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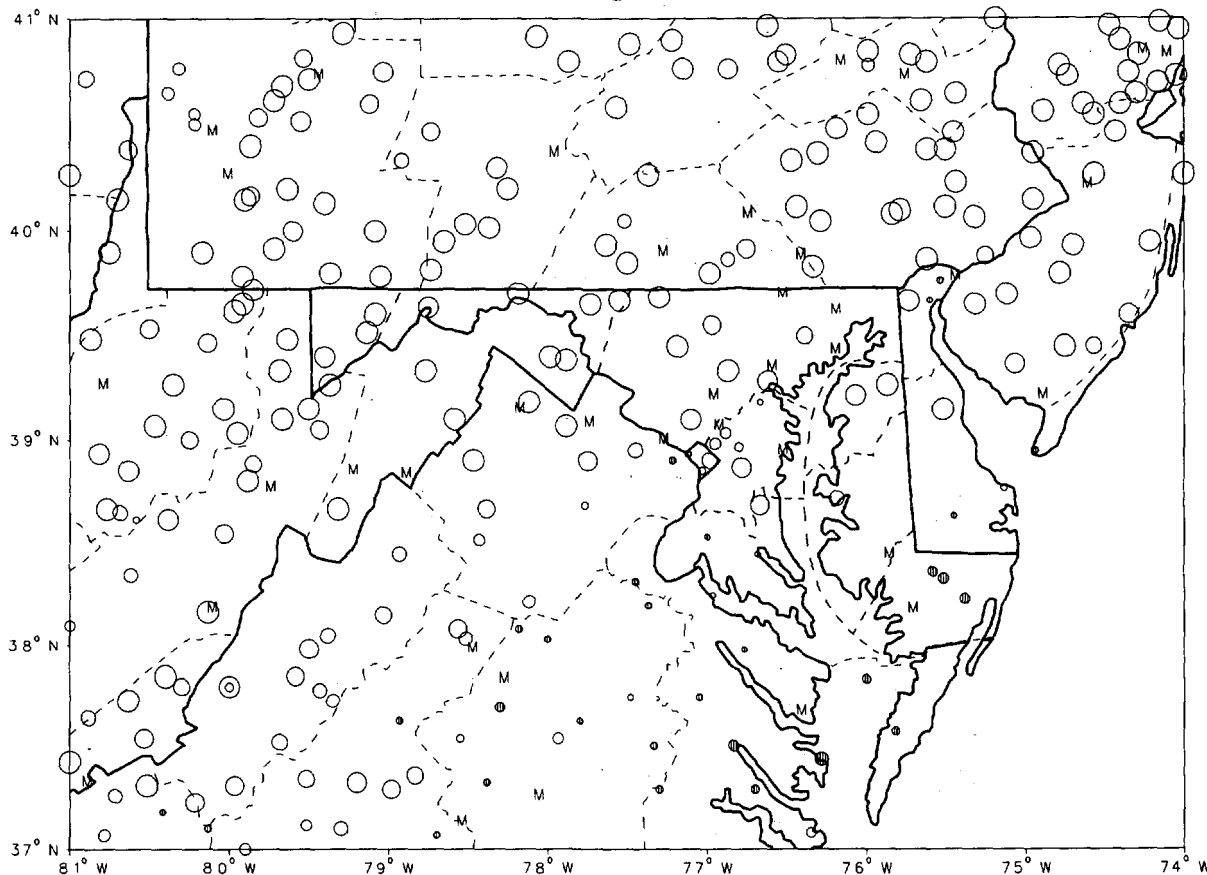
CLIMATOLOGICAL DATA MARYLAND AND DELAWARE

MAY 1993

VOLUME 97 NUMBER 5

MONTHLY PRECIPITATION DEPARTURE FROM
INDIVIDUAL STATION NORMALS (1961-1990)

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



CIRCLE DIAMETER IS PROPORTIONAL TO DEPARTURE ON A CONTINUOUS SCALE

"I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). IT IS COMPILED USING INFORMATION FROM WEATHER OBSERVING SITES SUPERVISED BY NOAA/NATIONAL WEATHER SERVICE AND RECEIVED AT THE NATIONAL CLIMATIC DATA CENTER (NCDC), ASHEVILLE, NORTH CAROLINA 28801."

Kenneth D. Halperin

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
MAY 1993

MARYLAND
HIGHEST TEMPERATURE 95
LOWEST TEMPERATURE 29
GREATEST TOTAL PRECIPITATION 5.95
LEAST TOTAL PRECIPITATION 1.11
GREATEST 1 DAY PRECIPITATION 1.81

DELAWARE
HIGHEST TEMPERATURE 88
LOWEST TEMPERATURE 42
GREATEST TOTAL PRECIPITATION 4.99
LEAST TOTAL PRECIPITATION 1.64
GREATEST 1 DAY PRECIPITATION 3.62

MAY 11
MAY 21

MAY 18

MAY 11
MAY 22

MAY 31

BALTIMORE CITY
OAKLAND 1 SE
SALISBURY FAA ARPT
2 STATIONS
SALISBURY FAA ARPT

R

NEWARK UNIVERSITY FARM
GEORGETOWN 5 SW
WILMINGTON PORTER RSVR
NEWARK UNIVERSITY FARM
WILMINGTON PORTER RSVR

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
MAY 1993

STATION	TEMPERATURE (°F)										PRECIPITATION (IN)															
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	SNOW		SLEET			NO. OF DAYS		
											90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW					TOTAL	MAX. DEPTH ON GROUND	DATE	10 OR MORE	50 OR MORE	1.00 OR MORE		
MAY 1993																										
MARYLAND																										
SOUTHERN EASTERN SHORE 01																										
ASSATEAGUE IS NATL SEA	69.0	55.5	62.3		85	12	44	1	113	35	0	0	0	0	4.52		1.28	18	.0	.0		10	3	1		
PRINCESS ANNE																			.0	.0						
SALISBURY	77.5	55.7	66.6	1.9	84	12+	45	1	40	96	0	0	0	0	5.28	1.78	1.00	17	.0	.0		7	6	1		
SALISBURY FAA ARPT	76.3	52.5	64.4	1.2	85	12+	43	9+	68	57	0	0	0	0	5.95	2.31	1.81	18	.0	.0		8	5	2		
SNOW HILL 4 N	78.3	53.6	66.0	2.5	88	12	42	1	90	89	0	0	0	0	5.64	2.12	1.65	18	.0	.0						
--DIVISIONAL DATA----->																										
			64.8	1.1											5.35	1.89			.0							
CENTRAL EASTERN SHORE 02																										
ROYAL OAK 2 SSW	75.5	56.6	66.1	1.2	83	28+	48	30+	44	82	0	0	0	0	3.03	-1.20	.89	13	.0	.0		6	3	0		
VIENNA		54.7			85	12+	46	21			0	0	0	0	3.39		1.25	13	.0	.0		4	3	1		
--DIVISIONAL DATA----->																										
			66.1	1.4											3.03	-.92			.0							
LOWER SOUTHERN 03																										
LA PLATA 1 W	75.9	54.9	65.4	1.5	84	11	43	21	61	81	0	0	0	0	4.03	.17	1.26	6	.0	.0		6	3	1		
MECHANICSVILLE 5 NE	75.8	53.9	64.9	1.0	85	28+	41	21	66	68	0	0	0	0	4.16	.04	1.12	13	.0	.0		6	4	1		
OWINGS FERRY LANDING	76.9	53.3	65.1	.7	86	12+	41	21	60	72	0	0	0	0	2.52	-1.73	.59	13	.0	.0		7	2	0		
--DIVISIONAL DATA----->																										
			65.1	.7											3.57	-.51			.0							
UPPER SOUTHERN 04																										
ANNAPOLIS POLICE BRKS	77.9	55.8	66.9	2.3	87	29+	39	23	66	134	0	0	0	0	1.46		.45	13	.0	.0		4	0	0		
BALTIMORE WSO ARPT	76.5	53.5	65.0	1.6	89	11	41	21	61	70	0	0	0	0	3.66	-.06	1.27	12	.0	.0		5	2	2		
BELTSVILLE	77.1	53.2	65.2	3.2	89	12	40	21	61	74	0	0	0	0	3.59	-.73	1.13	6	.0	.0		5	4	2		
COLLEGE PARK	78.8	55.8	67.3	3.1	92	12	43	23	46	124	1	0	0	0	3.57	-.78	1.08	6	.0	.0		5	4	2		
DALECARLIA RESERVOIR	79.7	51.1	65.4	.6	92	11	32	21	72	92	2	0	1	0	4.67	.48	1.52	13	.0	.0		6	2	1		
GLENN DALE BELL STN	76.8	50.1	63.5	.3	88	12	34	21	95	51	0	0	0	0	4.01	-.45	1.19	20	.0	.0		6	4	1		
LAUREL 3 W	77.5	54.3	65.9	2.1	90	11	40	21	59	91	1	0	0	0	1.29		.72	5	.0	.0		3	1	0		
NATIONAL ARBORETUM DC	78.9	55.5	67.2	3.2	91	12	43	21	39	116	1	0	0	0	2.83	-1.34	.67	19	.0	.0		6	3	0		
UPPER MARLBORO 3 NNW	75.9	53.8	64.9	2.3	87	12	42	21	73	77	0	0	0	0	2.32	-1.77	.65	6	.0	.0		5	2	0		
--DIVISIONAL DATA----->																										
			65.7	2.0											3.52	-.70			.0							
NORTHERN EASTERN SHORE 05																										
CHESTERTOWN	77.1	55.0	66.1	2.5	87	28+	44	21	48	89	0	0	0	0	2.20	-1.83	.42	12	.0	.0		7	0	0		
MILLINGTON 1 SE	75.8	52.4	64.1	1.5	85	28+	40	1	79	57	0	0	0	0	1.74	-2.28	.63	13	.0	.0		4	1	0		
--DIVISIONAL DATA----->																										
			65.1	1.6											1.97	-2.04			.0							
NORTHERN CENTRAL 06																										
ABERDEEN PHILLIPS FIEL					88	12	46	21			0	0	0	0	2.03		.83	13	.0	.0		5	1	0		
BALTIMORE CITY	78.4	59.1	68.8	2.0	95	11	49	21	27	149	2	0	0	0	2.23	-1.82	.64	31	.0	.0		5	2	0		
BENSON POLICE BARRACKS	80.0	55.0	67.5	4.4	91	12+	47	23+	32	118	2	0	0	0	3.09	-1.57	1.15	5	.0	.0		8	2	1		
CATOCTIN MOUNTAIN PARK	73.9	52.8	63.4		88	29	41	21	101	60	0	0	0	0	1.35		.45	5	.0	.0		5	0	0		
CLARKSVILLE 3 NNE																			.0	.0						
CONOWINGO DAM																			.0	.0						
DAMASCUS 2 SSW	74.0	50.1	62.1		87	11	35	21	121	35	0	0	0	0	2.72		.75	31	.0	.0		6	2	0		
EMMITSBURG 2 SE	75.2	51.9	63.6		88	12	39	23	94	56	0	0	0	0	2.02	-2.33	1.00	5	.0	.0		6	1	1		
FREDERICK POLICE BRKS	78.8	55.5	67.2	2.2	91	12	44	21	49	129	3	0	0	0	2.37		1.30	5	.0	.0		3	1	1		
MILLERS 4 NE	73.9	52.3	63.1		86	11	40	30	100	54	0	0	0	0	2.23		.87	5	.0	.0		5	1	0		
ROCKVILLE 1 NE	74.8	55.0	64.9	2.9	86	28+	44	23+	65	69	0	0	0	0	2.25	-1.93	.58	5	.0	.0		5	2	0		
TOWSON																			.0	.0						
UNIONVILLE	76.8	49.2	63.0	3.2	89	11	34	21	104	52	0	0	0	0	1.42	-2.65	.49	5	.0	.0		5	0	0		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
MAY 1993

STATION	TEMPERATURE (°F)													PRECIPITATION (IN)										
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	SNOW, SLEET		NO. OF DAYS			
											90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW					TOTAL	MAX. DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
WESTMINSTER POL BRKS WOODSTOCK	77.0 77.9	54.0 52.4	65.5 65.2	3.6 2.9	89 90	11 11	41 39	21 21	69 61	92 75	0 1	0 0	0 0	0 0	2.66 2.26	-1.61 -2.21	1.08 .78	12 13	.0 .0	0 0		5 6	2 1	1 0
--DIVISIONAL DATA----->			64.9	2.3											2.24	-2.13			.0					
APPALACHIAN MOUNTAIN 07																								
CUMBERLAND 2 FROSTBURG 2	77.7 69.1	50.9 48.2	64.3 58.7	1.2	89 82	11 12	35 35	20 22	85 206	70 18	0 0	0 0	0 0	0 0	1.99 2.48	-1.67 .95	.93 .19	19 19	.0 .0	0 0		5 5	1 0	0 0
HAGERSTOWN HANCOCK	75.7 76.6	53.2 48.7	64.5 62.7	2.0 2.5	91 89	12 11	40 36	21 22	86 119	74 52	1 0	0 0	0 0	0 0	1.28 1.11	-2.71 -2.58	.31 .42	13 19	.0 .0	0 0		5 5	0 0	0 0
--DIVISIONAL DATA----->			62.6	1.4											1.72	-2.21			.0					
ALLEGHENY PLATEAU 08																								
MC HENRY 2 NW OAKLAND 1 SE	69.8 70.2	47.3 44.8	58.6 57.5		84 83	12 10	35 29	21 21	211 231	20 6	0 0	0 0	0 3	0 0	2.18 2.52		.82 .70	13 31	.0 .0	0 0		5 8	2 1	0 0
SAVAGE RIVER DAM	72.4	46.2	59.3	1.7	85	11	33	21	189	19	0	0	0	0	1.90	-2.03	.85	19	.0	0		5	2	0
--DIVISIONAL DATA----->			58.5	1.9											2.20	-2.17			.0					
DELAWARE																								
NORTHERN 01																								
NEWARK UNIVERSITY FARM WILMINGTON WSO ARPT	77.4 75.9	52.5 54.6	65.0 65.3	1.9 2.8	88 87	11 28	43 44	30 21	67 64	74 79	0 0	0 0	0 0	0 0	1.64 3.95	-2.51 .11	.61 2.58	16 31	.0 .0	0 0		4 5	1 1	0 1
WILMINGTON PORTER RSVR	74.0	55.6	64.8	2.9	85	11	47	21	68	73	0	0	0	0	4.99	.66	3.62	31	.0	0		6	1	1
--DIVISIONAL DATA----->			65.0	2.4											3.53	-.52			.0					
SOUTHERN 02																								
DOVER GEORGETOWN 5 SW	74.5 75.7	54.2 52.7	64.4 64.2	.2 1.9	86 85	28 29	43 42	21 22	85 69	70 54	0 0	0 0	0 0	0 0	1.80 3.75	-2.19 .10	.70 .95	13 19	.0 .0	0 0		6 6	1 4	0 0
GREENWOOD 2 NE LEWES	75.5 75.1	52.3 56.0	63.9 65.6		85 85	28 29	44 46	30 1	81 76	57 101	0 0	0 0	0 0	0 0	2.04 3.62		.50 .83	13 17	.0 .0	0 0		5 7	1 4	0 0
--DIVISIONAL DATA----->			64.5	1.2											2.80	-1.08			.0					

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MARYLAND AND
DELAWARE
MAY 1993

SEE REFERENCE NOTES FOLLOWING STATION INDEX
5

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
MAY 1993

STATION		TOTAL	DAY OF MONTH																														
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
ALLEGHENY PLATEAU 0B																																	
MC HENRY 2 NW		2.18				.07	.03	.04						.82				.21	T	.70	T	.02	.04	.04	.01						.10	.10	
MERRILL		1.96				.25	.20	.02						.42			.15	.03	.04	.80											.03	.02	
OAKLAND 1 SE		2.52				.19	.06							.29			.08	.11	.14	.48				.07	.04						.11	.70	
SAVAGE RIVER DAM		1.90				.10	.25	.01				T	.25	.55	.03		T	.11		.85	T	T	T	T						T		T	
DELAWARE																																	
NORTHERN 01																																	
NEHARK UNIVERSITY FARM		1.64					.17	.09						.28			.61	.07	.35	.03	.04												
WILMINGTON WSO ARPT R		3.95				T	.20	T					.34	.02			.40		.33	.05	.02		T	T		T	T				.01	2.58	
WILMINGTON PORTER RSVR		4.99					.28						.30	.02			.22		.31	.18	.03		T			.03						3.62	
SOUTHERN 02																																	
DOVER		1.80					.10	.01						.70				.26	.20	.30	.23											.00	
GEORGETOWN 5 SW		3.75					.36							.64	.32			.82	.05	.95	.51	.03						.02	.05			.00	
GREENWOOD 2 NE		2.04				.03	.08	.01						.50	.13			.35	.42	.49	.03											.00	
LEWES		3.62					.27							.64	.52			.83	.56	.41	.39	T	T					T					

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES(°F)

MARYLAND AND
DELAWARE
MAY 1993

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MARYLAND																																		
SOUTHERN EASTERN SHORE	01																																	
ASSATEAGUE IS NATL SEA	07	MAX MIN	60 44	65 50	60 52	61 54	62 56	77 57	66 54	64 48	67 50	75 58	71 58	85 59	77 54	65 53	68 52	72 59	65 55	64 55	65 58	61 55	67 49	68 52	67 56	72 59	77 61	68 61	80 61	73 63	83 63	67 56	68 57	69.0 55.5
PRINCESS ANNE	17	MAX MIN																																M
SALISBURY	17	MAX OBS MIN OBS	79 45	83 51	76 52	76 54	74 58	79 60	78 57	76 48	79 48	82 56	84 58	84 65	83 63	72 52	78 52	83 64	83 61	69 55	68 55	64 57	69 47	70 48	72 49	79 58	83 ***	82 61	81 56	83 64	82 64	76 50	77 53	77.5 55.7
SALISBURY FAA ARPT	MID	MAX MIN	80 43	82 48	74 50	76 53	69 57	79 56	74 49	76 44	80 43	83 53	85 53	85 62	75 55	70 52	78 47	83 63	71 55	60 55	70 56	64 51	68 48	70 45	74 46	81 56	84 63	73 58	81 57	84 63	83 52	75 46	77 49	76.3 52.5
SNOW HILL 4 N	17	MAX MIN	75 42	81 48	77 50	73 52	72 58	81 59	79 53	73 44	82 44	85 54	86 53	88 64	84 62	75 52	78 49	85 63	83 61	66 55	70 56	65 58	69 46	70 45	74 46	81 46	85 62	82 61	83 54	84 61	84 66	81 48	76 50	78.3 53.6
CENTRAL EASTERN SHORE	02																																	
ROYAL OAK 2 SSW	18	MAX MIN	73 48	79 52	76 53	77 55	73 61	79 59	76 57	74 50	76 57	81 56	83 59	81 62	76 58	70 50	77 55	83 61	71 59	69 56	64 56	66 56	67 50	69 48	71 50	79 63	81 65	75 65	79 53	83 64	82 68	72 48	77 61	75.5 56.6
VIENNA	18	MAX MIN OBS	80 48	83 53	81 52	74 51	76 50	81 51	82 57	80 48	81 51	82 55	85 63	85 64	80 55	72 50	78 56	74 65	73 57	68 54	66 55	74 46	66 61	71 48	74 47	81 58	71 61	74 44	81 58	68 55	68 53	55 67	50 54	54.7
LOWER SOUTHERN	03																																	
LA PLATA 1 W	18	MAX MIN	80 47	83 52	78 57	76 57	76 62	77 57	76 52	76 49	78 54	81 57	84 58	82 61	80 59	68 51	80 53	83 61	70 57	69 57	61 51	64 50	65 43	67 46	70 44	79 61	79 66	76 58	78 48	83 65	83 65	73 50	79 55	75.9 54.9
MECHANICSVILLE 5 NE	19	MAX MIN	78 47	81 53	73 54	73 56	75 61	78 59	75 52	75 46	78 50	83 53	85 58	84 62	75 58	68 50	80 61	84 58	70 56	66 57	62 57	66 52	67 41	68 45	72 44	81 57	81 65	75 58	81 48	85 64	79 65	73 47	79 55	75.8 53.9
OWINGS FERRY LANDING	17	MAX MIN	78 45	81 49	79 53	75 54	75 61	79 57	79 51	76 47	79 51	83 53	86 57	86 61	82 59	70 49	81 52	83 56	71 56	69 55	61 56	66 52	67 41	68 44	81 43	80 58	78 60	81 58	85 62	84 63	76 47	78 55	76.9 53.3	
UPPER SOUTHERN	04																																	
ANNAPOLIS POLICE BRKS	17	MAX MIN OBS										85 56	87 56	86 67	81 61	71 52	78 52	85 62	72 56	68 54	61 51	68 49	68 43	73 41	76 39	82 61	85 68	79 63	84 54	87 65	87 68	77 53	73 60	77.9 55.8
BALTIMORE WSO ARPT	MID	MAX MIN	79 47	80 53	73 54	73 56	78 61	79 57	78 57	76 49	80 54	85 55	89 59	85 62	70 54	73 50	81 50	82 59	72 53	62 54	63 54	66 47	68 41	73 46	82 56	84 64	73 55	79 50	87 63	77 54	76 47	78 53	76.5 53.5	
BELTSVILLE	08	MAX OBS MIN OBS	76 45	81 50	81 55	74 55	74 58	79 56	78 53	77 47	78 52	81 53	85 58	89 61	84 58	73 48	73 48	82 56	85 54	73 55	62 54	62 52	67 40	73 46	70 43	75 54	73 64	85 62	76 48	83 63	87 63	78 45	76 54	77.1 53.2
COLLEGE PARK	09	MAX OBS MIN OBS	78 47	83 52	84 58	77 58	77 61	80 57	81 56	80 50	82 55	83 57	88 60	92 68	85 61	73 50	74 51	84 60	86 55	75 57	63 55	61 52	66 46	71 48	68 43	75 55	85 66	86 63	76 52	83 67	89 67	80 48	78 54	78.8 55.8
DALECARLIA RESERVOIR	17	MAX MIN OBS	82 35	84 53	83 57	77 57	80 62	81 44	79 51	80 38	82 54	87 45	92 58	90 50	84 59	74 50	84 48	86 58	73 55	72 55	60 55	66 41	68 32	69 42	75 44	85 44	85 65	80 61	83 38	88 62	87 63	77 48	79 60	79.7 51.1
GLENN DALE BELL STN	16	MAX MIN OBS	80 42	80 60	80 42	72 54	78 50	74 56	78 50	75 42	77 47	82 50	84 56	88 58	82 55	69 42	78 45	81 53	70 52	70 52	66 52	64 48	64 34	70 38	80 45	81 63	78 57	77 43	83 56	84 60	84 60	82 45	76.8 50.1	
LAUREL 3 W	MID	MAX MIN	83 50	81 55	84 59	73 59	78 62	80 54	81 50	78 50	82 58	83 58	90 60	83 62	68 58	80 48	82 50	82 56	83 56	62 56	61 56	68 50	68 40	68 46	73 42	83 56	83 70	74 41	82 50	84 64	74 60	76 46	74 60	77.5 54.3

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
MAY 1993

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NATIONAL ARBORETUM DC	07	MAX OBS MIN	79 49	82 54	83 56	75 57	85 57	81 56	81 55	79 50	81 55	83 56	86 60	91 62	86 61	76 50	75 50	83 58	87 57	75 57	64 55	62 53	68 43	69 49	67 54	76 55	84 65	85 63	76 50	83 62	89 67	79 48	77 56	78.9
UPPER MARLBORO 3 NNW	08	MAX MIN	73 46	78 49	81 56	74 56	74 58	77 57	79 54	77 47	77 52	80 53	84 58	87 62	83 59	74 49	71 51	80 60	84 56	72 57	60 55	60 52	65 42	61 46	68 43	73 52	82 64	82 61	74 48	82 61	86 67	78 45	76 51	75.9
NORTHERN EASTERN SHORE	05																																	
CHESTERTOWN	23	MAX MIN	81 47	85 53	74 52	74 55	75 59	80 58	78 55	80 49	81 54	86 55	87 59	84 61	71 58	73 48	81 55	85 62	73 55	59 53	60 53	67 53	69 44	71 50	75 48	83 60	83 66	75 61	81 58	87 59	77 60	77 47	78 57	77.1
MILLINGTON 1 SE	18	MAX OBS MIN OBS	78 40	80 50	75 50	72 54	72 57	77 57	77 54	77 45	79 49	84 52	85 54	84 59	69 61	70 48	80 48	80 62	71 54	69 53	60 53	64 54	66 41	70 44	71 42	82 57	82 63	78 60	79 48	85 56	83 66	74 42	76 50	75.8
NORTHERN CENTRAL	06																																	
ABERDEEN PHILLIPS FIEL	16	MAX MIN		80 53	80 53	73 56	73 60	77 56	79 54			84 54	85 60	88 63	83 62	69 47		71 53	71 54		60 53	63 55	67 46			80 58	82 64	82 62	78 52	86 58				M
BALTIMORE CITY	MID	MAX MIN	78 56	82 59	75 55	72 56	75 62	84 61	78 63	78 58	80 58	86 63	95 66	89 59	71 54	73 57	84 57	87 63	75 54	66 57	63 53	65 55	70 49	70 54	77 54	86 62	88 70	78 64	84 60	92 67	78 64	76 56	76 59	78.4
BENSON POLICE BARRACKS	17	MAX MIN	84 49	85 53	84 53	78 57	76 60	82 60	81 56	80 50	82 55	87 56	91 60	91 55	81 58	75 48	82 50	82 58	74 54	74 52	62 53	67 54	70 47	71 51	76 47	83 57	86 64	84 61	81 56	89 57	88 69	77 48	76 54	80.0
CATOCTIN MOUNTAIN PARK	17	MAX MIN	77 49	79 54	76 52	68 53	73 58	76 56	76 53	79 53	80 57	83 62	86 63	86 59	70 52	66 45	78 54	83 59	66 47	65 50	59 48	61 43	62 41	65 44	68 48	77 56	77 55	77 52	75 56	85 59	88 60	70 45	66 54	73.9
CLARKSVILLE 3 NNE	17	MAX MIN																																
CONOWINGO DAM	MID	MAX MIN																																
DAMASCUS 2 SSW	22	MAX MIN	79 47	80 49	73 51	68 54	73 60	78 51	77 47	77 46	80 50	84 54	87 60	81 59	65 56	70 42	81 47	79 59	69 50	60 48	63 48	64 35	66 40	70 37	80 48	80 60	71 52	77 45	84 58	74 52	71 41	72 58	74.0	
EMMITSBURG 2 SE	17	MAX MIN	77 45	79 51	77 56	71 58	74 62	78 56	78 53	76 46	78 52	83 55	87 58	88 62	66 44	68 46	78 59	78 51	67 47	68 52	63 50	65 41	66 48	69 39	79 50	81 62	81 52	78 49	85 51	86 67	72 40	73 50	75.2	
FREDERICK POLICE BRKS	17	MAX MIN	81 50	81 55	82 57	79 58	77 61	80 60	81 55	78 51	81 57	86 62	90 63	91 68	81 55	72 47	82 51	81 59	71 55	71 51	64 51	65 44	68 45	69 51	71 45	83 55	85 63	84 59	80 53	88 61	90 69	76 48	76 56	78.8
MILLERS 4 NE	18	MAX MIN	79 49	79 54	75 52	70 55	72 59	75 56	75 56	75 48	80 54	83 56	86 60	84 59	60 53	68 45	78 59	77 51	67 46	65 46	62 51	62 49	64 41	66 43	70 41	79 54	80 62	77 56	76 51	83 56	82 65	72 40	71 52	73.9
ROCKVILLE 1 NE	MID	MAX MIN	81 49	81 52	73 56	70 57	75 61	76 57	75 58	76 50	78 58	83 56	86 62	80 61	68 56	69 50	82 50	80 60	69 55	62 54	65 49	66 44	67 47	72 44	81 58	81 66	73 59	79 55	86 63	75 56	73 49	75 60	74.8	
TOWSON	18	MAX MIN																																
UNIONVILLE	17	MAX MIN	80 42	82 46	76 55	73 56	77 62	80 54	79 46	78 41	82 51	86 53	89 56	85 56	65 55	72 44	80 45	78 51	71 53	69 46	63 52	66 45	67 34	68 38	73 37	81 50	83 56	77 54	81 38	87 53	87 65	74 39	73 51	76.8
WESTMINSTER POL BRKS	17	MAX MIN OBS	80 51	81 54	81 52	72 54	78 61	78 58	78 55	79 51	81 55	86 59	89 62	88 58	66 54	71 47	81 51	82 60	70 49	67 50	64 50	63 47	68 41	66 48	72 48	82 58	83 66	79 55	79 52	87 58	87 66	73 48	76 55	77.0
WOODSTOCK	18	MAX MIN	82 45	81 51	80 53	71 55	78 61	81 54	79 55	80 47	82 51	87 54	90 57	84 63	70 57	73 45	83 47	82 55	74 50	70 53	62 52	66 50	68 39	70 42	75 46	84 53	84 62	76 58	81 47	87 57	86 65	76 47	74 54	77.9
APPALACHIAN MOUNTAIN	07																																	
CUMBERLAND 2	18	MAX MIN OBS	81 53	82 56	79 59	73 59	80 58	80 50	80 47	82 47	88 55	89 59	89 60	85 53	72 43	74 47	83 49	81 46	73 46	68 50	65 45	65 35	64 40	68 42	72 43	80 51	79 55	74 53	81 57	87 61	85 60	76 48	74 52	77.7
FROSTBURG 2	07	MAX MIN	71 49	73 50	75 54	69 54	59 54	72 56	71 50	72 47	75 49	82 54	81 56	82 61	75 57	64 42	69 40	76 54	66 42	66 40	54 47	58 41	56 37	57 35	59 40	66 42	74 57	71 49	64 50	74 53	78 55	64 40	69 40	69.1

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
MAY 1993

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE	
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
HAGERSTOWN	08	MAX MIN	77 57	81 54	81 56	75 58	70 58	76 59	80 56	78 51	78 52	82 60	86 61	91 63	81 59	62 44	71 47	81 58	74 48	71 49	60 52	65 46	66 40	67 45	70 44	74 56	81 58	83 56	75 51	81 57	81 61	73 46	75 47	75.7 53.2	
HANCOCK	08	MAX MIN	79 44	86 48	82 54	76 58	71 62	82 56	81 47	80 44	81 49	85 55	89 59	81 55	85 55	70 39	73 45	85 51	69 47	71 47	59 49	67 48	65 38	66 36	68 38	73 41	83 54	81 54	74 49	81 51	86 55	72 38	75 45	76.6 48.7	
ALLEGHENY PLATEAU MC HENRY 2 NW	08	MAX MIN	74 50	76 51	76 55	74 52	65 53	71 54	71 47	75 48	76 53	83 58	84 58	84 58	75 45	65 37	68 39	76 50	64 39	67 40	52 48	52 37	54 35	57 36	61 40	65 46	71 57	73 48	67 47	75 50	77 54	65 39	72 42	69.8 47.3	
OAKLAND 1 SE	17	MAX MIN	73 42	75 42	73 59	69 54	69 50	70 54	73 36	77 41	81 46	83 45	82 49	80 56	62 48	67 31	74 44	71 55	66 42	64 40	54 49	54 39	58 29	57 35	64 35	73 42	72 59	67 49	74 41	77 41	75 52	71 32	71 51	70.2 44.8	
SAVAGE RIVER DAM	08	MAX MIN	75 46	76 47	78 49	73 56	63 56	74 56	75 44	77 43	77 46	85 53	85 54	84 55	78 52	67 37	72 39	78 48	70 40	70 42	54 44	60 44	59 33	61 36	63 39	69 42	76 46	73 51	68 45	77 53	81 59	70 37	75 41	72.4 46.2	
DELAWARE																																			
NORTHERN	01																																		
NEWARK UNIVERSITY FARM	17	MAX MIN	80 46	81 51	80 51	70 52	75 58	77 56	74 49	78 45	81 50	86 54	88 57	86 62	80 56	71 48	82 48	82 61	71 52	70 53	64 50	63 53	67 46	70 47	74 46	82 51	85 64	84 60	78 50	87 55	83 66	75 43	75 48	77.4 52.5	
WILMINGTON WSO ARPT	MID	MAX MIN	79 51	82 54	72 53	70 53	70 60	78 59	78 58	75 50	81 54	87 58	87 60	82 62	66 52	73 50	81 53	83 61	71 53	62 53	63 49	64 44	68 47	71 47	74 60	82 66	85 66	75 58	79 55	87 60	76 57	76 46	75 56	75.9 54.6	
WILMINGTON PORTER RSVR	MID	MAX MIN	79 50	80 59	72 52	68 52	69 58	76 59	76 58	75 51	80 55	83 65	85 60	81 62	63 54	71 50	79 52	80 61	70 53	62 52	61 52	62 49	67 47	68 50	72 50	79 59	83 66	73 60	77 58	84 59	74 58	74 59	72 55	74.0 55.6	
SOUTHERN	02																																		
DOVER	17	MAX MIN	70 44	72 52	71 51	63 53	68 54	75 60	75 58	69 49	79 46	82 58	82 60	82 64	80 60	68 51	77 52	80 64	80 56	69 54	60 53	60 56	64 43	70 48	73 48	81 53	81 65	81 63	78 55	86 58	85 55	74 49	75 47	74.5 54.2	
GEORGETOWN 5 SW	08	MAX MIN	73 44	78 49	81 53	70 52	74 55	71 58	77 54	72 51	74 47	82 55	84 57	85 58	85 62	75 50	78 54	84 58	76 54	67 53	59 42	67 47	63 42	67 42	70 47	74 52	81 51	84 48	74 50	82 61	85 63	79 49	77 52	75.7 52.7	
GREENWOOD 2 NE	18	MAX MIN	80 45	79 50	70 49	74 51	71 55	78 56	74 51	76 44	80 47	84 52	85 56	84 61	80 56	70 49	77 49	83 62	70 57	64 52	62 53	63 55	65 44	68 45	71 44	79 55	83 64	80 61	78 49	85 59	80 56	73 44	76 50	75.5 52.3	
LEWES	17	MAX MIN	71 46	70 51	70 49	63 50	71 52	74 60	74 58	69 48	80 48	82 60	85 61	85 68	83 61	66 53	78 52	83 64	82 59	66 54	62 53	63 56	64 47	67 49	73 49	81 59	84 66	83 63	83 56	85 64	85 69	72 58	75 53	75.1 56.0	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

EVAPORATION AND WIND

MARYLAND AND
DELAWARE
MAY 1993

STATION		DAY OF MONTH																															MAY 1953	
		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	TOTAL OR AVG	
MARYLAND																																		
UPPER SOUTHERN 04																																		
BELTSVILLE	WIND	21	-	-	72	62	27	38	22	26	21	18	25	26	23	15	35	20	22	27	14	32	23	31	21	40	45	35	44	37	39	49	9728	
	EVAP	16	-	-	21	11	43	22	22	23	17	17	24	37	14	20	37	7	23	4	2	15	18	16	17	25	24	27	29	23	29	29	6.548	
	MAX	80	-	-	81	75	83	87	90	88	91	92	95	89	81	87	90	91	88	62	64	75	63	75	77	88	87	85	87	92	86	89	83.4	
	MIN	53	-	-	56	57	60	58	57	59	59	62	64	63	53	52	58	58	59	56	54	50	49	52	60	60	60	55	56	64	54	56	57.0	
UPPER MARLBORO 3 NNW																																		
	WIND	1	0	1	5	8	4	3	2	2	5	1	6	3	4	3	5	3	1	0	1	1	2	3	2	3	4	1	1	1	7	3	0	85
	EVAP	17	14	20	20	14	12	25	22	24	21	22	21	19	17	-	-	17	13	8	4	16	17	12	20	23	17	20	20	24	21	24	5.608	
	MAX	66	69	71	70	68	70	71	73	73	74	76	77	75	72	74	76	77	76	67	64	69	70	69	68	74	73	76	78	79	79	79	72.7	
	MIN	55	56	58	61	61	62	61	61	61	62	63	65	66	62	62	62	65	65	63	62	59	59	54	54	62	66	63	63	67	64	64	61.5	
ALLEGHENY PLATEAU 08																																		
SAVAGE RIVER DAM																																		
	WIND	40	28	30	63	38	39	54	27	30	29	27	47	34	44	23	33	24	29	20	24	33	28	38	18	27	37	45	22	50	44	18	1043	
	EVAP	-	-	18	18	8	6	36	3	25	21	20	29	22	15	10	26	10	25	2	-	9	17	12	-	7	21	17	29	14	18	24	5.308	
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
DELAWARE																																		
SOUTHERN 02																																		
GEORGETOWN 5 SW																																		
	WIND	10	20	20	10	15	12	3	5	3	2	11	77	3	38	79	112	162	47	52	28	80	59	51	38	144	58	60	85	74	131	69	1658	
	EVAP	*	*	*	*	*	95	31	-	34	43	20	46	40	37	50	13	28	6	70	42	13	27	62	68	10	-	-	-	-	-	-	9.498	
	MAX	80	84	87	82	79	73	85	86	87	90	94	89	87	82	90	94	91	84	57	69	65	66	68	80	86	91	82	86	91	84	86	82.4	
	MIN	49	49	52	50	56	61	57	57	48	57	59	62	62	54	55	53	52	52	55	56	50	50	53	57	62	62	54	62	62	48	56	55.2	

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
MAY 1993

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER
							LOCAL STD TIME				
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)	
MARYLAND ABERDEEN PHILLIPS FIEL ANNAPOLIS POLICE BRKS ASSATEAGUE IS NATL SEA BALTIMORE WSO ARPT BALTIMORE CITY # BELTSVILLE BENSON POLICE BARRACKS CATOCTIN MOUNTAIN PARK	001506 019304 033501 046504 047006 070004 073206 153006	R R	HARFORD ANNE ARUNDEL WORCESTER ANNE ARUNDEL BALTIMORE CI PRINCE GEORG HARFORD FREDERICK	39 28 38 59 38 14 39 11 39 17 39 2 39 30 39 39	76 10W 76 30W 75 8W 76 40W 76 37W 76 53W 76 23W 77 29W	57 25 10 148 14 120 365 1610	16 17 07 MID MID 08 17 17	16 17 07 MID MID 08 17 17	C H H C C 08 C C	H H H H H H H H	PHILLIPS ARMY AIRFIELD ANNAPOLIS POLICE BRKS NATIONAL PARK SERVICE NATL WEATHER SERVICE NATIONAL WEATHER SERVICE USDA CHEM & BIOPHYS LAB MARYLAND STATE POLICE CATOCTIN MOUNTAIN PARK
CHESTERTOWN CLARKSVILLE 3 NNE COLLEGE PARK CONOWINGO DAM CUMBERLAND 2 DALECARLIA RESERVOIR DAMASCUS 2 SW DAMASCUS 2 SSW EDGEMONT	175005 186206 199504 206006 228207 232504 233506 233606 277007		KENT HOWARD PRINCE GEORG HARFORD ALLEGANY DIS COLUMBIA MONTGOMERY MONTGOMERY WASHINGTON	39 13 39 15 38 59 39 39 39 38 38 56 39 16 39 16 39 40	76 4W 76 56W 76 57W 76 10W 78 45W 77 7W 77 14W 77 14W 77 33W	40 370 90 40 730 150 722 670 905	23 17 09 MID 18 17 19 22 07	23 17 09 MID 07 17 19 22 07	C H C H H H H H H	H H H H H H H H H	THOMAS W ELIASON JR UNIV OF MD AGRONOMY DEPT UNIVERSITY OF MARYLAND SUSQUEHANNA ELECTRIC CO TIMOTHY B THOMAS U S CORPS OF ENGINEERS INACTIVE 01/01/92 ROBERT J LEFFLER JOHN W HARNE
EMMITSBURG 2 SE FREDERICK POLICE BRKS FROSTBURG 2 GLENN DALE BELL STN HAGERSTOWN HANCOCK LA PLATA 1 W LAUREL 3 W MC HENRY 2 NW	290606 334806 341507 367504 397507 403007 508003 511104 583208		FREDERICK FREDERICK ALLEGANY PRINCE GEORG WASHINGTON WASHINGTON CHARLES PRINCE GEORG GARRETT	39 41 39 25 39 40 38 58 39 39 39 42 38 32 39 6 39 35	77 18W 77 26W 78 56W 76 48W 77 44W 78 11W 77 0W 76 54W 79 22W	416 380 2170 150 660 428 140 400 2680	17 17 07 16 08 08 18 MID 08	17 17 07 16 08 08 18 MID 08	C H H H H C H H C	H H H H H H H H H	LUCILLE K BEALE MARYLAND STATE POLICE KENNETH L CLOSE USOA PLANT INTRODUCT STN HAGERSTOWN RESERVOIR TOWN OF HANCOCK C RUSSELL LEVERING WA SUBURBAN SANITARY COM JOSEPH F JOHENNING
MECHANICSVILLE 5 NE MERRILL MILLERS 4 NE MILLINGTON 1 SE NATIONAL ARBORETUM DC OAKLAND 1 SE OWINGS FERRY LANDING POTOMAC FILTER PLANT PRINCESS ANNE	586503 589408 593406 598505 635004 662008 677003 727206 733001		ST MARYS GARRETT CARROLL KENT DIS COLUMBIA GARRETT CALVERT MONTGOMERY SOMERSET	38 27 39 36 39 43 39 16 38 54 39 24 38 41 39 2 38 13	76 41W 79 5W 76 48W 75 52W 76 59W 79 24W 76 40W 77 15W 75 41W	100 1790 860 30 50 2420 160 270 20	19 09 18 18 07 17 17 08 17	19 09 18 18 07 17 17 08 17	C H C H H H H H H	H H H H H H H H H	SANDRA J HASTINGS DELWOOD E MERRILL BOBBY P MILLER HOWARD L HARVEY US NATIONAL ARBORETUM BEA J CROSCO JAMES C RASMUSSEN POTOMAC WATER FILT PLANT UNIV OF MD EASTERN SHORE
ROCKVILLE 1 NE ROYAL OAK 2 SSW SALISBURY SALISBURY FAA ARPT # SAVAGE RIVER DAM SNOW HILL 4 N TOWSON UNIONVILLE UPPER MARLBORO 3 NNW	770506 780602 800001 800501 806508 838001 887706 903006 907004		MONTGOMERY TALBOT WICOMICO WICOMICO GARRETT WORCESTER BALTIMORE FREDERICK PRINCE GEORG	39 6 38 43 38 22 38 20 39 31 38 14 39 23 39 27 38 52	77 6W 76 11W 75 35W 75 31W 79 8W 75 23W 76 34W 77 11W 76 47W	440 10 10 50 1495 30 390 430 100	MID 17 17 MID 08 17 17 07 08	17 18 17 MID 08 17 18 17 08	C H H H 08 H H C 08	H H H H H H H H H	WASHINGTON GAS & ELEC CO JOHN L SWAINE JR CITY OF SALISBURY FAA US CORPS OF ENGINEERS CURTIS E SHOCKLEY ENVIRONMENTAL TECH GROUP RICHARD GETZANDANNER UNIVERSITY OF MARYLAND
VIENNA WESTMINSTER POL BRKS WOODSTOCK	914002 944006 975006		DORCHESTER CARROLL BALTIMORE	38 29 39 33 39 20	75 50W 76 58W 76 52W	10 765 460	18 17 18	18 17 18	C H H	H H H	DELMARVA POWER & LIGHT MARYLAND STATE POLICE JOHN A HILTZ
DELAWARE DOVER GEORGETOWN 5 SW GREENWOOD 2 NE LEWES NEWARK UNIVERSITY FARM	273002 357002 359502 532002 641001		KENT SUSSEX SUSSEX SUSSEX NEW CASTLE	39 9 38 38 38 50 38 46 39 40	75 31W 75 27W 75 35W 75 8W 75 44W	30 45 45 15 90	17 08 18 17 17	17 08 18 17 17	C H H H 17	H H H H H	STATE HIGHWAY DEPT UNIV OF DEL SUBSTATION DANIEL M SWARTZENTRUBER BOARD OF PUBLIC WORKS UNIV OF DEL AGRIC FARM

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
MAY 1993

MAY 1993

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER
							LOCAL STD TIME				
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)	
WILMINGTON WSO ARPT	R9595	01	NEW CASTLE	39 40	75 36W	79	MID	MID		C H J	NATIONAL WEATHER SERVICE
WILMINGTON PORTER RSVR	9605	01	NEW CASTLE	39 46	75 32W	270	MID	MID		H	PUBLIC WORKS

SEE REFERENCE NOTES FOLLOWING STATION INDEX

REFERENCE NOTES

MARYLAND AND
DELAWARE
MAY 1993

DEFINITIONS

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

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

NORMALS: The average value of the meteorological element over a time period. Effective 1 January 1993, the averaging period is 1961 to 1990. 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 number 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 indicated 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 the "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 the "Soil Temperatures" table.
H Observations appear in the "Snowfall and Snow on the 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 the 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 the 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 check, 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 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 of 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. MAY 1993-0585

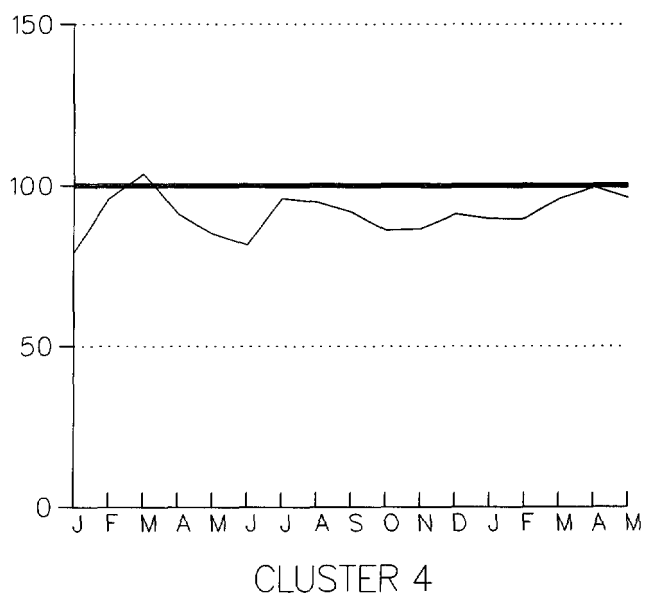
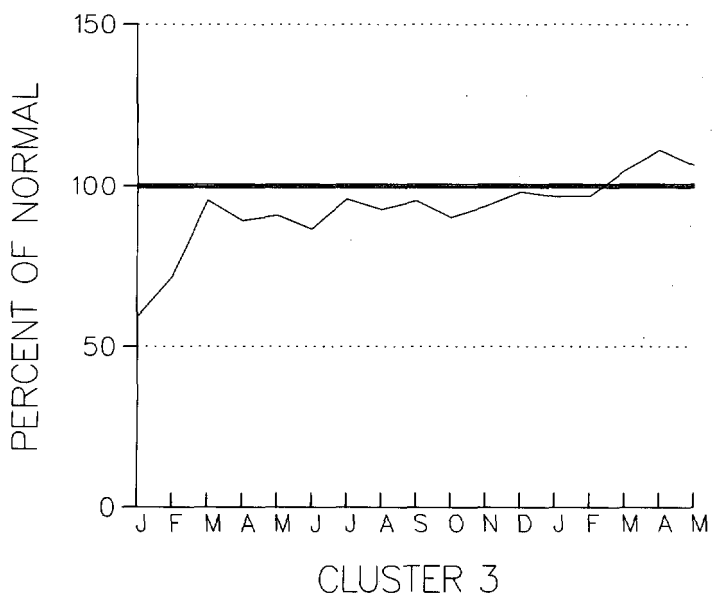
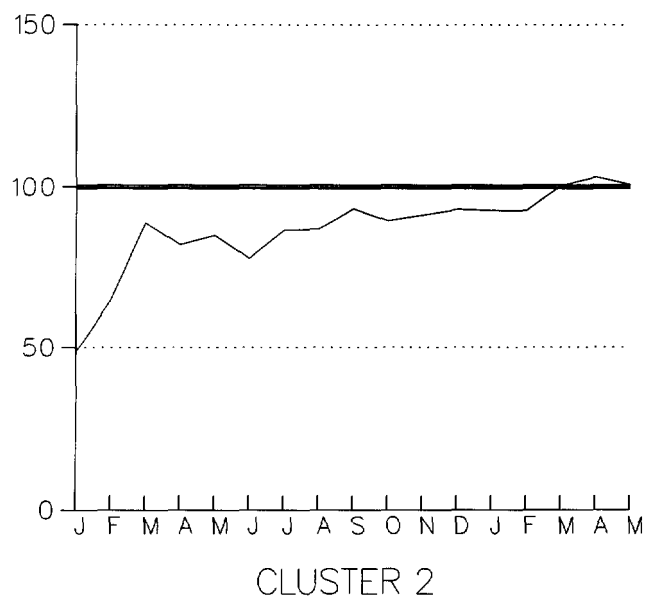
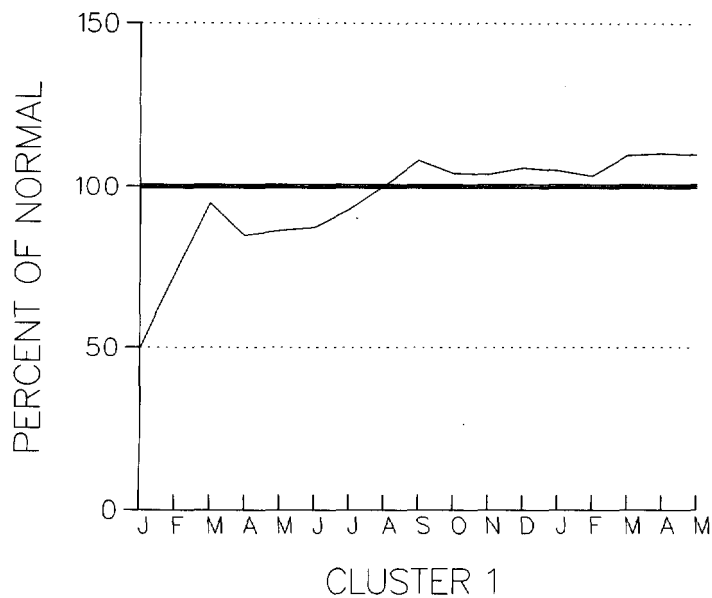
CUMULATIVE PRECIPITATION DEPARTURES FROM NORMAL (1961-1990) FOR THE LAST 17 MONTHS ENDING MAY 1993 MARYLAND

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

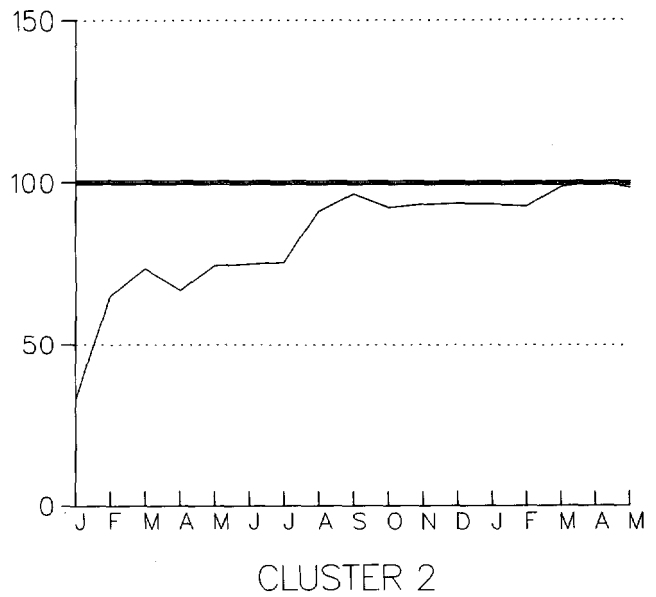
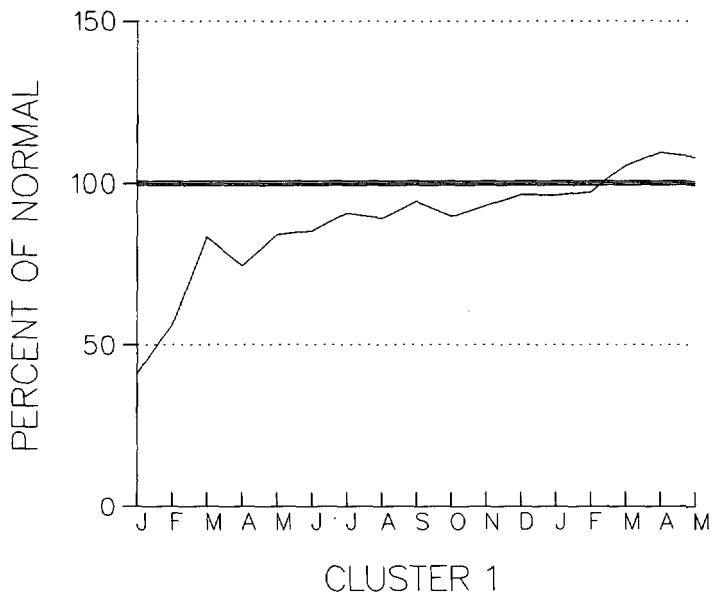
CLUSTER 4 -DIVISION(S):
ALLEGHENY PLATEAU 08



CUMULATIVE PRECIPITATION DEPARTURES FROM NORMAL (1961–1990)
FOR THE LAST 17 MONTHS
ENDING MAY 1993
DELAWARE

CLUSTER 1 –DIVISION(S):
NORTHERN 01

CLUSTER 2 –DIVISION(S):
SOUTHERN 02



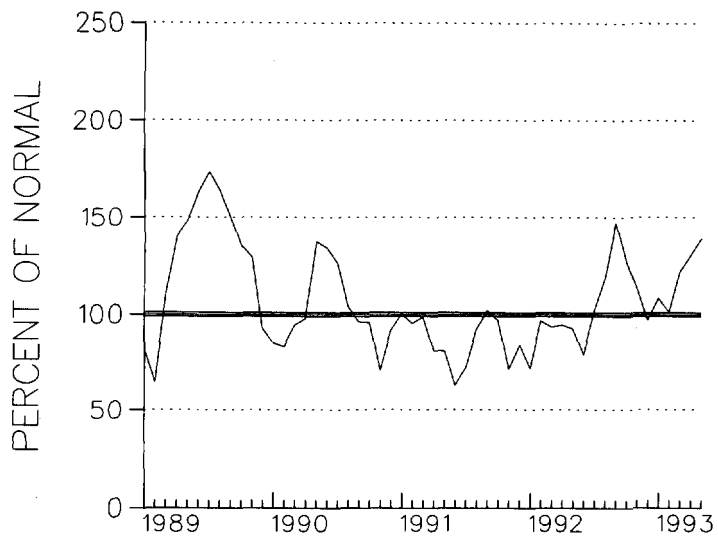
PRECIPITATION DEPARTURES FROM NORMAL (1961–1990) THREE MONTH RUNNING MEAN FOR THE 53 MONTHS ENDING WITH MAY 1993 DATA MARYLAND

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 CENTRAL EASTERN SHORE 02
 LOWER SOUTHERN 03

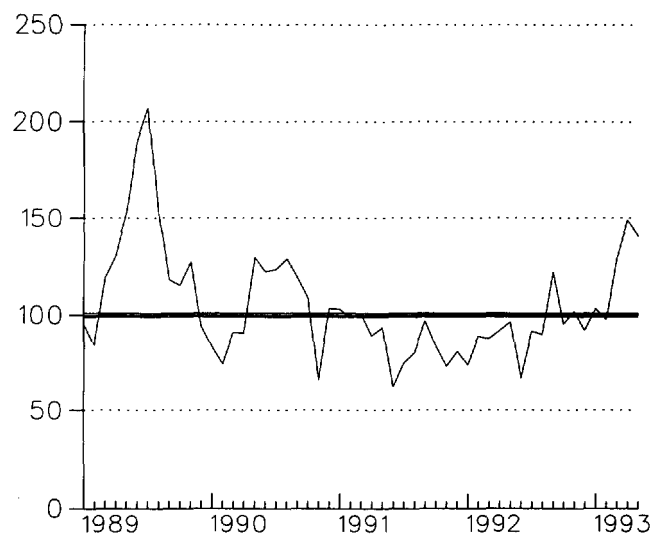
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 UPPER SOUTHERN 04
 NORTHERN EASTERN SHORE 05

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 NORTHERN CENTRAL 06
 APPALACHIAN MOUNTAIN 07

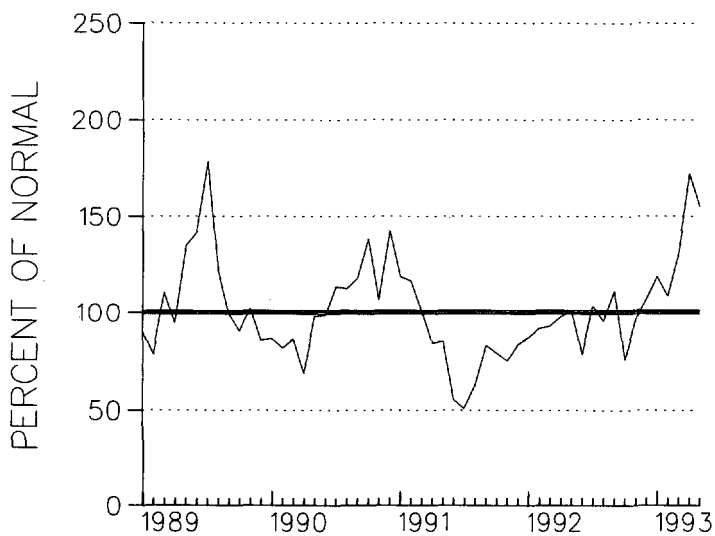
CLUSTER 4 –DIVISION(S):
 ALLEGHENY PLATEAU 08



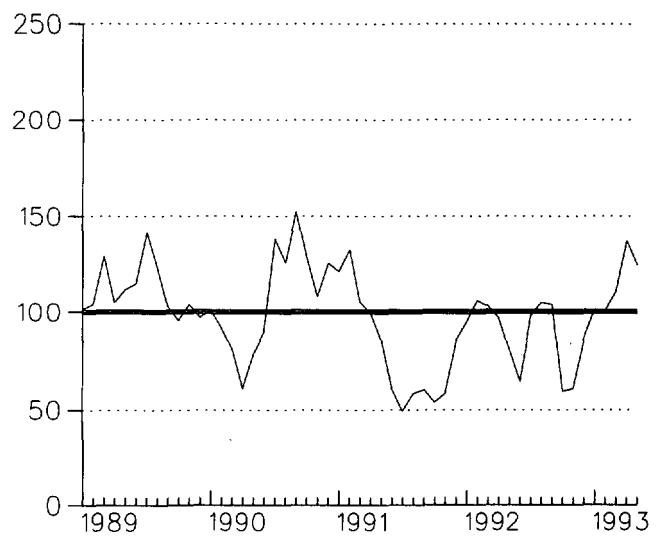
CLUSTER 1



CLUSTER 2



CLUSTER 3

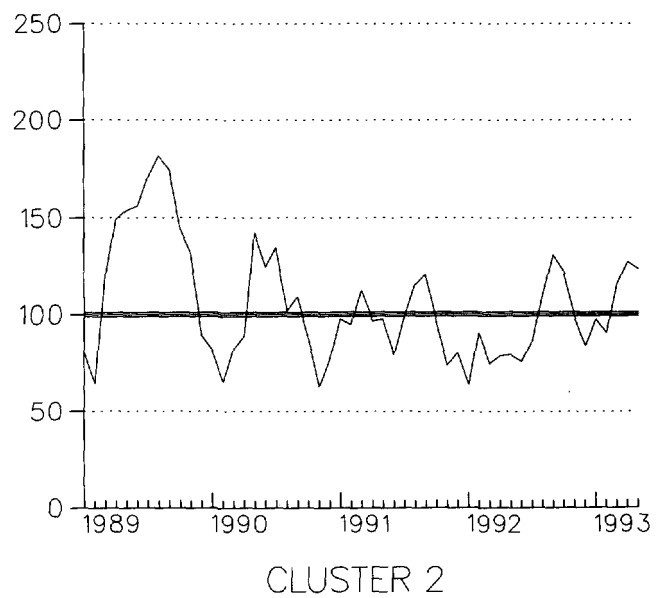
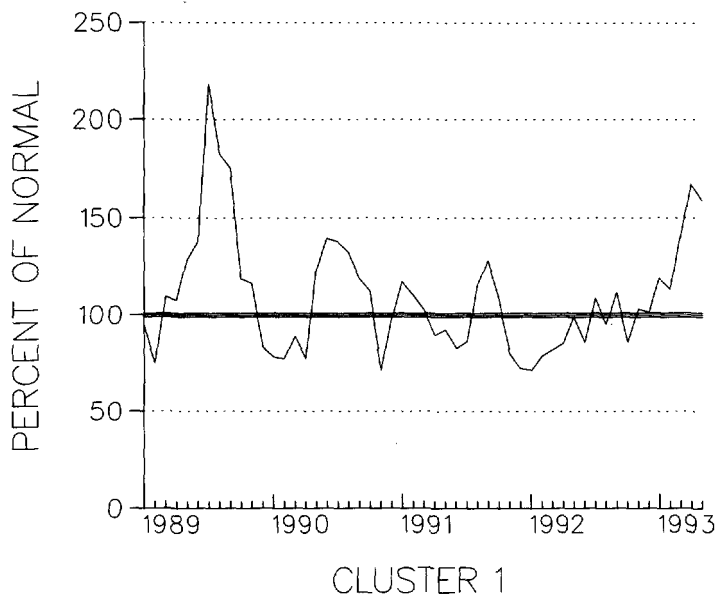


CLUSTER 4

PRECIPITATION DEPARTURES FROM NORMAL (1961-1990)
THREE MONTH RUNNING MEAN
FOR THE 53 MONTHS ENDING WITH MAY 1993 DATA
DELAWARE

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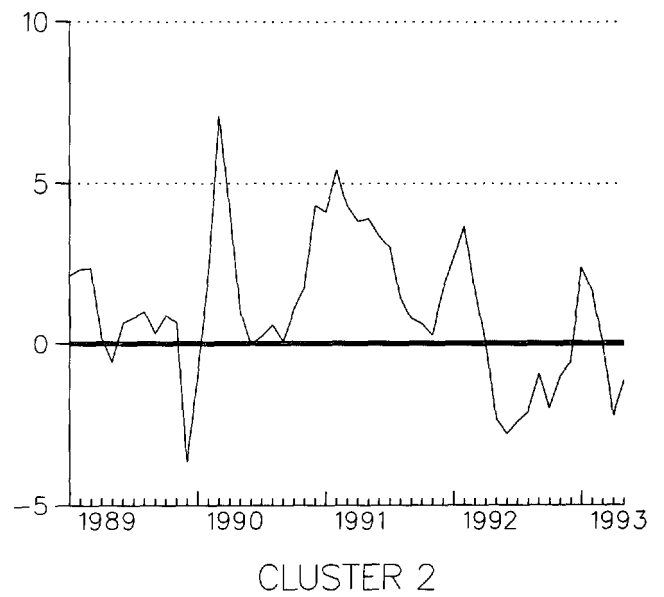
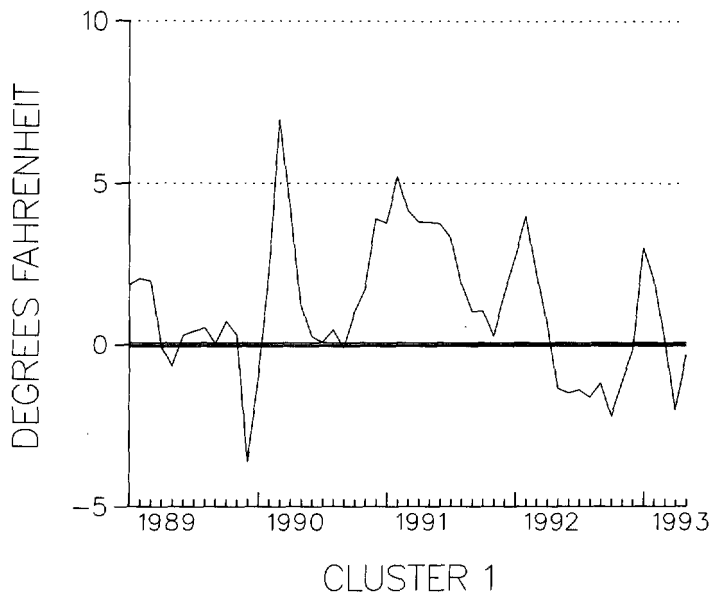
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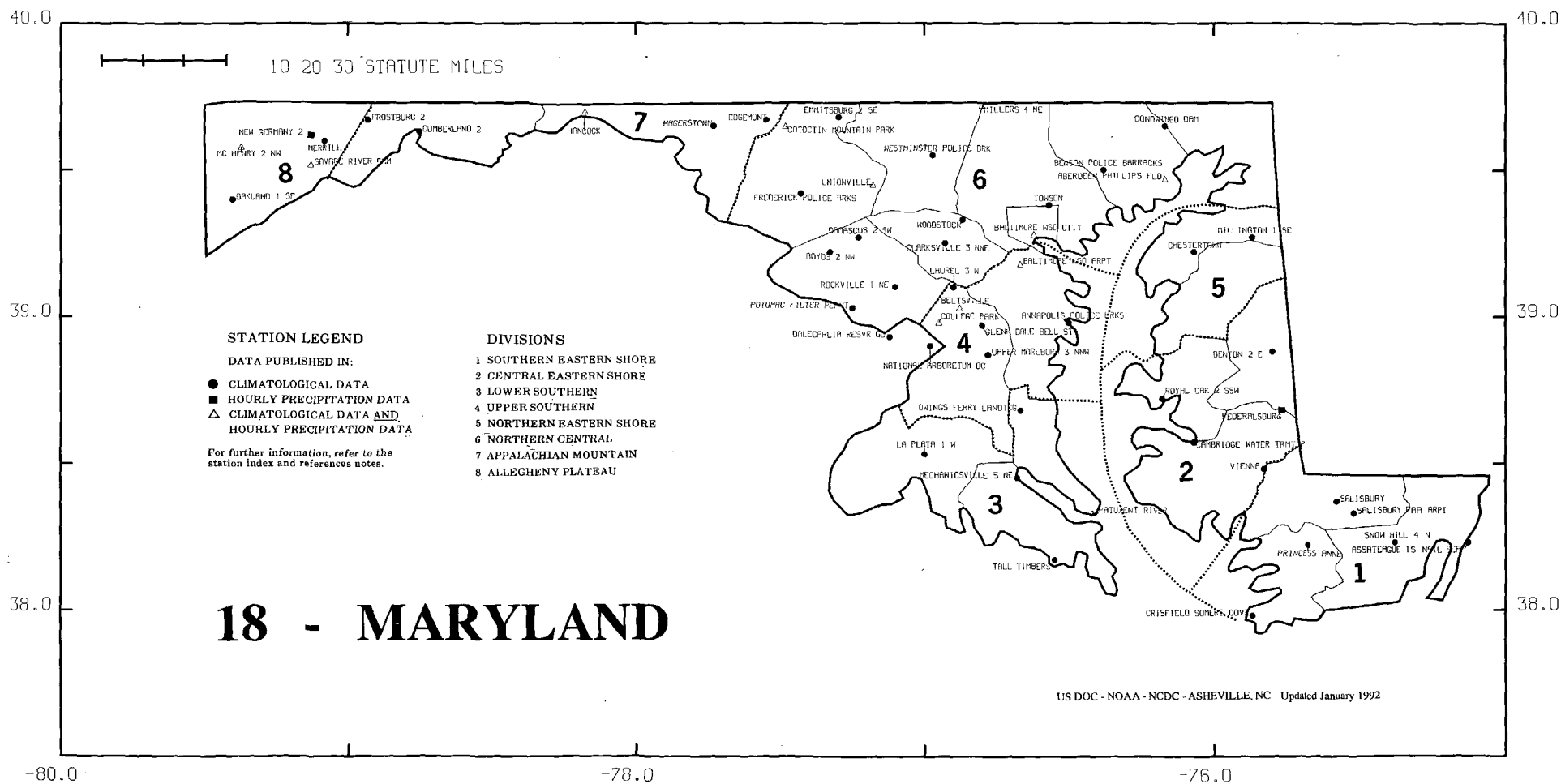


TEMPERATURE DEPARTURES FROM NORMAL (1961-1990)
THREE MONTH RUNNING MEAN
FOR THE 53 MONTHS ENDING WITH MAY 1993 DATA
DELAWARE

CLUSTER 1 -DIVISION(S):
NORTHERN 01

CLUSTER 2 -DIVISION(S):
SOUTHERN 02





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40.0

10 20 30 STATUTE MILES

07 - DELAWARE**1****STATION LEGEND****DATA PUBLISHED IN:**

- CLIMATOLOGICAL DATA
- HOURLY PRECIPITATION DATA
- △ CLIMATOLOGICAL DATA AND HOURLY PRECIPITATION DATA

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

DIVISIONS

- 1** NORTHERN
- 2** SOUTHERN

DOVER

2

MILFORD 4 SE

GREENWOOD 2 NE

LORES

GEORGETOWN 5 SW
△

US DOC - NOAA - NCDC - ASHEVILLE, NC
Updated January 1992

39.0

39.0

38.0
-76.0

-75.5

-75.0

38.0

MONTHLY PRECIPITATION TOTALS													ANNUAL 1967 NORTH CAROLINA
STATION	ANNUAL	MONTH											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
NORTH CAROLINA													
ASHEVILLE WSD 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	1.91	0.53	2.84					2.77	4.15	2.94
ASHFORD	36.74E	1.20	2.70	2.90	0.54E						3.80	4.90	4.80
BADIN	-	-	1.30	2.60	1.20						2.40	4.10	2.90
B EVERETT JORDAN DAN	-	1.70	1.50	3.60							1.70		
BOOMER 5 HSW	-	1.00	2.10	3.30									
BURLINGTON 3 NNE	-	0.80	1.92E										
CAPE HATTERAS WSD	49.86	5.75	1.30E										
CARTHAGE 8 SE	-	1.70											
CATALDOCHEE	-	0.50											
CHARLOTTE WSD AP	26.91												
CLINTON 2 NE	35												
DALTON	-												
DOBSON	-												
EDEN	-												
ELIZABETH	-												
ELIZABETH	-												
FAVE	-												
FRANKLIN	-												
GREENSBORO	-												
GREENVILLE	-												
HELTON	-												
HOBOKEN	-												
LAKE LURE	-												
LAURINBURG	-												
LEXINGTON	-												
MOORESVILLE 2	-												
MOREHEAD CITY	-												
MOUNT PLEASANT	-												
N WILKESBORO 12	-												
POLKTON 2 NE	-												
QUEBEC	-												
RALEIGH-DURHAM WSD	-												
ROANOKE RAPIDS	-												
ROARING GAP 1 NW	-												
SHELBY 2	-												
SNEADS FERRY 2 ENE	-												
SWANANOA 2 SSE	-												
WILKINSON WSD AP	-												
WILSON 3 SW	-												
YADKINVILLE 6 E	28												

ISSN 0364-6319

HOURLY
PRECIPITATION DATA
NORTH CAROLINA
DECEMBER 1987
WITH ANNUAL SUPPLEMENT
VOLUME 37 NUMBER 12

81.0 90.0 79.0 75.0 71.0 76.0 75.0

NORTH CAROLINA



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HOURLY PRECIPITATION DATA NORTH CAROLINA

DECEMBER 1987
WITH ANNUAL SUPPLEMENT
VOLUME 37 NUMBER 12

31 - NORTH CAROLINA

STATION INDEX

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ISSN 0364-6319

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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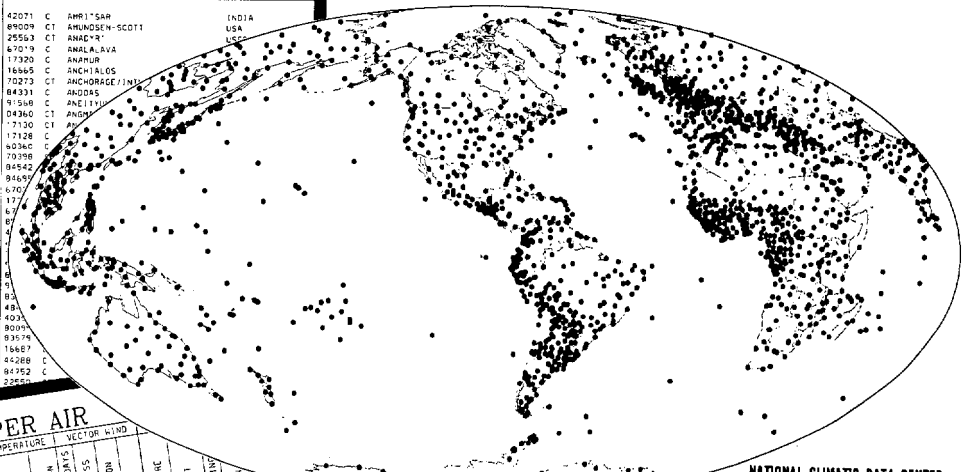
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ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

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CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

STATION LIST WMO PUB 9 VOL A

46245 C	ISQAHRI MAJIS	QMAN	42071 C	AMPI'SAR	INDIA
46831 C	ABDAN	IRAN, ISLAMIC REP	89009 CT	ANDREWS-SCOTT	INDIA
474071 C	ABSHASH	JAPAN	25503 CT	ANADUR	USA
71108 C	ABDOLSFORD, B. C.	CANADA	17079 C	ANALAKA	INDIA
47058 C	ABEICHE	C-440	17370 C	ANAPUR	INDIA
07069 C	ABERDEEN/VOICE	Q KINGDOM	16645 C	ANCHALOS	INDIA
41112 C	ABBA	SAUDI ARABIA	17073 CT	ANCHORITE/INTL	INDIA
65578 C	AB13JAN	COTE D'IVOIRE	84331 C	ANDHUS	INDIA
72268 C	ABILENE, TX	USA	91500 C	ANEHIND	INDIA
47176 C	ABU DHABI, BATEEN AIRPORT	U ARAB EMIRATES	04340 CT	ANET	INDIA
41217 CT	ABU DHABI, INTL AIRPORT	U ARAB EMIRATES	71500 CT	ANET	INDIA
62640 C	ABU NAMED	SUDAN	17128 C	ANET	INDIA
62795 C	ABU NUB ANNA	SUDAN	60346 C	ANET	INDIA
78650 C	ACKAJUTLA	EL SALVADOR	04542 C	ANET	INDIA
76605 C	ACAPULCO, GPO.	MEXICO	94658 C	ANET	INDIA
80427 C	ACARIGUA	VENEZUELA	15700 C	ANET	INDIA
17352 CT	ADENA	YEMEN	117 C	ANET	INDIA
63450 CT	ADDIS ABABA	ETHIOPIA	171 C	ANET	INDIA
94472 C	ADOLPHUS AIRPORT	AUSTRALIA	171 C	ANET	INDIA
47467 C	ADRA, HADRAMAWT	YEMEN	171 C	ANET	INDIA
55595 C	ADIRAK	COTE D'IVOIRE	171 C	ANET	INDIA
60500 C	ADJAX	ALGERIA	171 C	ANET	INDIA
76474 C	ADJERD INTL MEXICO, D. F.	MEXICO	171 C	ANET	INDIA
76464 CT	ADJERD INTL MEXICO, YUC.	MEXICO	171 C	ANET	INDIA
76494 CT	ADJERD INTL, MONTERREY, N. L.	MEXICO	171 C	ANET	INDIA
87562 C	ADJERD/QUE	ALGERIA	171 C	ANET	INDIA
17190 C	AFYON	TURKEY	171 C	ANET	INDIA
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60250 C	AGADIR	MOROCCO	171 C	ANET	INDIA
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42261 C	AGRO	ALGERIA	171 C	ANET	INDIA
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17384 C	AKH-SAR	INDIA	171 C	ANET	INDIA
67960 C	AKH-SAR	INDIA	171 C	ANET	INDIA
61537 C	AKH-SAR	INDIA	171 C	ANET	INDIA



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EUROPE-NORWAY																			
STATION										SURFACE									
EUROPE										JANUARY 1966									
NORWAY										PRECIPITATION									
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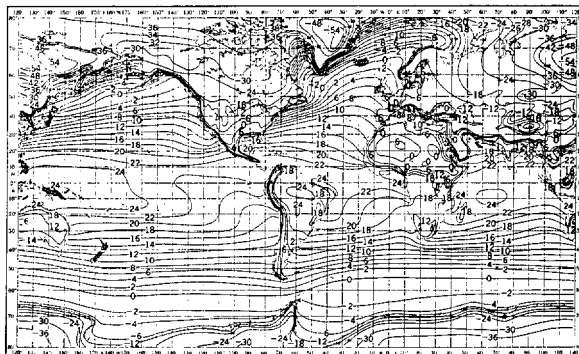
JANUARY 1988
VOL. 41 NO. 1

ISSN 0027-0296

MONTHLY CLIMATIC
DATA FOR THE WORLD

PREPARED IN COOPERATION WITH THE
WORLD METEOROLOGICAL ORGANIZATION

JANUARY DEW-POINT TEMPERATURE (°C) - MEANS



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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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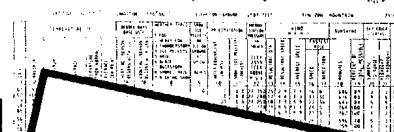
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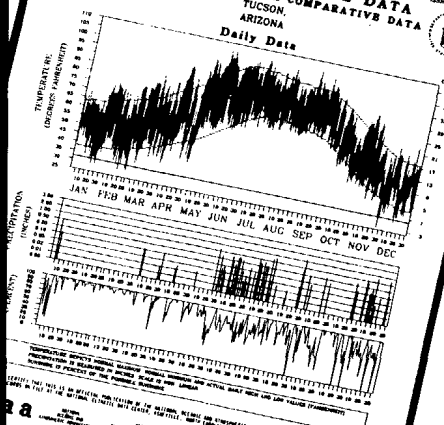


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