

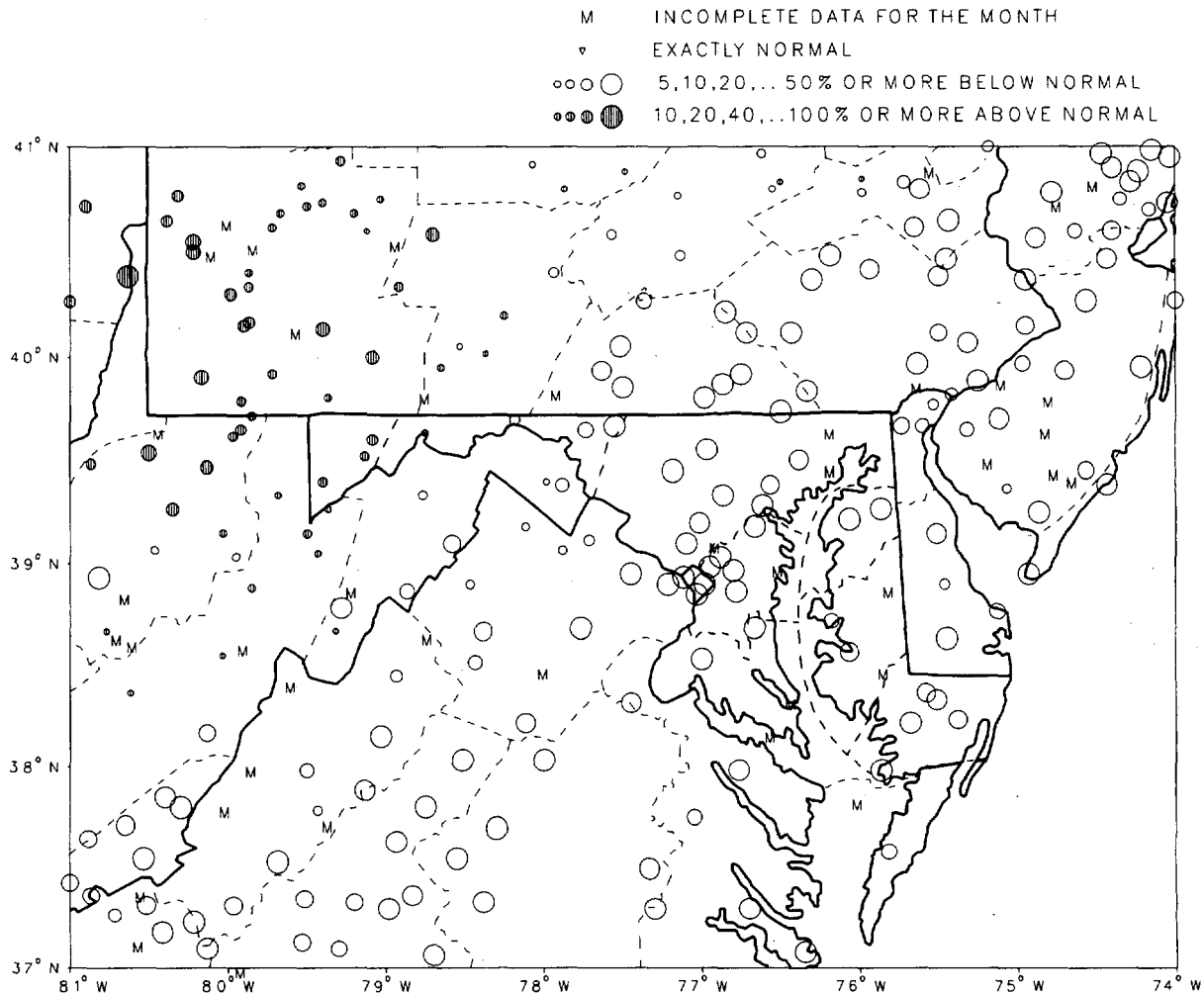


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CLIMATOLOGICAL DATA MARYLAND AND DELAWARE

SEPTEMBER 1990
VOLUME 94 NUMBER 9

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

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ATMOSPHERIC ADMINISTRATION

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ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE NORTH CAROLINA

TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND AND
DELAWARE
SEPTEMBER 1990

MARYLAND
HIGHEST TEMPERATURE 95
LOWEST TEMPERATURE 30
GREATEST TOTAL PRECIPITATION 5.16
LEAST TOTAL PRECIPITATION .89
GREATEST 1 DAY PRECIPITATION 2.50

SEPTEMBER 7
SEPTEMBER 18

SEPTEMBER 14

SNOW HILL 4 N
OAKLAND 1 SE
MC HENRY 2 NW
BELTSVILLE
ASSATEAGUE IS NATL SEA

DELAWARE
HIGHEST TEMPERATURE 93
LOWEST TEMPERATURE 38
GREATEST TOTAL PRECIPITATION 3.19
LEAST TOTAL PRECIPITATION 1.43
GREATEST 1 DAY PRECIPITATION 2.09

SEPTEMBER 7
SEPTEMBER 18

SEPTEMBER 14

2 STATIONS
2 STATIONS
WILMINGTON PORTER RSVR
GEORGETOWN 5 SW
MILFORD 4 SE

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
SEPTEMBER 1990

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		
SEPTEMBER 1990																										
MARYLAND																										
SOUTHERN EASTERN SHORE 01																										
ASSATEAGUE IS NATL SEA	76.4	59.0	67.7		91.1	10	45.2	25+	49	139	3	0	0	0	4.01		2.50	14	.0	.0		5	3	1		
CRISFIELD SOMERS COVE	77.1	63.1	70.1	-1.8	87.7	8+	48.1	19+	21	181	0	0	0	0	1.17	-2.10	.52	22	.0	.0		3	1	0		
PRINCESS ANNE	79.9	54.3	67.1	-1.5	90.7	7	34.1	8	61	132	1	0	0	0	1.35	-2.62	.59	22	.0	.0		3	2	0		
SALISBURY	79.3	57.3	68.3	-1.1	92.7	7	41.1	8	43	149	2	0	0	0	2.13	-1.46	1.17	8	.0	.0		3	1	1		
SALISBURY FAA ARPT	77.2	55.4	66.3	-2.3	91.7	7	40.1	8	61	106	1	0	0	0	2.15	-1.79	1.00	7	.0	.0		4	2	1		
SNOW HILL 4 N	80.2	56.2	68.2	-1.8	95.7	7	39.1	8	50	152	2	0	0	0	2.07	-1.46	.77	14	.0	.0		5	2	0		
--DIVISIONAL DATA----->																										
CENTRAL EASTERN SHORE 02																										
CAMBRIDGE WATER TRMT P	78.7	60.0	69.4	-1.1	94.7	7	43.2	5	34	171	2	0	0	0	2.20	-1.52	.73	8	.0	.0		5	1	0		
ROYAL OAK 2 SSW	78.0	58.9	68.5	-1.8	94.7	7	40.1	8	41	153	1	0	0	0	2.60	-1.12	1.30	17	.0	.0		3	2	1		
VIENNA																										
--DIVISIONAL DATA----->																										
LOWER SOUTHERN 03																										
LA PLATA 1 W	75.5	56.5	66.0	-2.8	89.7	7	40.1	8	70	108	0	0	0	0	1.29	-2.15	.65	13	.0	.0		3	1	0		
MECHANICSVILLE 5 NE	74.5	56.8	65.7		89.7	7	39.1	8	76	104	0	0	0	0	1.53		.66	13	.0	.0		3	1	0		
OWINGS FERRY LANDING	77.0	56.3	66.7	-2.1	91.7	7	40.1	8	63	121	1	0	0	0	1.22	-2.30	.60	17	.0	.0		3	1	0		
PATUXENT RIVER																										
TALL TIMBERS																										
--DIVISIONAL DATA----->																										
UPPER SOUTHERN 04																										
ANNAPOLIS POLICE BRKS																										
BALTIMORE WSO ARPT	R 77.5	57.1	67.3	-1.6	89.7	7	41.1	8	63	137	0	0	0	0	1.07	-2.39	.59	16	.0	.0		2	1	0		
BELTSVILLE	77.6	54.9	66.3	-1.9	91.8	8	39.1	8	73	117	2	0	0	0	.89	-2.82	.37	17	.0	.0		3	0	0		
COLLEGE PARK	79.1	58.3	68.7	-1.5	92.8	8	41.1	8	47	164	2	0	0	0	.98	-2.58	.46	17	.0	.0		2	0	0		
DALECARLIA RESVR DC	79.6	52.5	66.1	-3.1	91.7	7	35.1	8	67	106	1	0	0	0	1.40	-2.02	.90	17	.0	.0		3	1	0		
GLENN DALE BELL STN	80.0	55.0	67.5	-1.5	92.7	7	34.1	8	58	140	2	0	0	0	1.09	-2.57	.54	17	.0	.0		3	1	0		
LAUREL 3 W																										
NATIONAL ARBORETUM DC	79.3	56.9	68.1	-2.0	92.8	8	40.1	8	53	154	3	0	0	0	1.66	-1.92	1.25	17	.0	.0		4	1	1		
UPPER MARLBORO 3 NNW	77.7	50.2	64.0		92.8	8	34.1	8	101	76	2	0	0	0	1.31	-2.42	.87	17	.0	.0		4	1	0		
--DIVISIONAL DATA----->																										
NORTHERN EASTERN SHORE 05																										
CHESTERTOWN	77.8	56.7	67.3	-2.0	90.7	7	42.1	8	53	129	1	0	0	0	1.41	-2.17	.83	22	.0	.0		3	1	0		
MILLINGTON 1 SE	77.3	55.5	66.4	-1.6	90.7	7	38.1	8	71	123	1	0	0	0	1.60	-2.19	.73	22	.0	.0		3	2	0		
--DIVISIONAL DATA----->																										
NORTHERN CENTRAL 06																										
ABERDEEN PHILLIPS FLD																										
BALTIMORE WSO CITY	R 79.0	63.0	71.0	-.7	94.7	7+	47.1	8	29	217	3	0	0	0	1.33	-2.33	.70	16	.0	.0		2	0	0		
BENSON POLICE BARRACKS	79.7	56.0	67.9	.4	91.2	8	39.1	8	42	134	2	0	0	0	2.38	-1.80	.91	22	.0	.0		5	2	0		
BOYDS 2 NW	74.0	56.9	65.5		86.2	8	42.1	8	77	99	0	0	0	0	1.34		.42	22	.0	.0		5	0	0		
CATOCTIN MOUNTAIN PARK	70.4	55.3	62.9		80.2	8	39.1	8	111	54	0	0	0	0	1.60		.56	22	.0	.0		4	1	0		
CLARKSVILLE 3 NNE	78.9	53.1	66.0		90.2	8	34.1	8	82	122	1	0	0	0	1.28		.66	22	.0	.0		2	1	0		
CONOWINGO DAM	82.2	52.1	67.2	.0	92.1	8	38.1	8	59	131	5	0	0	0	2.03		1.30	23	.0	.0		4	1	1		
DAMASCUS 2 SW	75.1	56.0	65.6		87.6	8+	37.1	8	87	112	0	0	0	0	.85		.51	16	.0	.0		5	2	0		
EMMITSBURG 2 SE	75.0	53.6	64.3		86.2	8	35.1	8	99	88	0	0	0	0	1.67		.72	22	.0	.0		5	2	0		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
SEPTEMBER 1990

STATION	TEMPERATURE (°F)											PRECIPITATION (IN)												
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	SNOW SLEET			NO. OF DAYS		
											90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW					TOTAL	MAX. DEPTH ON GROUND	DATE	1.0 OR MORE	.50 OR MORE	1.00 OR MORE
FREDERICK POLICE BRKS	79.5	57.8	68.7		90	3+	43	18	42	158	2	0	0	0	1.93		1.51	22	.0	0		6	1	0
MILLERS 4 NE	73.4	54.6	64.0		85	2	37	18	105	81	0	0	0	0	2.26		1.07	22	.0	0		6	1	1
ROCKVILLE 1 NE	74.9	57.5	66.2	-1.5	86	7	42	18	73	114	0	0	0	0	1.29	-1.17	.65	22	.0	0		4	4	1
TOWSON	76.4	57.3	66.9		88	2	40	18	68	134	0	0	0	0	2.47	-1.68	1.12	22	.0	0		4	2	0
UNIONVILLE	76.1	52.5	64.3	-1.0	88	2	32	18	101	88	0	0	1	0	1.75	-1.76	.58	22	.0	0		6	1	0
WESTMINSTER POLICE BRK	77.4	53.0	65.2	-1.1	88	3	31	24	89	105	0	0	1	0	1.80	-2.03	.60	22	.0	0		6	1	0
WOODSTOCK	77.7	55.1	66.4	-1.4	90	2	36	18	77	126	1	0	0	0	1.35	-2.65	.58	22	.0	0		4	1	0
--DIVISIONAL DATA----->			66.1	-1.3											1.76	-2.07			.0					
APPALACHIAN MOUNTAIN 07																								
CUMBERLAND 2	76.1	53.8	65.0	-1.6	90	6	38	17	90	95	1	0	0	0	3.43	.51	.73	22	.0	0		11	3	0
FROSTBURG 2	69.0	51.1	60.1		82	7	35	18	168	28	0	0	0	0	4.47		.92	13	.0	0		12	4	0
HAGERSTOWN	74.9	52.9	63.9	-2.9	89	7	38	18	119	87	0	0	0	0	2.25	-1.05	.88	17	.0	0		5	2	0
HANCOCK	75.3	52.7	64.0	-.9	88	7	35	18	101	80	0	0	0	0	2.72	-.50	.58	22	.0	0		7	3	0
--DIVISIONAL DATA----->			63.3	-2.4											3.22	.03			.0					
ALLEGHENY PLATEAU 08																								
MC HENRY 2 NW	69.4	50.3	59.9		81	7+	36	19+	175	29	0	0	0	0	5.16		1.14	13	.0	0		11	4	1
OAKLAND 1 SE	71.4	50.3	60.9	.4	81	7+	30	18	151	35	0	0	1	0	4.83	1.72	.92	7	.0	0		12	4	0
SAVAGE RIVER DAM	72.8	51.2	62.0	.0	85	7	35	26	126	44	0	0	0	0	4.37	1.38	2.02	13	.0	0		9	2	1
--DIVISIONAL DATA----->			60.9	.3											4.79	1.63			.0					
DELAWARE																								
NORTHERN 01																								
NEWARK UNIVERSITY FARM	78.0	55.2	66.6	-1.3	88	7+	38	18	75	130	0	0	0	0	2.37	-1.24	1.22	22	.0	0		4	2	1
WILMINGTON WSO ARPT	76.3	57.0	66.7	-1.2	88	7+	40	18	69	127	0	0	0	0	2.64	-.95	1.55	22	.0	0		5	1	1
WILMINGTON PORTER RSVR	75.1	57.4	66.3	-.6	87	7	42	18	78	123	0	0	0	0	3.19	-.62	2.04	22	.0	0		6	1	1
--DIVISIONAL DATA----->			66.5	-1.3											2.73	-.86			.0					
SOUTHERN 02																								
DOVER	79.0	58.6	68.8	-.8	93	7	41	18	51	174	4	0	0	0	2.30	-1.84	.82	14	.0	0		4	3	0
GEORGETOWN 5 SW	77.3	53.5	65.4	-3.0	87	8+	39	25+	81	102	0	0	0	0	1.43	-2.08	.56	17	.0	0		3	1	0
GREENWOOD 2 NE	76.0	55.5	65.8		89	7	38	18	74	103	0	0	0	0	1.97		1.00	14	.0	0		3	2	1
LEWES	77.2	60.6	68.9	.5	93	7	46	25+	36	162	1	0	0	0	2.16	-1.10	1.28	14	.0	0		3	1	1
MILFORD 4 SE	77.0	57.4	67.2	-1.6	91	7	42	18	54	125	1	0	0	0	3.18	-.57	2.09	14	.0	0		4	2	1
--DIVISIONAL DATA----->			67.2	-1.5											2.21	-1.46			.0					

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
SEPTEMBER 1990

STATION	TOTAL	DAY OF MONTH																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MARYLAND																																	
SOUTHERN EASTERN SHORE 01																																	
ASSATEAGUE IS NATL SEA	4.01	.12					.02		.15	T					2.50		.50			.05			.67					T		T			
CRISFIELD SOMERS COVE	1.17						.08		.28		.03				.26								.52										
PRINCESS ANNE	1.35								.54									.20				.59		.02									
SALISBURY	2.13							.05	1.17					.01	.09			.25		.01	.08		.45	T	T		T	T				.02	
SALISBURY FAA ARPT	2.15					T		1.00			T			.06	.40		.11			.08		.50		T	T								
SNOW HILL 4 N	2.07			T			T			.22		T			.01	.77			.13		T	.03		.57					T				.34
CENTRAL EASTERN SHORE 02																																	
CAMBRIDGE WATER TRMT P	2.20						.03		.73					.03	.29	T		.44		.03	.07		.40	.11					.07			T	
ROYAL OAK 2 SSW	2.60							T						.04	.59			1.30		.08	.04		.49										
VIENNA	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER SOUTHERN 03																																	
LA PLATA 1 W	1.29							.01						.65	.01			.11		.06			.41					.04					
MECHANICSVILLE 5 NE	1.53						T	.02						.66	.02			.37		.02	T		.44					T					
OWINGS FERRY LANDING	1.22													.14	.05			.60		.08	T		.26					.09					
PATUXENT RIVER	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TALL TIMBERS	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UPPER SOUTHERN 04																																	
ANNAPOLIS POLICE BRKS	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALTIMORE WSO ARPT R	1.07				T	T					T			.04	T	T	.59			.01		T	.40					T					.03
BELTSVILLE	.89													.03	.07	.02		.37		.01	.07		.19	.13									
COLLEGE PARK	.98													.06	.09			.46		.02	.05		.22	.22									
DALECARLIA RESVR DC	1.40													.15			.01	.90	.01	.05		.01	.22					.05	.01				.07
GLENN DALE BELL STN	1.09						.06							.13			.54		.06	.01		.20						T					.09
LAUREL 3 W	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NATIONAL ARBORETUM DC	1.66														.13	.01		1.25	.01	.01	.02		.12	.10									
UPPER MARLBORO 3 NNW	1.31													.02	.14	.03		.87		.01	.02		.10	.12					.01				
NORTHERN EASTERN SHORE 05																																	
CHESTERTOWN	1.41			T								T			T		.48			.10		.83						T					
MILLINGTON 1 SE	1.60													T	.26		.50			.09		.73	.02								T		T
NORTHERN CENTRAL 06																																	
ABERDEEN PHILLIPS FLD R	M 2.37	*	*	*	.09		.15	T						.03	T	*	*	.62		.18	.06	*	.45	*	1.24		T						.16
BALTIMORE WSO CITY	1.33													.02			.70						.91										
BENSON POLICE BARRACKS	2.38			.41			.09	.03							.02	.01	.50		.13	.28		.42											.10
BOYDS 2 NW	1.34													.40		.10	.05		.05			.60					.22						.10
BRIGHTON DAM	2.00														.20	.60			.50			.60											.10
CATOCTIN MOUNTAIN PARK	1.60							.02		.03				.22		.03	.38		.29			.56											.07
CLARKSVILLE 3 NNE	1.28							T						.05		.08		.45		.04		.66						T					
CONOWINGO DAM	M 2.03														.11		.30				.32			1.30									
DAMASCUS 2 SW	2.25							T		T	T			.16		.08	.85		.07			.58						.19					.31
EMMITSBURG 2 SE	1.67												.05	.10		.50		.01		.10	.10		.72				.05					.05	
FREDERICK POLICE BRKS	1.93													.26		.28	.48		.15	.05		.51					.05						.15
MILLERS 4 NE	2.26													.03	.06	.21	.27		.19	T		1.07					.13					.05	
POTOMAC FILTER PLANT	2.05			.23				.01		.01				.16			1.20		.07			.39					.22						.01
ROCKVILLE 1 NE	1.29													.14	T	T	.27		.05			.65					.11						.07
TOWSON	2.47													.03		.01	1.05		.10			1.12								.01			.15
UNIONVILLE	1.75													.18		.21	.34		.20	.03		.58					.02						.19
WESTMINSTER POLICE BRK	1.80													.15	T		.05	.30		.10	.27		.60				.07						.26
WOODSTOCK	1.35													.08	.02	.07	.29	.03		.11		.58					T						.17

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
SEPTEMBER 1990

STATION	TOTAL	DAY OF MONTH																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
APPALACHIAN MOUNTAIN 07																																
CUMBERLAND 2	3.43							.39	.36	.50	.10			.55		.10		.12		.10	.25		.73	T								
EDGEMONT.	1.74							.03	.04	.02	.05			.22	T	.06		.29		.33	.33		.56	.08			T		.23			
FROSTBURG 2	4.47			.02				.25	.25	.16	.53			.92	.13	.13		.33		.03	.55		.70	.17	.03				.27			
HAGERSTOWN	2.25							.02	.02	.09	.01			.25	.01	.14		.88			.31		.50	.02		.03						
HANCOCK	2.72						.05	.05		.56	.05			.50		.27		.13		.03	.23		.58	.01					.26			
ALLEGHENY PLATEAU 08																																
MC HENRY 2 NW	5.16			.05			.06	.18	.20	.36	.53	T	1.14	.07	.07	T	.36		.20	.53		.95	.36	T					.10			
MERRILL	4.90			.02				.15	.05	.85			1.31	.03	.07		.34		.34	.27		1.00		.07					.40			
OAKLAND 1 SE	4.83			.19				.92		.63	.19		.56		.26	.46				.52	.13		.41	.30	.03							.16
SAVAGE RIVER DAM	4.37					.04		.06		.41	.14		2.02	.01	.11	T	.30		.21	.41		.51	.13	T				.03		.06		
DELAWARE																																
NORTHERN 01																																
NEWARK UNIVERSITY FARM	2.37														.56	.06		.26		.26			1.22					.01				
WILMINGTON WSO ARPT	2.64					T		.02						T	.23	.10	.46		.28			1.55					T				T	
WILMINGTON PORTER RSVR	3.19													T	.27	.13	.17		.24	.34		2.04				T						
SOUTHERN 02																																
DOVER	2.30																	.51		.03	.04		.75					.05				
GEORGETOWN 5 SW	1.43									.04								.56			.07			.36								
GREENWOOD 2 NE	1.97						.02							.02	1.00		.62		.04			.26										.01
LEWES	2.16						T											.43		.02		.37	T					.03				.03
MILFORD 4 SE	3.18							.10						T	1.28			.75			.04		.20									T

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
SEPTEMBER 1990

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	08	MAX	84	84	85	83	82	76	79	90	69	91	90	78	84	75	79	72	71	65	66		71	73	69	63	70	72	76	69	72		76.4
		MIN	67	65	62	69	55	55	70	70	64	66	60	61	69	66	59	55	45	50	61		54	55	47	49	45	54	55	57	68		59.0
CRISFIELD SOMERS COVE	17	MAX	85	82	85	81	81	81	87	87	77	81	84	83	78	77	79	78	75	65	69	74	74	74	70	70	70	72	72	73	76	74	77.1
		MIN	65	72	73	67	58	73	76	70	60	71	66	64	71	70	73	62	58	48	48	67	56	56	60	56	51	63	58	55	60	65	63.1
PRINCESS ANNE	17	MAX	85	85	85	83	82	88	90	87	79	85	86	88	88	85	82	79	78	67	70	76	73	71	71	70	73	76	75	80	80	79	79.9
		MIN	52	58	68	57	47	65	69	65	54	63	58	54	65	66	67	56	51	34	44	61	43	54	48	42	37	52	48	45	50	55	54.3
		OBS				45		48	50																								
SALISBURY	17	MAX	84	86	85	85	82	88	92	90	78	85	88	85	81	79	81	78	76	67	68	76	74	71	70	67	73	74	78	79	80	79	79.3
		MIN	58	63	68	59	55	68	72	68	57	66	61	60	68	68	61	56	52	41	47	60	49	58	52	46	43	54	52	49	49	58	57.3
SALISBURY FAA ARPT	MID	MAX	82	86	80	76	84	87	91	71	77	83	87	83	76	79	80	76	68	66	68	75	72	71	69	65	72	76	77	80	80	78	77.2
		MIN	57	63	62	58	52	67	70	57	55	65	60	59	67	69	62	55	43	40	47	54	48	60	46	41	41	55	53	50	50	56	55.4
SNOW HILL 4 N	18	MAX	85	88	87	80	84	89	95	92	79	88	87	86	80	80	84	79	74	69	68	77	75	71	71	69	75	78	76	79	81	79	80.2
		MIN	55	59	68	59	50	68	72	68	53	67	58	58	66	69	69	53	59	39	44	63	47	54	51	43	41	50	51	47	50	54	56.2
CENTRAL EASTERN SHORE 02																																	
CAMBRIDGE WATER TRMT P	16	MAX	85	90	89	83	83	87	94	75	76	83	86	85	84	79	81	80	71	68	70	75	74	70	70	68	72	75	74	76	79	79	78.7
		MIN	60	66	70	64	57	69	73	68	60	67	63	63	69	67	69	62	55	45	48	62	56	59	52	50	43	55	57	51	58	61	60.0
ROYAL OAK 2 SSW	18	MAX	85	89	84	81	83	88	94	79	75	84	87	87	78	75	82	76	70	68	70	75	72	71	71	67	71	73	75	76	78	77	78.0
		MIN	58	67	69	60	57	69	71	66	59	69	57	62	67	66	70	56	54	40	49	58	46	60	52	51	45	58	55	53	58	64	58.9
VIENNA	18	MAX																															M
		MIN																															M
LOWER SOUTHERN 03																																	
LA PLATA 1 W	18	MAX	81	85	81	76	78	84	89	76	73	81	84	83	78	76	77	75	64	64	66	73	71	71	71	64	72	70	72	75	78	77	75.5
		MIN	59	63	68	59	58	64	72	65	62	66	59	64	60	61	61	48	48	40	49	55	52	52	51	42	44	51	52	52	58	61	56.5
MECHANICSVILLE 5 NE	19	MAX	81	85	81	76	80	84	89	73	73	81	83	81	71	74	77	73	64	63	66	73	68	71	68	63	69	70	73	74	76	76	74.5
		MIN	57	63	71	59	55	67	71	66	61	68	58	61	66	66	65	54	49	39	48	57	49	58	50	43	40	49	51	49	56	59	56.8
OWINGS FERRY LANDING	17	MAX	82	87	85	79	80	86	91	81	74	83	84	82	79	75	78	77	74	66	64	76	73	71	68	66	72	72	75	76	78	77	77.0
		MIN	58	64	67	60	55	65	71	65	58	68	57	62	66	65	64	53	49	40	48	55	48	58	49	43	41	43	50	49	58	59	56.3
PATUXENT RIVER	MID	MAX																															M
		MIN																															M
TALL TIMBERS	17	MAX																															M
		MIN																															M
UPPER SOUTHERN 04																																	
ANNAPOLIS POLICE BRKS	17	MAX																															M
		MIN																															M
BALTIMORE WSO ARPT	MID	MAX	84	88	84	78	84	88	89	75	73	85	87	86	75	78	80	75	65	67	64	76	72	75	68	67	73	68	79	80	81	81	77.5
		MIN	60	66	68	60	58	67	70	62	61	63	61	67	66	65	62	52	45	41	51	59	50	55	48	43	42	50	51	52	58	59	57.1
BELTSVILLE	08	MAX	83	85	90	83	79	82	89	91	80	72	85	87	84	75	80	80	76	65	67	76	76	72	71	68	66	73	68	77	80	80	77.6
		MIN	57	63	67	59	55	55	67	64	59	62	58	63	66	63	66	49	47	39	48	53	48	54	50	44	40	46	48	48	52	57	54.9
COLLEGE PARK	09	MAX	87	88	91	84	81	84	89	92	77	72	86	89	87	75	81	81	77	65	68	68	76	74	76	69	69	75	71	79	81	81	79.1
		MIN	60	70	70	62	57	67	75	66	63	64	61	66	69	64	67	51	49	41	50	58	50	59	53	47	42	48	50	51	59	61	58.3
DALECARLIA RESVR DC	17	MAX	86	89	87	80	85	88	91	83	78	85	89	88	83	78	80	73	78	66	65	76	74	78	76	66	74	72	76	81	80	82	79.6
		MIN	54	59	61	52	51	61	64	59	57	62	54	59	56	59	56	58	43	35	43	62	45	54	43	48	37	46	45	46	52	54	52.5
		OBS																		45													
GLENN DALE BELL STN	16	MAX	81	90	89	82	83	88	92	86	78	84	88	87	84	78	76	70	84	68	67	77	76	84	74	70	74	73	78	80	80	80	80.0
		MIN	59	58	62	60	54	63	68	64	58	66	56	62	65	65	63	60	45	34	46	59	45	62	48	41	37	45	45	47	54	58	55.0
		OBS																															

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
SEPTEMBER 1990

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
LAUREL 3 W	MID	MAX MIN																															M	
NATIONAL ARBORETUM DC	08	MAX MIN	85 62	86 62	91 70	85 63	81 60	84 62	90 69	92 67	77 64	74 64	86 60	89 61	86 65	75 66	80 68	82 52	81 52	66 40	68 42	66 53	77 51	74 50	77 54	70 49	68 44	75 44	73 51	79 51	81 52	82 60	79.3 56.9	
UPPER MARLBORO 3 NNW	08	MAX MIN	82 52	85 55	90 61	83 55	78 50	82 57	89 62	92 60	76 56	73 58	84 53	87 55	84 60	74 61	78 59	80 46	76 47	65 34	67 38	65 48	76 42	71 47	75 45	70 44	68 35	73 40	71 43	78 44	78 47	81 51	77.7 50.2	
NORTHERN EASTERN SHORE	05																																	
CHESTERTOWN	23	MAX MIN	85 59	89 65	84 64	81 57	82 58	88 67	90 68	78 58	73 54	83 63	88 59	86 63	76 66	78 65	80 61	77 57	65 47	67 42	66 49	74 60	74 48	69 58	72 51	67 44	73 44	70 54	77 52	81 51	80 57	82 61	77.8 56.7	
MILLINGTON 1 SE	18	MAX OBS MIN OBS	84 56	88 63	83 64	79 58	81 54	87 66	90 69	82 65	76 53	83 67	88 58	87 56	79 67	75 66	80 68	74 50	69 49	67 38	64 45	75 56	73 46	67 56	67 47	66 43	72 40	70 53	77 51	79 48	79 55	79 59	77.3 55.5	
NORTHERN CENTRAL	06																																	
ABERDEEN PHILLIPS FLD	16	MAX MIN				76 60	79 59	85 66	88 73			81 69	85 58	87 67	82 69	77 67			62 49	66 40	65 48	71 59	70 47			65 43	70 41	68 49	75 52	77 52			M	
BALTIMORE WSO CITY	MID	MAX MIN	88 70	94 71	84 71	80 67	87 65	93 73	94 76	77 64	74 62	87 72	89 68	86 75	78 72	78 70	83 68	73 59	65 47	69 47	66 58	76 63	72 58	74 61	69 53	70 49	73 52	70 56	80 57	79 60	81 63	81 62	79.0 63.0	
BENSON POLICE BARRACKS	17	MAX MIN OBS	86 56	91 60	90 61	85 55	85 55	89 62	88 68	84 58	78 51	86 63	89 57	85 63	78 63	78 60	82 62	77 50	71 50	69 39	66 48	76 60	75 57	72 54	73 52	68 52	73 56	72 51	81 53	80 54	80 63	78 60	79.7 56.0	
BOYDS 2 NW	18	MAX MIN	80 61	86 65	80 64	76 59	80 59	84 67	84 69	75 60	69 60	82 64	82 60	81 67	75 65	75 63	75 62	70 51	61 47	63 42	62 51	72 56	69 50	74 58	70 50	63 45	69 44	65 51	72 49	75 52	76 57	76 58	74.0 56.9	
CATOCTIN MOUNTAIN PARK	17	MAX MIN	77 61	80 65	79 60	75 60	78 56	79 56	79 66	74 56	70 55	75 59	76 61	71 65	74 64	72 60	71 60	66 50	58 43	58 39	67 49	65 61	65 52	68 55	66 49	63 43	64 50	65 52	66 56	71 56	73 60	72 58	70.4 55.3	
CLARKSVILLE 3 NNE	17	MAX MIN	86 54	90 61	88 61	81 56	84 53	88 62	87 67	84 61	74 59	83 68	88 55	87 62	85 66	79 60	78 63	77 46	72 45	66 34	66 46	75 55	72 44	77 56	76 46	66 38	72 42	72 46	76 45	78 45	81 52	80 54	78.9 53.1	
CONOWINGO DAM	MID	MAX OBS MIN OBS	89 57	88 62	88 61	84 54	85 57	90 62	90 67	83 52	79 51	87 58	90 63	90 57	92 62	88 62	85 60	84 55	81 48	74 42	73 38	74 42	80 50	79 44	74 49	73 45	72 39	76 49	77 41	79 47	81 48	80 52	82.2 52.1	
DAMASCUS 2 SW	19	MAX MIN	83 62	87 64	80 64	78 59	81 57	87 67	85 67	76 59	68 59	84 63	86 59	84 66	75 66	78 62	76 62	73 49	62 44	65 37	60 49	73 54	70 47	75 58	62 49	65 41	71 43	64 51	75 48	77 55	79 59	75 60	75.1 56.0	
EMMITSBURG 2 SE	17	MAX MIN	81 57	86 57	85 60	77 56	80 55	84 63	83 67	79 58	71 58	82 64	83 54	82 64	80 67	76 62	75 64	72 47	61 41	64 35	61 46	71 52	70 42	73 56	72 46	64 41	69 42	67 49	73 44	76 49	78 56	76 55	75.0 53.6	
FREDERICK POLICE BRKS	17	MAX MIN	85 60	90 65	90 65	81 61	83 60	87 67	89 70	85 62	82 62	85 68	87 60	87 68	84 68	77 63	79 63	77 52	71 49	66 43	67 50	76 56	74 50	75 58	76 52	71 45	76 47	71 52	76 48	78 50	80 60	79 59	79.5 57.8	
MILLERS 4 NE	18	MAX MIN	80 58	85 64	82 64	76 57	79 57	83 65	82 67	77 58	71 54	79 65	84 58	80 64	76 64	74 57	68 62	59 47	59 45	63 33	69 45	69 55	63 43	70 55	67 52	63 40	68 40	66 49	72 50	76 51	77 58	74 58	73.4 54.6	
ROCKVILLE 1 NE	MID	MAX MIN	82 60	85 67	79 65	75 60	81 57	84 67	86 72	76 63	72 61	83 64	84 62	83 66	73 65	77 64	76 59	73 51	63 47	64 42	64 50	71 61	69 51	75 61	64 48	64 45	70 43	68 53	74 50	76 51	77 61	78 58	74.9 57.5	
TOWSON	18	MAX OBS MIN	84 61	88 66	86 67	79 68	82 59	86 67	85 70	79 62	74 57	82 67	82 59	83 67	81 66	76 59	79 64	75 50	64 46	65 40	63 50	73 57	72 49	72 59	70 52	65 43	70 43	68 48	75 51	78 54	78 57	79 61	76.4 57.3	
UNIONVILLE	17	MAX MIN	83 54	88 62	86 57	78 53	82 53	86 62	83 65	78 58	73 60	84 63	85 54	84 64	76 64	78 57	77 60	71 45	64 41	66 32	62 45	73 52	72 45	75 58	68 45	66 37	72 48	66 46	76 47	78 45	78 55	74 54	76.1 52.5	
WESTMINSTER POLICE BRK	17	MAX MIN	84 62	86 63	88 62	78 50	82 56	87 63	86 67	83 52	76 53	81 63	86 59	85 63	83 62	83 58	76 65	76 48	69 44	63 38	65 44	73 52	72 47	74 50	64 31	71 42	71 42	74 42	78 49	79 55	77 56	77.4 53.0		
WOODSTOCK	18	MAX MIN	85 58	90 63	84 65	82 57	83 55	88 64	87 68	79 61	75 60	85 67	88 58	86 64	78 66	78 62	78 63	75 48	65 46	66 36	61 47	75 55	73 47	76 58	71 48	68 40	74 39	67 46	76 52	79 47	81 55	78 59	77.7 55.1	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
SEPTEMBER 1990

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
APPALACHIAN MOUNTAIN	07																																	
CUMBERLAND 2	18	MAX MIN	86 64	89 61	84 54	82 55	85 58	90 66	87 62	74 62	73 59	83 57	85 57	80 66	71 63	81 64	75 52	68 44	63 38	66 41	60 49	73 48	71 48	74 53	66 47	64 44	75 45	70 51	77 51	78 54	80 56	73 44	76.1 53.8	
FROSTBURG 2	07	MAX MIN	75 55	79 57	80 61	75 53	74 52	79 55	82 63	73 59	65 58	66 57	76 55	76 55	75 62	64 61	74 59	65 48	65 42	55 35	62 37	62 47	63 46	65 46	67 47	54 42	55 42	66 44	60 48	71 45	72 47	75 55	69.0 51.1	
HAGERSTOWN	08	MAX MIN OBS	80 56 ***	84 58 ***	87 61 ***	80 53 ***	84 56 ***	89 61 ***	83 62 ***	79 59 ***	79 59 ***	83 59 ***	85 56 ***	84 58 ***	72 65 ***	78 61 ***	76 52 ***	70 44 ***	63 38 ***	66 39 ***	61 52 ***	74 46 ***	72 48 ***	75 50 ***	63 44 ***	66 45 ***	70 44 ***	44 45 ***	46 48 ***	48 51 ***	51 56 ***	74.9 52.9		
HANCOCK	08	MAX MIN	83 57	84 57	87 57	81 50	80 55	83 60	88 65	82 61	77 60	69 58	81 57	84 59	82 64	71 61	78 60	80 48	69 43	63 35	66 39	58 51	72 48	72 49	75 46	60 45	66 43	73 48	68 45	73 50	74 52	81 57	75.3 52.7	
ALLEGHENY PLATEAU	08																																	
MC HENRY 2 NW	08	MAX MIN	78 57	81 58	79 56	76 53	78 53	76 58	81 65	69 56	66 57	72 53	76 53	80 58	76 60	70 59	75 55	63 48	61 39	55 36	61 36	61 45	62 45	70 46	62 43	53 39	54 39	66 44	59 46	72 48	74 51	75 53	69.4 50.3	
OAKLAND 1 SE	17	MAX MIN	78 50	79 50	80 56	75 50	75 52	81 65	81 62	73 57	75 60	76 54	79 52	78 62	76 61	75 56	65 50	55 37	62 30	61 45	64 53	72 41	69 57	62 45	54 41	68 39	65 42	71 42	73 42	74 48	72 48	71.4 50.3		
SAVAGE RIVER DAM	08	MAX MIN	77 52	84 56	83 57	80 52	78 52	80 56	85 64	72 61	68 61	75 55	81 54	80 54	79 63	70 63	76 62	67 50	68 43	58 36	67 36	65 48	61 47	65 45	69 49	58 46	60 44	72 35	65 47	76 47	78 49	78 53	72.8 51.2	
DELAWARE																																		
NORTHERN	01																																	
NEWARK UNIVERSITY FARM	17	MAX MIN	84 57	88 63	88 66	81 56	81 55	86 65	88 68	83 63	73 50	87 66	87 58	86 63	82 69	82 62	79 67	73 50	70 48	66 38	68 43	72 59	73 45	71 57	68 48	66 41	73 41	70 47	76 52	79 49	80 55	79 55	78.0 55.2	
WILMINGTON WSO ARPT	MID	MAX MIN	83 61	88 67	83 67	79 60	80 59	86 69	88 72	74 59	71 58	82 63	87 61	83 67	82 69	79 67	79 59	72 53	63 44	66 40	64 47	73 52	73 48	66 55	67 49	66 44	71 44	71 56	78 53	77 53	77 56	80 57	76.3 57.0	
WILMINGTON PORTER RSVR	MID	MAX MIN	86 64	86 65	83 67	80 60	79 58	85 68	87 72	74 58	70 56	81 66	86 66	82 67	80 65	78 65	78 60	71 53	61 47	65 42	63 47	71 54	69 51	65 55	66 49	64 43	70 45	68 55	74 55	76 55	77 57	77 59	75.1 57.4	
SOUTHERN	02																																	
DOVER	17	MAX MIN	87 60	90 66	86 62	82 61	84 60	88 69	93 71	89 64	76 57	84 64	90 67	90 67	81 70	81 70	81 67	75 55	70 51	68 41	67 46	73 61	72 48	69 59	66 45	68 48	72 43	73 58	77 54	78 56	81 60	80 61	79.0 58.6	
GEORGETOWN 5 SW	08	MAX OBS MIN OBS	84 57 62	84 62	87 64	80 59	75 51	82 55	87 68	78 53	78 57	82 65	85 57	85 57	83 60	75 68	78 67	78 50	79 47	66 39	67 43	67 50	73 46	74 52	71 50	68 42	65 39	72 43	75 51	74 46	76 53	81 54	77.3 53.5	
GREENWOOD 2 NE	18	MAX MIN	83 56	85 61	82 65	77 59	80 52	85 66	89 70	77 65	76 51	83 67	88 58	84 66	74 66	76 66	77 66	75 52	69 50	65 38	65 47	74 58	72 47	68 56	66 45	64 42	71 40	71 51	75 52	76 50	77 49	76 58	76.0 55.5	
LEWES	17	MAX MIN	83 63	88 65	86 73	76 67	80 56	83 69	93 72	89 67	75 62	80 69	85 64	83 63	77 69	80 69	79 70	73 58	65 53	65 46	72 50	72 62	70 59	69 55	66 48	74 46	75 58	71 56	74 53	77 58	78 58	77.2 60.6		
MILFORD 4 SE	17	MAX MIN	82 58	87 62	85 65	76 64	81 53	83 67	91 69	85 63	74 55	81 67	84 58	84 58	81 66	78 69	80 68	76 53	70 52	67 42	64 46	74 62	72 48	69 56	68 52	66 44	73 44	75 53	73 54	75 59	78 55	79 59	77.0 57.4	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

EVAPORATION AND WIND

MARYLAND AND
DELAWARE
SEPTEMBER 1990

STATION		DAY OF MONTH																															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	18	26	45	37	18	21	24	63	39	47	38	7	17	5	27	74	58	71	36	38	49	50	21	84	54	28	14	26	21	14	1070	
	EVAP	24	24	14	27	18	15	16	20	29	0	22	16	15	1	15	34	1	23	14	1	20	15	8	19	20	17	0	16	8	8	4.60	
	MAX	92	92	93	91	89	87	91	88	86	72	89	92	86	75	80	81	81	73	74	64	80	77	77	77	73	76	67	82	84	81	81.7	
	MIN	64	63	63	65	62	63	70	66	63	64	64	65	68	67	67	55	52	46	46	54	56	56	55	47	48	50	53	53	53	60	58.6	
UPPER MARLBORO 3 NNW																																	
	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	EVAP	11	16	13	21	16	7	7	12	13	5	18	14	9	1	7	23	29	20	10	2	18	11	6	18	15	14	8	9	6	10	3.69	
	MAX	92	90	92	80	66	84	90	90	76	74	82	90	88	76	76	80	60	75	73	64	80	76	70	74	74	76	70	76	80	78	78.4	
	MIN	62	62	66	64	60	60	68	68	64	62	62	61	65	67	66	58	53	47	47	54	54	54	54	47	48	47	52	51	56	56	57.8	
DELAWARE																																	
NORTHERN 01																																	
NEWARK UNIVERSITY FARM	WIND	17	20	31	26	11	8	24	39	30	16	4	3	2	9	45	13	40	36	11	21	15	14	42	49	18	7	14	10	10	10	595	
	EVAP	40	6	12	22	24	10	7	20	11	8	10	11	10	21	9	12	17	17	12	8	11	-	21	5	13	6	17	10	9	-	4.06B	
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
SOUTHERN 02																																	
GEORGETOWN 5 SW	WIND	-	69	94	53	39	35	41	57	42	68	36	22	21	18	45	57	67	73	43	72	44	47	41	61	32	71	57	16	40	22	1430B	
	EVAP	12	41	23	21	23	17	15	29	39	-	17	19	13	2	13	28	-	28	17	4	7	12	14	16	13	26	34	18	17	-	5.75B	
	MAX	87	89	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	MIN	60	64	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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
SEPTEMBER 1990

STATION		INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER
								LOCAL STD TIME				
								TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)	
MARYLAND												
ABERDEEN PHILLIPS FLD		001506		HARFORD	39 28	76 10W	57	16	16		C H	ROSS AVIATION INC
ANNAPOLIS POLICE BRKS		019304		ANNE ARUNDEL	38 59	76 30W	30	17	17		H H	ANNAPOLIS POLICE BRKS
ASSATEAGUE IS NATL SEA		033501		WORCESTER	38 14	75 8W	7	08	07		H J	NATIONAL PARK SERVICE
BALTIMORE WSO ARPT		046504		ANNE ARUNDEL	39 11	76 40W	148	MID	MID		C C	NATL WEATHER SERVICE
BALTIMORE WSO CITY #		047006		BALTIMORE CI	39 17	76 37W	14	MID	MID		C C	OCEI COMMANDING OFFICER
BELTSVILLE		070004		PRINCE GEORG	39 2	76 53W	120	08	08	08	H H	US DEPT OF AGRICULTURE
BENSON POLICE BARRACKS		073206		HARFORD	39 30	76 23W	365	17	17		H	MARYLAND STATE POLICE
BOYDS 2 NW		103206		MONTGOMERY	39 13	77 20W	581	18	18		H	HUNTER F STALEY
BRIGHTON DAM		112506		MONTGOMERY	39 12	77 1W	331		MID			WASH SUB SANY COMM
CAMBRIDGE WATER TRMT P		138502		DORCHESTER	38 34	76 4W	10	16	16		C H	WASTEWATER TRMT PLANT
CATOCTIN MOUNTAIN PARK		153006		FREDERICK	39 39	77 29W	1610	17	17		C H	CATOCTIN MOUNTAIN PARK
CHESTERTOWN		175009		KENT	39 13	76 4W	39	23	23		C H	THOMAS W ELIASON JR
CLARKSVILLE 3 NNE		186206		HOWARD	39 15	76 56W	365	17	17		C H	UNIVERSITY OF MARYLAND
COLLEGE PARK		199504		PRINCE GEORG	38 59	76 57W	90	09	09		C H	UNIVERSITY OF MARYLAND
CONOWINGO DAM		206006		HARFORD	39 39	76 10W	39	MID	MID			SUSQUEHANNA ELECTRIC CO
CRISFIELD SOMERS COVE		221501		SOMERSET	37 59	75 52W	8	17	17			SOMERS COVE MARINA
CUMBERLAND 2		228207		ALLEGANY	39 38	78 45W	730	18	07		H	TIMOTHY B THOMAS
DALECARLIA RESVR DC		232504		DIS COLUMBIA	38 56	77 7W	151	17	17			U S CORPS OF ENGINEERS
DAMASCUS 2 SW		233506		MONTGOMERY	39 16	77 14W	722	19	19		H	RICHARD W SCHWEDT
DENTON 2 E		252302		CAROLINE	38 53	75 48W	49	17	17		H	INACTIVE 04/01/90
EDGEMONT		277007		WASHINGTON	39 40	77 33W	905		07			JOHN W HARNE
EMMITSBURG 2 SE		290606		FREDERICK	39 41	77 18W	420	17	17		H	MRS LUCILLE K BEALE
FREDERICK POLICE BRKS		334806		FREDERICK	39 25	77 26W	381	17	17		H	MARYLAND STATE POLICE
FROSTBURG 2		341507		ALLEGANY	39 40	78 56W	2172	07	07		H	LEE K CLOSE
GLENN DALE BELL STN		367504		PRINCE GEORG	38 58	76 48W	151	16	16		H	USDA PLT INTRODUCT STN
HAGERSTOWN		397507		WASHINGTON	39 39	77 44W	659	08	08		H	HAGERSTOWN RESERVOIR
HANCOCK		403007		WASHINGTON	39 42	78 11W	428	08	08		C H	TOWN OF HANCOCK
LA PLATA 1 W		508003		CHARLES	38 32	77 0W	140	18	18		C H	C RUSSELL LEVERING
LAUREL 3 W		511104		PRINCE GEORG	39 6	76 54W	400	MID	MID			WASH SUB SANY COMM
MC HENRY 2 NW		583208		GARRETT	39 35	79 22W	2680	08	08		C H	JOSEPH F JOHENNING
MECHANICSVILLE 5 NE		586503		ST MARYS	38 27	76 41W	100	19	19		C H	SANDRA J HASTINGS
MERRILL		589408		GARRETT	39 36	79 5W	1791		09		H	DELWOOD E MERRILL
MILLERS 4 NE		593406		CARROLL	39 43	76 48W	860	18	18		C H	ROBERT P MILLER
MILLINGTON 1 SE		598505		KENT	39 16	75 52W	30	18	18			HOWARD L HARVEY
NATIONAL ARBORETUM DC		635004		DIS COLUMBIA	38 54	76 59W	49	08	08		H	U S NATL ARBORETUM
OAKLAND 1 SE		662008		GARRETT	39 24	79 24W	2421	17	17		H	BEA J CROSCO
OWINGS FERRY LANDING		677003		CALVERT	38 41	76 40W	160	17	17		C H	JAMES C RASMUSSEN
PATUXENT RIVER		691503		ST MARYS	38 20	76 25W	38	MID	MID			NAVAL WEATHER SERVICE
POTOMAC FILTER PLANT		727206		MONTGOMERY	39 2	77 15W	269		08			POTOMAC WATER FILT PLT
PRINCESS ANNE		733001		SOMERSET	38 13	75 41W	20	17	17			UNIV OF MD EASTERN SHORE
ROCKVILLE 1 NE		770506		MONTGOMERY	39 6	77 6W	440	MID	17		H	WASHINGTON GAS AND LIGHT
ROYAL OAK 2 SSW		780602		TALBOT	38 43	76 11W	10	18	18		H	JOHN L SWAINE JR
SALISBURY		800001		WICOMICO	38 22	75 35W	10	17	17			CITY OF SALISBURY
SALISBURY FAA ARPT #		800501		WICOMICO	38 20	75 31W	48	MID	MID		H	FAA
SAVAGE RIVER DAM		806508		GARRETT	39 31	79 8W	1495	08	08	08	O B C	US CORPS OF ENGINEERS
SNOW HILL 4 N		838001		WORCESTER	38 14	75 23W	30	18	18		H	CURTIS E SHOCKLEY
TALL TIMBERS		875703		ST MARYS	38 10	76 33W	12	17	17		H	RICHARD A EVERETT
TOWSON		887706		BALTIMORE	39 23	76 34W	390	18	18			BENDIX FRIEZ
UNIONVILLE		903006		FREDERICK	39 27	77 11W	430	17	07		C	RICHARD GETZANDANNER
UPPER MARLBORO 3 NNW		907004		PRINCE GEORG	38 52	76 47W	98	08	08	08	O B C	UNIVERSITY OF MARYLAND
VIENNA		914002		DORCHESTER	38 29	75 50W	10	18	18			DELMARVA POWER & LIGHT
WESTMINSTER POLICE BRK		944006		CARROLL	39 33	76 58W	765	17	17		H	MARYLAND STATE POLICE
WOODSTOCK		975006		BALTIMORE	39 20	76 52W	459	18	18		H	JOHN A HILTZ

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
SEPTEMBER 1990

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

SEE REFERENCE NOTES FOLLOWING STATION INDEX

REFERENCE NOTES

MARYLAND AND
DELAWARE
SEPTEMBER 1990

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. SEPTEMBER 1990-0585

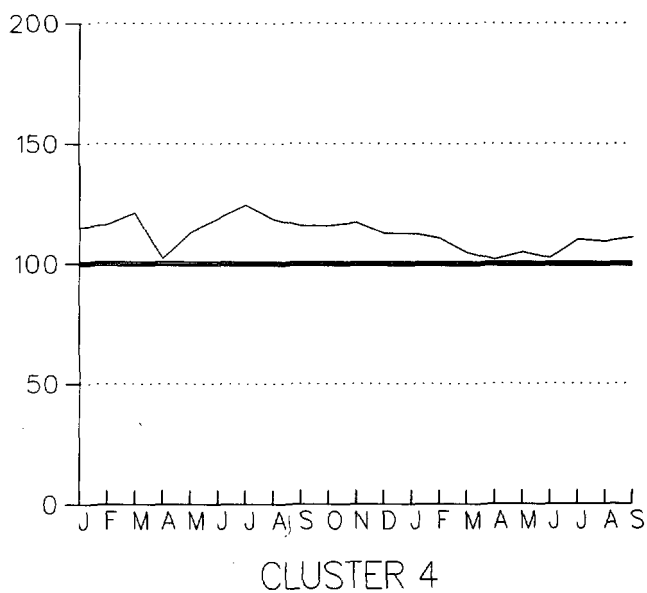
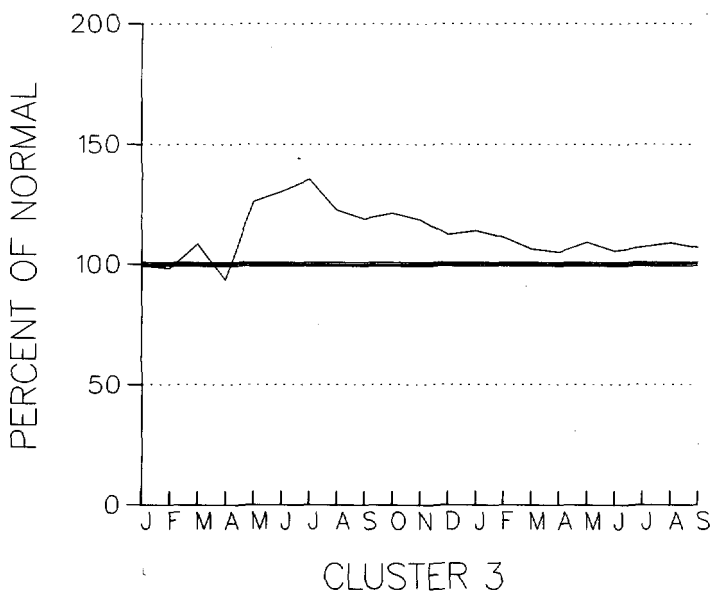
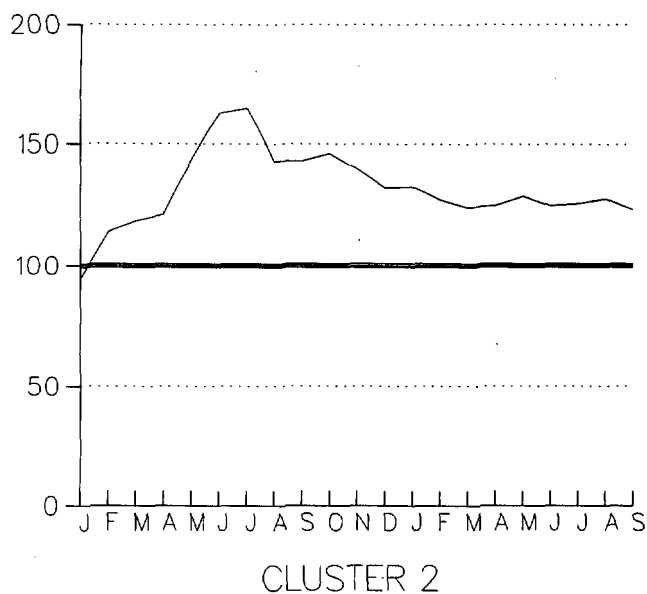
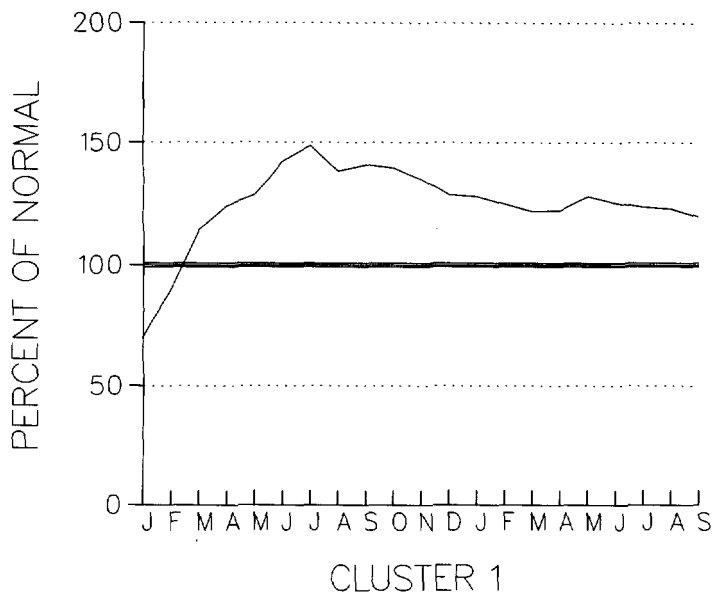
CUMULATIVE PRECIPITATION DEPARTURES FROM NORMAL (1951-1980) FOR THE LAST 21 MONTHS ENDING SEPTEMBER 1990 MARYLAND

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

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

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

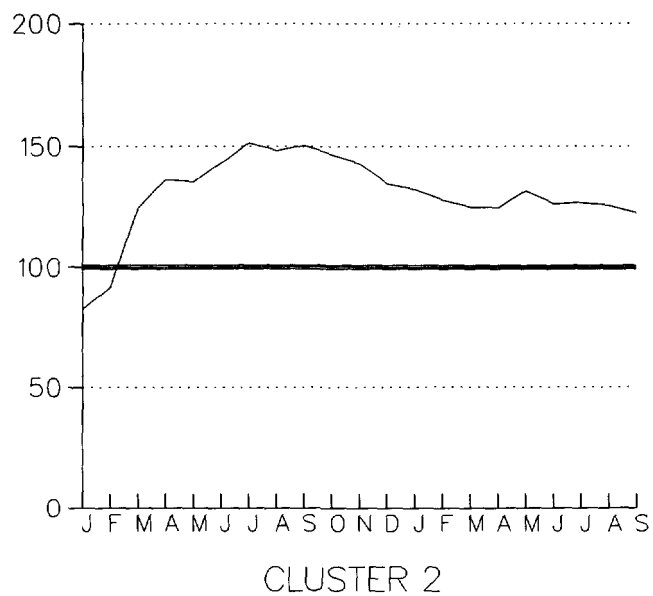
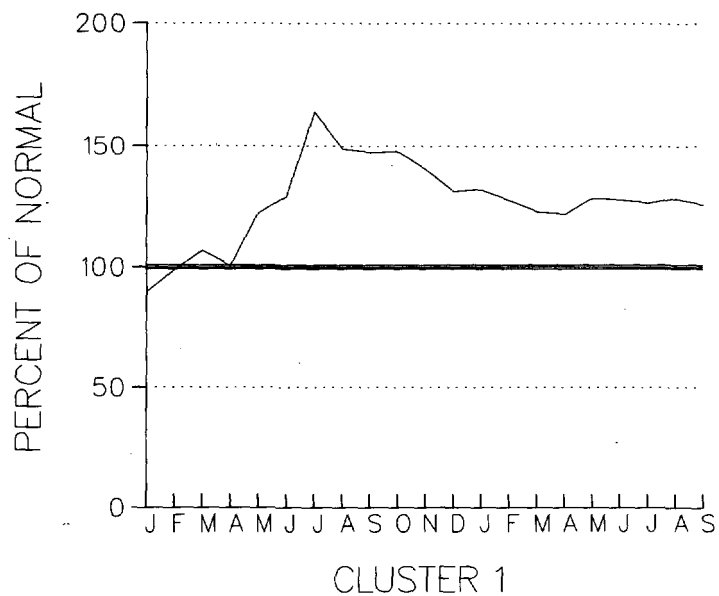
CLUSTER 4 -DIVISION(S):
ALLEGHENY PLATEAU 08



CUMULATIVE PRECIPITATION DEPARTURES FROM NORMAL (1951-1980) FOR THE LAST 21 MONTHS ENDING SEPTEMBER 1990 DELAWARE

CLUSTER 1 -DIVISION(S):
NORTHERN 01

CLUSTER 2 -DIVISION(S):
SOUTHERN 02



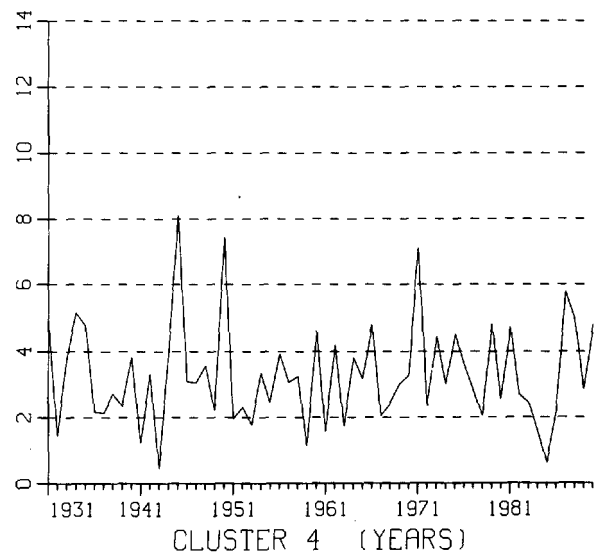
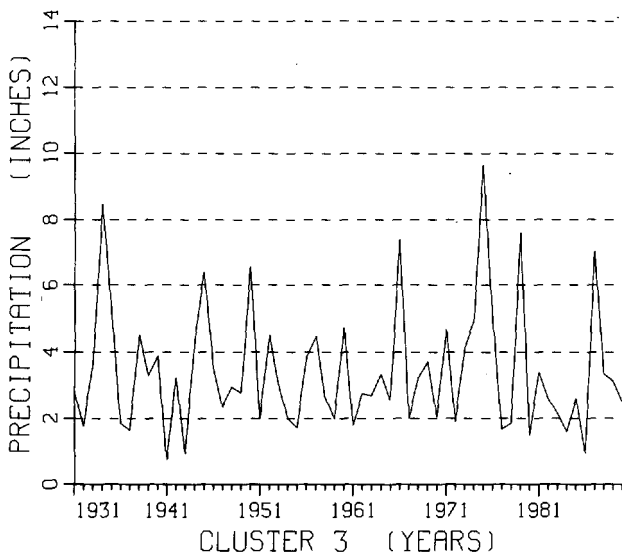
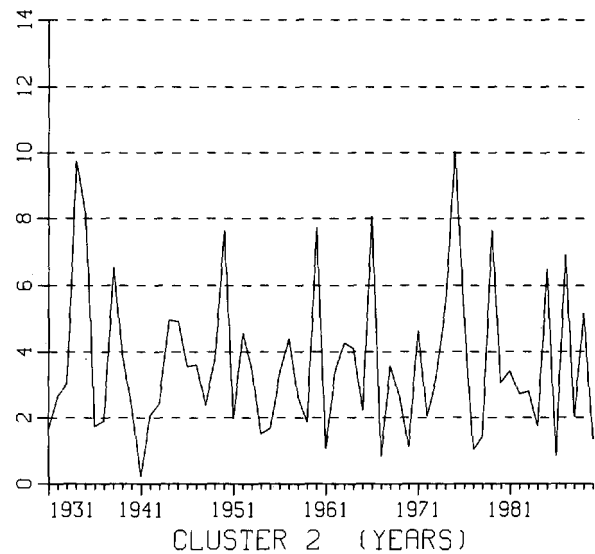
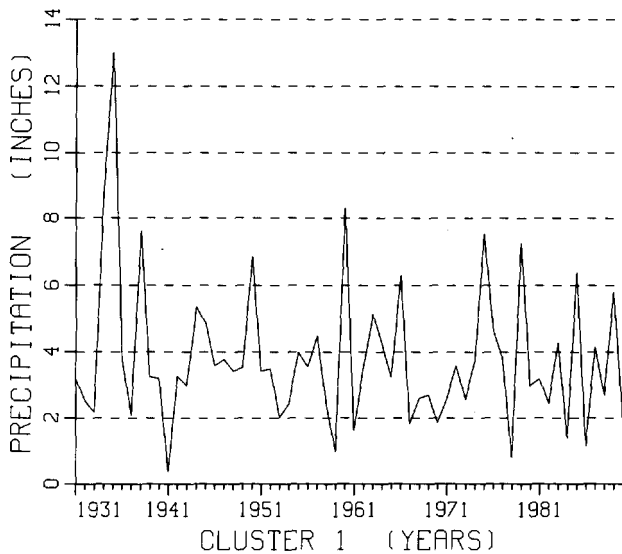
MEAN MONTHLY PRECIPITATION FOR THE MONTH OF: SEPTEMBER THE PERIOD OF: 1931 - 1990 MARYLAND

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

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

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

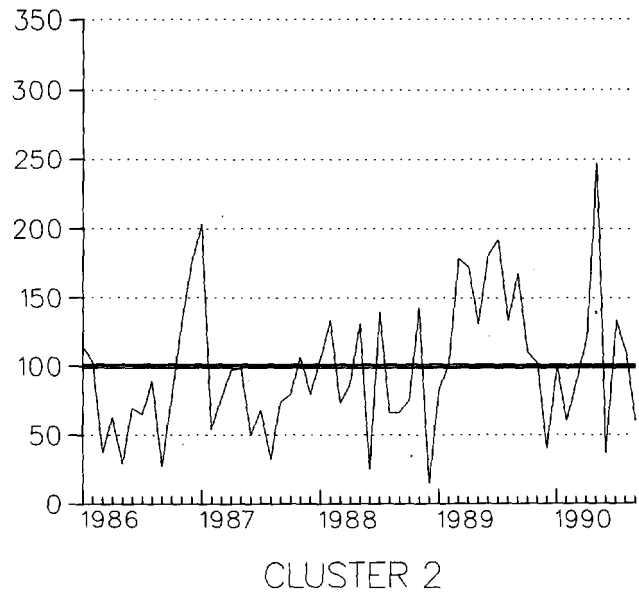
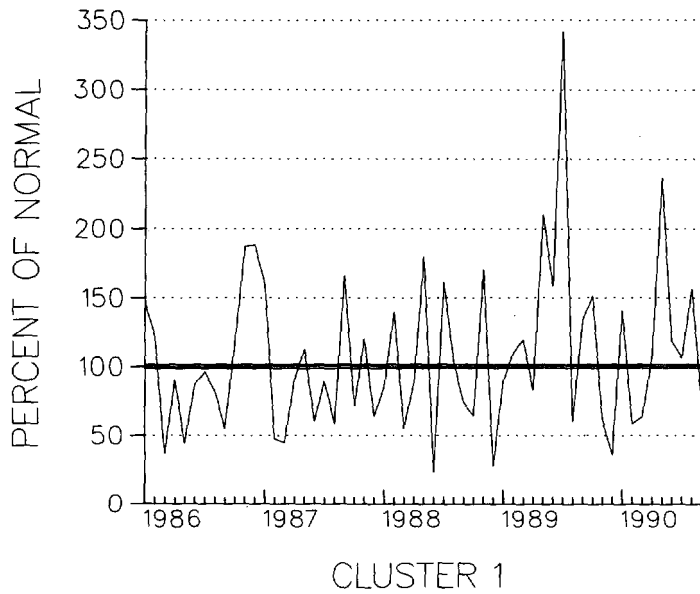
CLUSTER 4 -DIVISION(S):
ALLEGHENY PLATEAU 08



PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)
FOR THE 57 MONTHS
ENDING SEPTEMBER 1990
DELAWARE

CLUSTER 1 -DIVISION(S):
NORTHERN 01

CLUSTER 2 -DIVISION(S):
SOUTHERN 02



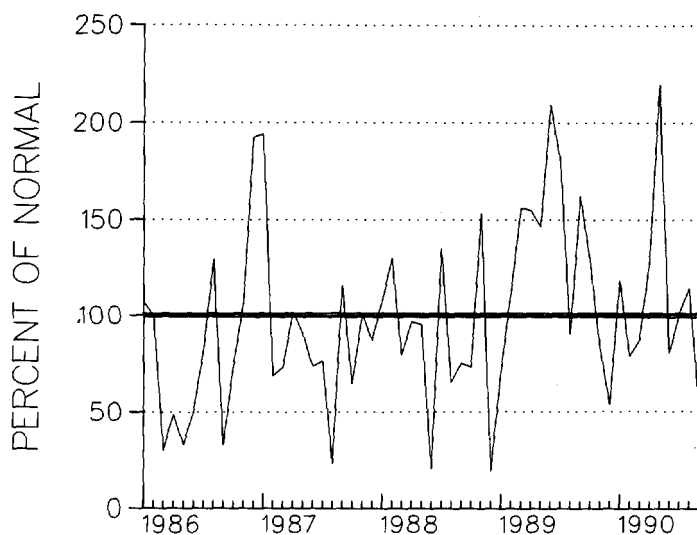
PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)
FOR THE 57 MONTHS
ENDING SEPTEMBER 1990
MARYLAND

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

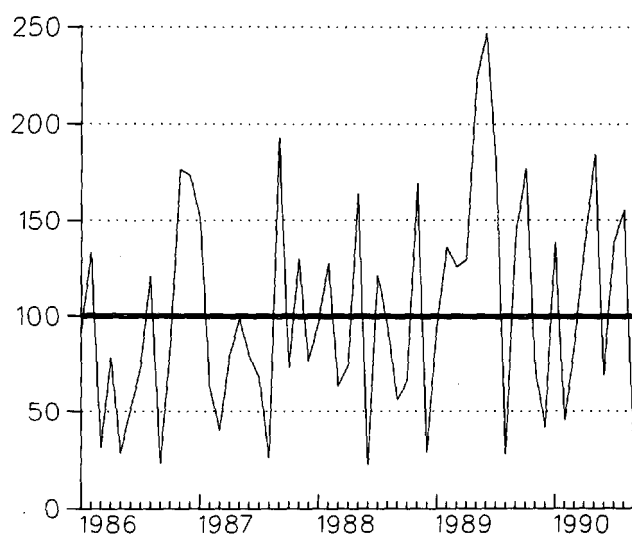
CLUSTER 2 -DIVISION(S):
UPPER SOUTHERN 04
NORTHERN EASTERN SHORE 05

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

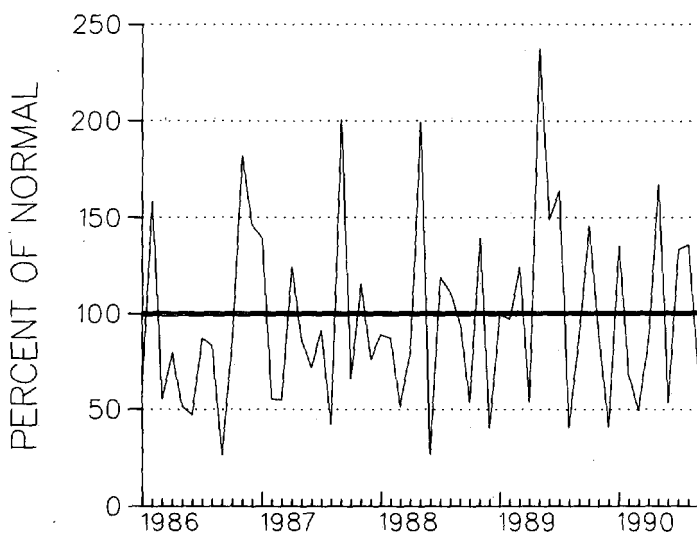
CLUSTER 4 -DIVISION(S):
ALLEGHENY PLATEAU 08



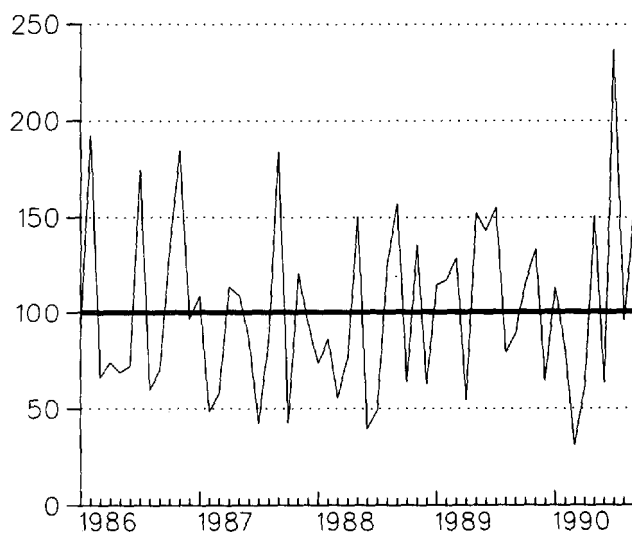
CLUSTER 1



CLUSTER 2



CLUSTER 3

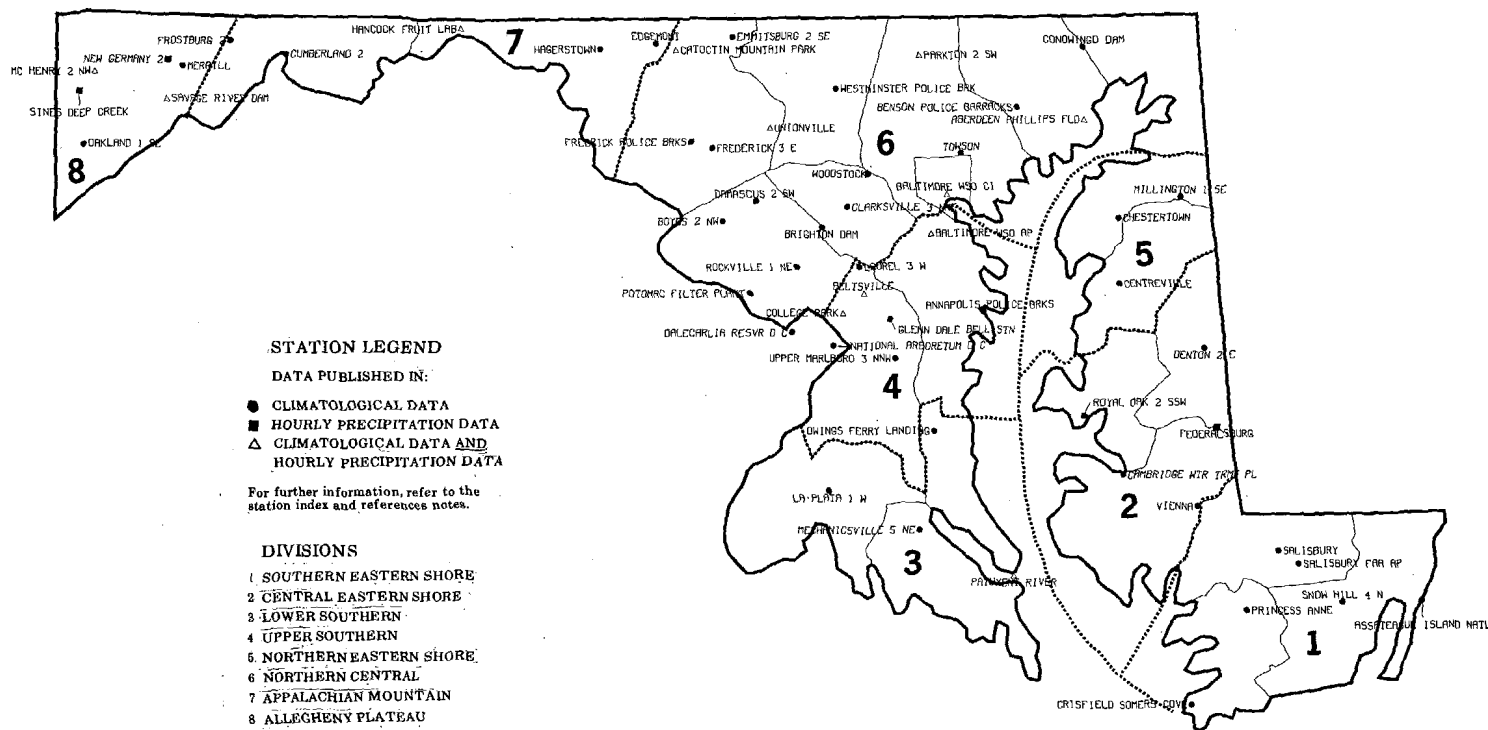


CLUSTER 4

18 - MARYLAND & D.C.

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

STATUTE MILES



76.0
40.0

75.0

40.0

07 - DELAWARE

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

STATUTE MILES



STATION LEGEND

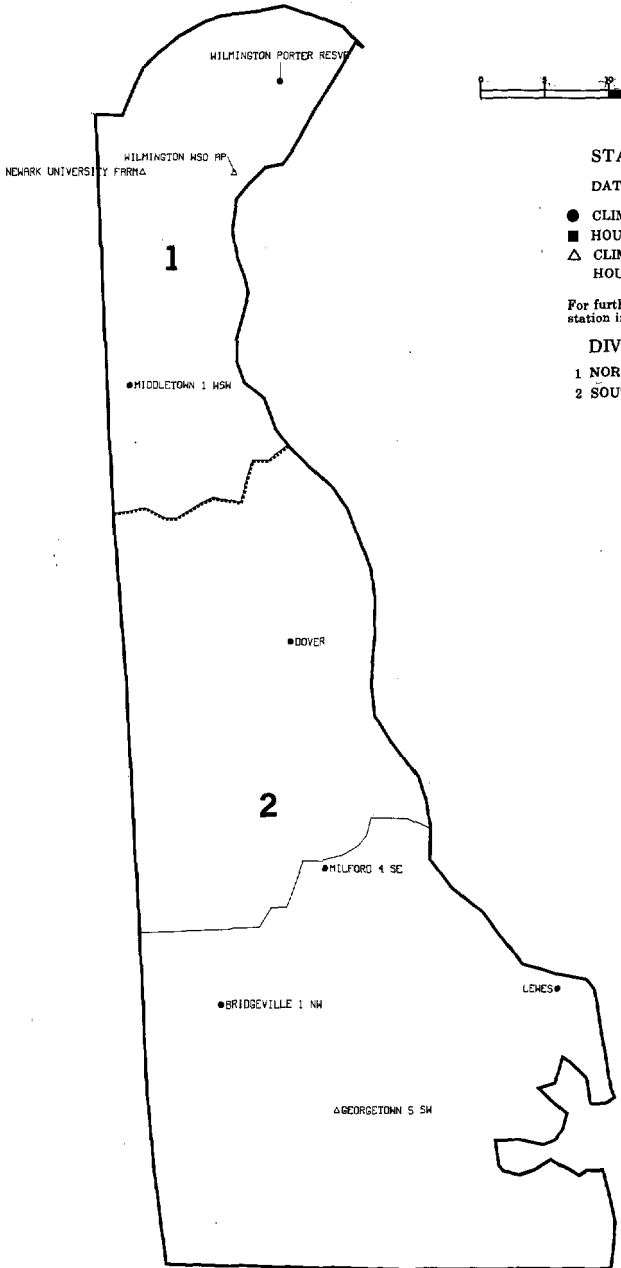
DATA PUBLISHED IN:

- 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



39.0

39.0

76.0
38.0

75.0

38.0

MONTHLY PRECIPITATION TOTALS													ANNUAL 1987 NORTH CAROLINA	
STATION	ANNUAL	MONTH												
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
NORTH CAROLINA														
ASHEVILLE WSO AP	34.97	1.11	1.85	2.75	0.57	3.55					4.19	5.28	4.26	
ASHEVILLE	29.67	0.71	1.57	1.01	0.53	2.55					2.77	4.15	2.34	
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 DAM	-	1.70	1.50	3.60								1.70		
BOOMER 5 WSH	-	1.00	2.10	3.00										
BURLINGTON 3 NNE	-	0.80	1.52E											
CAPE HATTERAS WSO	48.86		1.70											
CARTHAGE 8 SE	-		0.55											
CATALDOCHIE	-													
CHARLOTTE WSO AP	26.91													
CLINTON 2 NE	35.55													
GALTON	-													
DOBSON	-													
EDEN	-													
ELIZABETH	-													
ELIZABETH	-													
FAYE	-													
FRANK	-													
GREENS	-													
GREENVILLE	-													
HELTON	-													
HODUCKEN	-													
LAKESIDE	-													
LAKE LURE	-													
LAURINBURG	-													
LEXINGTON	-													
MORRISVILLE 2	-													
MOREHEAD CITY	-													
MOUNT PLEASANT	-													
N WILKESBORO 12	-													
POLKTON 2 NE	-													
QUEBEC	-													
RALSTON-DURHAM WSO	-													
ROANOKE RAPIDS	-													
ROARING GAP 1 NW	-													
SHELBY 2	-													
SNEADS FERRY 2 ENE	-													
SUNNINGDALE 2 SSE	-													
WILMINGTON WSO AP	-													
WILSON 3 SW	-													
YADKINVILLE 6 E	28.00													

HOURLY PRECIPITATION DATA NORTH CAROLINA

DECEMBER 1987
WITH ANNUAL SUPPLEMENT
VOLUME 37 NUMBER 12

31 - NORTH CAROLINA

A WORLD OF CLIMATIC
INFORMATION FOR....

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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.

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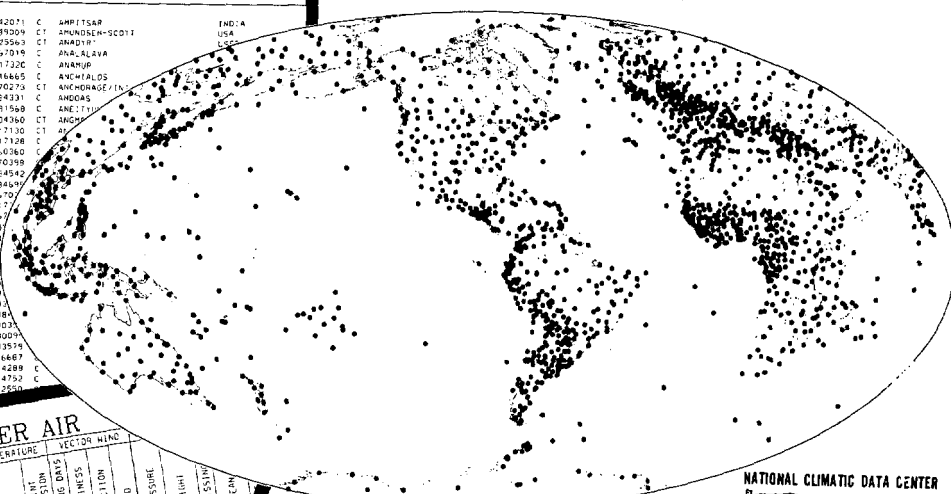
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NATIONAL
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ASHEVILLE, NORTH CAROLINA

STATION LIST WMO PUB 9 VOL A

0246 C	ISOWAR, RAJIS	OMAN	42071 C	AMPITSAR	INDIA
40031 C	ABQADAN	AFGHAN, ISLAMIC REP	42072 C	ZIMUNDS-SCOTT	USA
47409 C	ABASHIRI	JAPAN	25563 C	1 AMADIR	CHAD
71101 C	ABASHIRI	CANADA	57016 C	ARAL ALAVA	USA
64756 C	ABASHIRI, B.C.	JAPAN	17326 C	ANANIR	CHAD
03091 C	ABEHE	CHAD	16645 C	ANCHALIS	USA
41112 C	ABEHE	U KINGDOM	70273 C	ANCHALIS/IN	USA
64571 C	ABOJIAN	SAUDI ARABIA	48321 C	ANDAS	USA
72266 C	ABULEE, 1x	COTE D'IVOIRE	51548 C	ANEYUSIS	USA
42126 C	ABU DHABI AIRPORT	USA	40360 C	ANGH	USA
42127 C	ABU DHABI INTL AIRPORT	U ARAB EMIRATES	71310 C	ANGH	USA
62640 C	ABU HAMED	U ARAB EMIRATES	71308 C	ANGH	USA
62799 C	ABU NAMA	SUDAN	60380		
70650 C	ACAJUJA	EL SALVADOR	70398		
78005 C	ACAPULCO, SDO.	MEXICO	84096		
80427 C	ACAPULCO	VENEZUELA	57070		
73551 C	ADANA	TURKEY	57070		
63950 C	ADDES ARABA	ETHIOPIA	57070		
94472 C	ADDELADE AIRPORT	AUSTRALIA	57070		
41843 C	ADEN	YEMEN	57070		
65585 C	ADEN ADHOMASAD	YEMEN	57070		
65585 C	ADEN	YEMEN	57070		
60620 C	ADQAR	ALGERIA	57070		
76679 C	ADREF INTL, MEXICO, D.F.	MEXICO	57070		
76844 C	ADREF INTL, MEXICO, D.F.	MEXICO	57070		
76394 C	ADREF INTL, MEXICO, D.F.	MEXICO	57070		
87962 C	ADREF, ARGENTINA	ARGENTINA	57070		
11140 C	ADREF, ARGENTINA	ARGENTINA	57070		
61024 C	AGADEZ	ALGERIA	57070		
66250 C	AGADIR	MOROCCO	57070		
61974 C	AGALEGA	MAURITIUS	57070		
42301 C	AGRA	INDIA	57070		
15672 C	AGRIKION AIRPORT	GREECE	57070		
42647 C	AGHADABAO	INDIA	57070		
40680 C	AGHADABAO	INDIA	57070		
61499 C	AGHADABAO AIRPORT	INDIA	57070		
07761 C	AGHADABAO	INDIA	57070		
21148 C	AGHADABAO	INDIA	57070		
17184 C	AGHADABAO	INDIA	57070		
47582 C	AGHADABAO	INDIA	57070		



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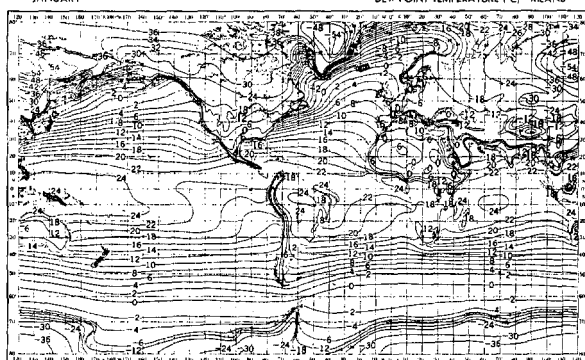
ISSN 0027-0296



PREPARED IN COOPERATION WITH THE
WORLD METEOROLOGICAL ORGANIZATION

JANUARY

DEW-POINT TEMPERATURE (°C) - MEANS



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Kenneth D Hadlee

DIRECTOR
NATIONAL CLIMATIC DATA CENTER

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

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 air pressure, temperature, vapor pressure, precipitation, sunshine, and wind. 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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HOURLY PRECIPITATION DATA ARIZONA

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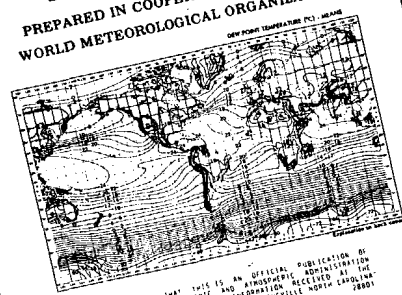
ISSN 0145-0367

LOCAL CLIMATOLOGICAL DATA Monthly Summary

STATION: TUCSON, ARIZONA
ELEVATION: 2132 FT.
INSTRUMENTS: THERMISTERS

MONTH	1	2	3	4	5	6	7	8	9	10	11	12	ANNUAL
TEMPERATURE (°F)	58.0	60.0	62.0	64.0	66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	68.0
PRECIPITATION (INCHES)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WIND SPEED (MPH)	10.0	12.0	14.0	16.0	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	20.0
RELATIVE HUMIDITY (%)	65	68	71	74	77	80	83	86	89	92	95	98	75
WIND DIRECTION (°)	100	110	120	130	140	150	160	170	180	190	200	210	150
WIND VELOCITY (MPH)	10.0	12.0	14.0	16.0	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	20.0
WIND DIRECTION (°)	100	110	120	130	140	150	160	170	180	190	200	210	150
WIND VELOCITY (MPH)	10.0	12.0	14.0	16.0	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	20.0

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



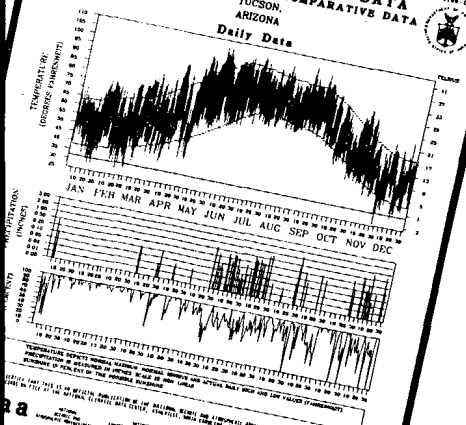
STORM DATA



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Director
NATIONAL CLIMATIC DATA CENTER

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



CD
VALIDATED BY:

Charles Aiken
Ted Burlew
Charles Chillag
Betty Edstrom
Bruce Emory
Joyce Morgan

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