-6319

HOURLY
PRECIPITATION DATA
NORTH CAROLINA

DECEMBER 1987
WITH ANNUAL SUPPLEMENT
VOLUME 37 NUMBER 12

NORTH CAROLINA

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HOURLY PRECIPITATION DATA

NORTH CAROLINA

DECEMBER 1987
WITH ANNUAL SUPPLEMENT
VOLUME 37 NUMBER 12

31 - NORTH CAROLINA

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ISSN 0364-8319

HOURLY PRECIPITATION DATA

NORTH CAROLINA

JANUARY 1987

VOLUME 37 NUMBER 1



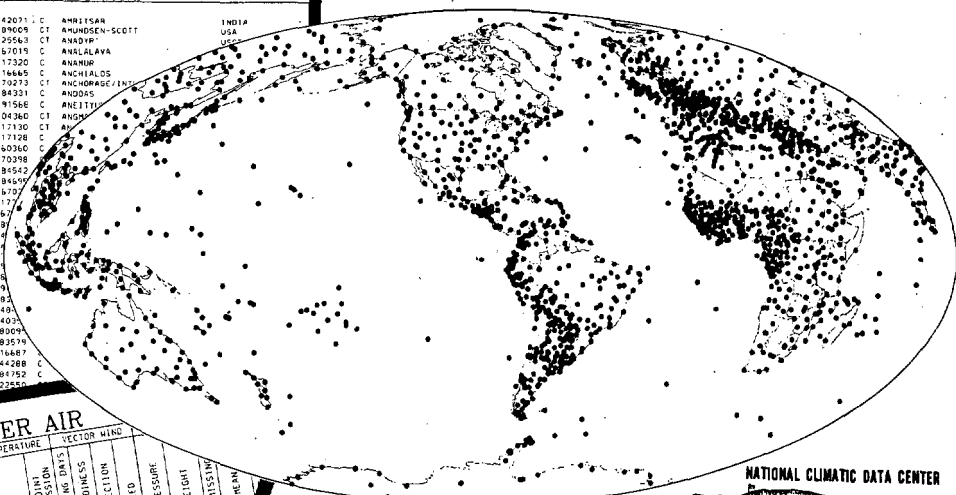
HOURLY PRECIPITATION DATA is published monthly and presents daily, hourly, and maximum short duration data for recording rain gage stations in each state except Alaska. Also included are a published station index and a locator map for the state. In addition to the regularly published data, the December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

SHELF STOCK of the printed publication is maintained only for the most recent 3 years. Earlier years are available on microfiche or paper copies reproduced from microfiche. The data is also available in digital form - on magnetic tape or floppy disk.

For further information
call or write to the
NATIONAL CLIMATIC DATA CENTER
37 Battery Park Avenue, Asheville, NC 28801-2696
Phone (704) 259-0682 or (704) CLIMATE

noaa

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

[illegible]

NATIONAL CLIMATIC DATA CENTER

[illegible]

EUROPE-NORWAY

STATION

SURFACE

JANUARY 1968

EUROPE
NORWAY
JAN HAGEN
SVABAND
LUTHERVANN
RODSSOL/LANGES
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VOL. 41 NO. 1

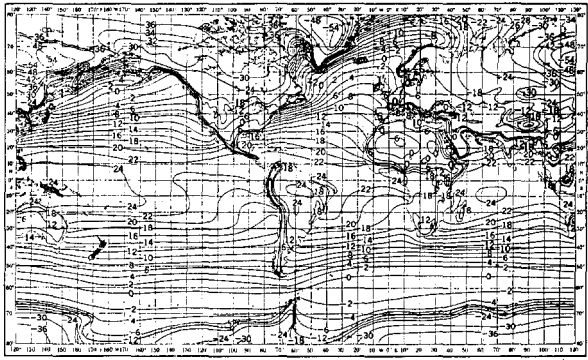
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MONTHLY CLIMATIC DATA FOR THE WORLD

PREPARED IN COOPERATION WITH THE
WORLD METEOROLOGICAL ORGANIZATION

JANUARY DEW-POINT TEMPERATURE (°C) - MEANS



MONTHLY CLIMATIC DATA for the WORLD (MCDW) is a publication of 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 as the 1850's.

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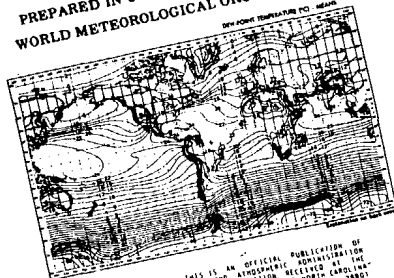
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CLIMATOLOGICAL DATA ARIZONA

LOCAL CLIMATOLOGICAL DATA Monthly Summary

STATION	DATE	TEMP	WIND	WIND DIR	WIND SPCD	WIND GUST	REL HUM	DEW PT	PRECIP	CLOUDS	SEA	WAVE	SWELL	WAVE DIR	WAVE HGT	WAVE PER	WAVE DIR	WAVE HGT	WAVE PER
TUCSON	1970	70.0	10.0	100	10.0	10.0	60.0	60.0	0.00	100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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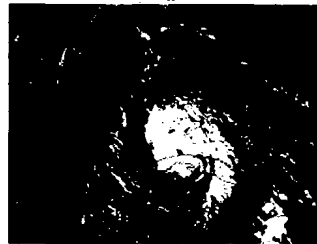


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STORM DATA



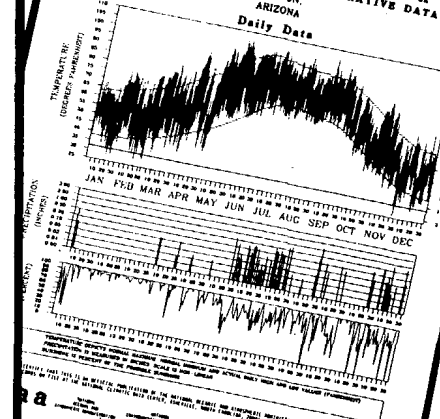
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