

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

SEPTEMBER 1984

VOLUME 88 NUMBER 9



SEE BACK COVER FOR 1983 ANNUAL NOTE

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ASHEVILLE NORTH CAROLINA

TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND AND
DELAWARE
SEPTEMBER 1984

MARYLAND
HIGHEST TEMPERATURE 99
LOWEST TEMPERATURE 28
GREATEST TOTAL PRECIPITATION 3.06
LEAST TOTAL PRECIPITATION .81
GREATEST 1 DAY PRECIPITATION 1.30

DELAWARE
HIGHEST TEMPERATURE 94
LOWEST TEMPERATURE 37
GREATEST TOTAL PRECIPITATION 2.79
LEAST TOTAL PRECIPITATION 1.36
GREATEST 1 DAY PRECIPITATION 1.33

SEPTEMBER 24
SEPTEMBER 28

SEPTEMBER 3

SEPTEMBER 4+
SEPTEMBER 19

SEPTEMBER 11

DALECARLIA RESVR D C
FROSTBURG 2
CONOWINGO DAM
SALISBURY FAA AP
POTOMAC FILTER PLANT

3 STATIONS
GEORGETOWN 5 SW
MIDDLETOWN 1 WSW
GEORGETOWN 5 SW
MIDDLETOWN 1 WSW

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
SEPTEMBER 1984

STATION	TEMPERATURE (°F)													PRECIPITATION (IN)										
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	SNOW SLEET					
											90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW					TOTAL	MAX. DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
MARYLAND																								
SOUTHERN EASTERN SHORE 01																								
ASSATEAGUE STATE PARK	79.1	60.6	69.9		95	3	47	17	27	180	2	0	0	0	2.11		.80	29	.0	0		4	3	0
PRINCESS ANNE	78.1	52.4	65.3	-3.3	93	3	33	18	99	116	1	0	0	0	1.16	-2.81	.54	4	.0	0		3	1	0
SALISBURY	78.2	55.5	66.9	-3.0	94	3	43	27+	73	136	1	0	0	0	1.26	-2.33	.58	28	.0	0		4	1	0
SALISBURY FAA AP	77.5	54.9	66.2	-2.4	94	3	41	17	75	118	1	0	0	0	.81	-3.13	.39	28	.0	0		3	0	0
SNOW HILL 4 N	79.1	54.6	66.9	-2.1	95	3	39	19+	83	145	1	0	0	0	1.46	-2.07	.60	4	.0	0		3	1	0
--DIVISIONAL DATA----->			67.0	-2.6											1.36	-2.23			.0					
CENTRAL EASTERN SHORE 02																								
CAMBRIDGE WTR TRMT PL	79.7	56.4 M	68.1 M	-1.4	94	4+	41	19	66	155	2	0	0	0	1.10	-2.62	.72	28	.0	0		3	1	0
DENTON 2 E	79.9	52.2	66.1	-3.0	94	3	38	28+	96	135	3	0	0	0	1.27	-2.23	.96	28	.0	0		3	1	0
ROYAL OAK 2 SSW	79.1	55.8	67.5	-2.8	94	3	42	17	70	154	1	0	0	0	1.46	-2.26	.96	28	.0	0		3	1	0
VIENNA	80.4	56.3	68.4	-1.5	95	4+	40	19	56	162	2	0	0	0	1.29	-2.68	.93	28	.0	0		3	1	0
--DIVISIONAL DATA----->			67.5	-2.2											1.28	-2.37			.0					
LOWER SOUTHERN 03																								
LA PLATA 1 W	77.7 M	59.8 M	68.8 M		96	3	47	19	43	165	2	0	0	0	1.52		.77	28	.0	M		5	1	0
PATUXENT RIVER			68.8	-.5											1.52	-1.98								
--DIVISIONAL DATA----->																								
UPPER SOUTHERN 04																								
ANNAPOLIS POLICE BRKS	79.1	57.3	68.2		93	3	46	28+	50	156	2	0	0	0	1.72		1.11	28	.0	0		3	1	1
BALTIMORE WSO AP	75.3	54.2	64.8	-4.1	92	3	44	28+	96	98	1	0	0	0	2.38	-1.08	.94	14	.0	0		5	2	0
BELTSVILLE	76.7	53.0	64.9	-2.3	92	4	39	27	111	116	3	0	0	0	1.60	-2.11	.65	28	.0	0		4	2	0
COLLEGE PARK	78.2	55.9	67.1	-2.1	95	4	43	27+	85	153	3	0	0	0	1.93	-1.63	.82	3	.0	0		4	2	0
GALECARLIA RESVR D C	79.3	55.1 M	67.2 M	-2.0	99	24	37	28	69	143	3	0	0	0	2.29	-1.13	1.11	4	.0	0		3	2	1
GLENN DALE BELL STN	79.0	50.0 M	64.5 M	-3.5	94	3	35	27	120	107	3	0	0	0	2.20	-1.46	1.05	4	.0	0		3	2	1
LAUREL 3 W	77.1	55.4	66.3	-3.3	93	3	44	27+	73	121	4	0	0	0	2.50	-.88	.90	30	.0	0		5	2	0
NATIONAL ARBORETUM D C	78.3	52.0	65.2	-4.9	93	4	40	18+	99	112	3	0	0	0	1.73	-1.85	.75	4	.0	0		3	2	0
UPPER MARLBORO 3 NNW	77.1	51.5	64.3		93	4	38	27	116	100	2	0	0	0	1.95	-1.78	.53	4	.0	0		5	2	0
--DIVISIONAL DATA----->			65.8	-2.9											2.03	-1.49			.0					
NORTHERN EASTERN SHORE 05																								
CENTREVILLE	80.6	53.6	67.1		93	3	41	29+	59	131	2	0	0	0	1.25		1.05	28	.0	0		2	1	1
CHESTERTOWN	77.2	55.0	66.1	-3.2	92	3	44	28+	78	118	2	0	0	0	1.62	-1.96	.80	28	.0	0		4	2	0
--DIVISIONAL DATA----->			66.6	-2.4											1.44	-2.23			.0					
NORTHERN CENTRAL 06																								
ABERDEEN PHILLIPS FLD	77.1 M	54.1	67.7	-4.0	87	25+	41	27			0	0	0	0	1.68		1.01	17	.0	M		3	1	1
BALTIMORE WSO CI	77.1	58.2	67.7		95	3	41	28	69	155	3	0	0	0	1.23	-2.43	.52	28	.0	M		4	1	0
BENSON POLICE BARRACKS	78.7	51.6	65.2	-2.3	90	3	39	28+	90	104	1	0	0	0	1.55	-2.63	.70	4	.0	0		3	2	0
BOYDS 2 NW	77.1	53.6	65.4		90	3	38	27	97	114	1	0	0	0	1.44		.88	28	.0	0		3	1	0
CATOCTIN MOUNTAIN PARK	70.2	53.9	62.1		81	3+	37	28	136	55	0	0	0	0	1.58		.76	4	.0	0		3	1	0
CLARKSVILLE 3 NNE	78.2	50.6	64.4		94	3	34	27	114	104	4	0	0	0	1.78		.94	4	.0	0		3	2	0
CONOWINGO DAM	75.7	53.3	64.5	-2.7	91	3	43	28+	94	84	2	0	0	0	3.06	-.83	.83	4	.0	0		7	2	0
DAMASCUS 2 SW	74.2	54.0	64.1		87	3	38	27	113	93	0	0	0	0	2.51		1.05	3	.0	0		3	3	1
EMMITSBURG 2 SE	76.0	48.8	62.4		87	3	35	27+	145	76	0	0	0	0	1.49		.70	4	.0	0		3	2	0
FREDRICK POLICE BRKS	77.1	55.4	66.3		90	3	41	27	95	141	1	0	0	0	1.50		.69	4	.0	0		4	2	0

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
SEPTEMBER 1984

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
PARKTON 2 SW 11		73.5	48.7	61.1		88	3	34	27	166	55	0	0	0	1.90		.62	3	.0	0		4	2	0	
ROCKVILLE 1 NE		76.1	55.3	65.7	-2.0	92	3	42	27+	101	127	2	0	0	1.35	-1.11	.60	2	.0	0		4	1	0	
TOWSON		77.2	53.6	65.4		90	3	40	28+	102	105	1	0	0	1.53	-2.62	.96	2	.0	0		3	1	0	
UNIONVILLE		75.9	48.1	62.0	-3.3	88	24+	32	27	149	63	0	0	1	1.13	-2.38	.61	2	.0	0		4	1	0	
WESTMINSTER POLICE BRK		75.8	53.8	64.8	-1.5	87	3	39	28+	108	110	0	0	0	1.21	-2.62	.52	2	.0	0		3	1	0	
WOODSTOCK		76.8	52.4	64.6	-2.2	90	3	39	27	104	98	1	0	0	2.15	-1.85	1.05	4	.0	0		4	2	1	
--DIVISIONAL DATA----->				64.4	-3.0										1.69	-2.14			.0						
APPALACHIAN MOUNTAIN 07																									
CUMBERLAND 2		77.8	49.4	63.6	-3.0	93	2	38	17+	130	96	2	0	0	1.39	-1.53	.54	4	.0	0		3	1	0	
FROSTBURG 2		69.7	44.0	56.9		85	3	28	28	251	11	0	0	1	1.90		.62	15	.0	0		3	3	0	
HAGERSTOWN		76.5	53.6	65.1	-1.7	89	3	39	27+	110	118	0	0	0	1.28	-2.02	.60	2	.0	0		3	1	0	
HANCOCK FRUIT LAB		77.0	49.8	63.4	-1.5	90	3+	34	27	137	96	2	0	0	1.44	-1.78	.48	15	.0	0		3	0	0	
--DIVISIONAL DATA----->				62.3	-3.4										1.50	-1.69			.0						
ALLEGHENY PLATEAU 08																									
MC HENRY 2 NW		70.5	47.3	58.9		83	14	34	29	196	21	0	0	0	2.46		.92	15	.0	0		5	2	0	
OAKLAND 1 SE		72.4	42.7	57.6	-2.9	85	13+	29	17	233	16	0	0	2	1.24	-1.87	.38	28	.0	0		4	0	0	
SAVAGE RIVER DAM		73.6	45.3	59.5	-2.5	87	3	33	18+	195	35	0	0	0	1.00	-1.99	.50	28	.0	0		3	1	0	
--DIVISIONAL DATA----->				58.7	-1.9										1.57	-1.59			.0						
DELAWARE																									
NORTHERN 01																									
MIDDLETOWN 1 WSW		78.5	51.7	65.1		90	3	39	27	97	108	1	0	0	2.79		1.33	11	.0	0		4	3	1	
NEWARK UNIVERSITY FARM		77.4	52.6	65.0	-2.9	90	3	42	28+	92	97	1	0	0	2.71	-.90	.97	4	.0	0		7	3	0	
WILMINGTON WSO AP		75.0	52.3	63.7	-4.2	90	3	38	27	113	80	1	0	0	2.02	-1.57	.68	28	.0	0		5	2	0	
WILMGTN PORTER RESVR		74.5	54.7	64.6	-2.3	88	3	42	28	95	89	0	0	0	2.50	-1.31	.81	28	.0	0		6	2	0	
--DIVISIONAL DATA----->				64.6	-3.2										2.51	-1.08			.0						
SOUTHERN 02																									
BRIDGEVILLE 1 NW		79.9	52.1	66.0	-2.4	94	3	38	17	90	126	2	0	0	1.61	-2.11	.83	28	.0	0		4	1	0	
DOVER		79.1	56.6	67.9	-1.7	94	3	44	28+	68	162	2	0	0	2.57	-1.57	1.15	15	.0	0		4	2	0	
GEORGETOWN 5 SW		78.7	53.3	66.0	-2.4	94	4	37	19	87	123	2	0	0	1.36	-2.15	.52	28	.0	0		4	2	0	
LEWES		78.3	59.3	68.8	.4	93	3	44	19	45	164	1	0	0	2.53	-.73	1.07	28	.0	0		4	3	1	
--DIVISIONAL DATA----->				67.2	-1.5										2.02	-1.65			.0						

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
SEPTEMBER 1984

STATION		TOTAL	DAY OF MONTH														
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
MARYLAND																	
SOUTHERN EASTERN SHORE 01																	
ASSATEAGUE STATE PARK		2.11				.57	.02										
PRINCESS ANNE		1.16				.54								.04			
SALISBURY		1.26				.29							.17	T			
SALISBURY FAA AP		.81				.26						T				T	T
SNOW HILL 4 N		1.46				.60	.02							.03		T	.02
CENTRAL EASTERN SHORE 02																	
CAMBRIDGE WTR TRMT PL		1.10				.19											
DENTON 2 E		1.27				.06											.13
ROYAL OAK 2 SSW		1.46				.25						.04					T
VIENNA		1.29				.18											
LOWER SOUTHERN LA PLATA 1 W 03																	
PATUXENT RIVER	M	1.52	-	-	.02	.13	-	-	-	-	-	.13	T	-	-	T	T
UPPER SOUTHERN ANNAPOLIS POLICE BRKS 04																	
BALTIMORE WSO AP	R	2.38			.20	.15						.01					
BELTSVILLE		1.60				.58	T					.01				.94	.01
COLLEGE PARK		1.93			.82	T						.02	.04	T	T		.13
DALECARLIA RESVR D C		2.29				1.11						T	T	T		.23	
GLENN DALE BELL STN		2.20				1.05											.37
LAUREL 3 W		2.50			.36	.07						.03					.05
NATIONAL ARBORETUM D C		1.73				.75						.01				.10	
UPPER MARLBORO 3 NNW		1.95				.53							.03				.03
												.22					.23
NORTHERN EASTERN SHORE 05																	
CENTREVILLE		1.25										.05	T				
CHESTERTOWN		1.62			.55	.13						T		T	T	T	T
NORTHERN CENTRAL ABERDEEN PHILLIPS FLD 06																	
BALTIMORE WSO CI	R	1.23			.24	.21						.04					.02
BENSON POLICE BARRACKS		1.55				.70					*	*					.02
BOYDS 2 NW		1.44				.42											.04
BRIGHTON DAM		1.45			.24	.30											.03
CATOCTIN MOUNTAIN PARK		1.58				.76											.33
CLARKSVILLE 3 NNE		1.78				.94											.01
CONOWINGO DAM		3.06			.79	.83	.15										.10
DAMASCUS 2 SW		2.51			1.05	.54						T	.27			.07	T
EMMITTSBURG 2 SE		1.49				.70							T				.19
FREDRICK POLICE BRKS		1.50			.10	.69											.05
FREDERICK 3 E		2.26				1.12											.05
PARKTON 2 SW	//	1.90		.02		.37							.02				.12
POTOMAC FILTER PLANT		2.41			1.30	.03										.03	T
ROCKVILLE 1 NE		1.35			.38	.01											
TOWSON		1.53				.46											.01
UNIONVILLE		1.13			.18	.24											
WESTMINSTER POLICE BRK		1.21				.46											.11
WOODSTOCK		2.15			.23	1.05											
APPALACHIAN MOUNTAIN 07																	
CUMBERLAND 2		1.39				.54											.38
EDGE MONT		2.00				.28	.04										.34
FROSTBURG 2		1.90				.57	.06										.62
HAGERSTOWN		1.28				.35										T	.28
HANCOCK FRUIT LAB		1.44				.39								.05			.48

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (CONT)

MARYLAND AND
DELAWARE
SEPTEMBER 1984

STATION	DAY OF MONTH															
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MARYLAND																
SOUTHERN EASTERN SHORE 01																
ASSATEAGUE STATE PARK													.50	.80	.22	
PRINCESS ANNE													.38	.20		
SALISBURY													.58	.22		
SALISBURY FAA AP										.03	T	.03	.39	.10		
SNOW HILL 4 N											T	T	.40	.34	.05	
CENTRAL EASTERN SHORE 02																
CAMBRIDGE WTR TRMT PL													.72	.19		
DENTON 2 E									T	.07	T	T	.96	.12		
ROYAL OAK 2 SSW													.96	.14		
VIENNA													.93	.18		
LOWER SOUTHERN SHORE 03																
LA PLATA 1 W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PATUXENT RIVER									T		.01	.29	.77	.13	.04	
UPPER SOUTHERN SHORE 04																
ANNAPOLIS POLICE BRKS									.03	T			1.11	.21		
BALTIMORE WSO AP									T	T	T	.19	.75	.07	.06	
BELTSVILLE									T	T		T	.65	.17	.01	
COLLEGE PARK										.01	T		.71	.16		
DALECARLIA RESVR D C										.02			.73	.06		
GLENN DALE BELL STN										.07			.85	.15		
LAUREL 3 W												.32	.74		.90	
NATIONAL ARBORETUM D C									T	.03		T	.58	.31	T	
UPPER MARLBORO 3 NNW	.09										.02		.52	.34		
NORTHERN EASTERN SHORE 05																
CENTREVILLE													1.05	.15		
CHESTERTOWN									T		T	.10	.80	.04		
NORTHERN CENTRAL SHORE 06																
ABERDEEN PHILLIPS FLD		1.01								.04	T		.16	*	*	
BALTIMORE WSO CI										.02		.15	.52	.06	.03	
BENSON POLICE BARRACKS										T			.57	.22		
BOYDS 2 NW													.88	.11		
BRIGHTON DAM												.10	.62	.04	.15	
CATOCTIN MOUNTAIN PARK											T		.44	.05		
CLARKSVILLE 3 NNE											T		.62	.21		
CONOWINGO DAM	.07	.06							.01			T	.38	.33		
DAMASCUS 2 SW										T	T	T	.81	.09	.02	
EMMITTSBURG 2 SE										T	T		.60	T		
FREDRICK POLICE BRKS													.55	.11		
FREDERICK 3 E	T										.02		.87	.20		
PARKTON 2 SW	T									.01	T	.04	.61	.07	.02	
POTOMAC FILTER PLANT												.20	.60	.03	.22	
ROCKVILLE 1 NE										.02	T	.15	.60	.03	.16	
TOWSON													.96	.10		
UNIONVILLE										T	T		.61	.10		
WESTMINSTER POLICE BRK													.52	.09	.03	
WOODSTOCK											T		.75	.12		
APPALACHIAN MOUNTAIN 07																
CUMBERLAND 2	.02												.45	T		
EDGEMONT	.02												.32	.20	.80	
FROSTBURG 2	.04												.54	.06		
HAGERSTOWN											.01	T	.60	.05	T	
HANCOCK FRUIT LAB													.46		.06	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
SEPTEMBER 1984

STATION	TOTAL	DAY OF MONTH														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ALLEGHENY PLATEAU 08																
MC HENRY 2 NW	2.46				.60	.04							.20			.92
MERRILL	1.29				.21								.02			.60
OAKLAND 1 SE	1.24			.12	.26		.09									.09
SAVAGE RIVER DAM	1.00				.25	T	T									.22
DELAWARE																
NORTHERN 01																
MIDDLETOWN 1 WSW	2.79				.57						.05	1.33				.12
NEWARK UNIVERSITY FARM	2.71				.97						.56	.12			.13	.15
WILMINGTON WSO AP	2.02			.53	.40						.15				.07	.15
WILMGTN PORTER RESVR	2.50			.65	.40						.14				.30	.18
SOUTHERN 02																
BRIDGEVILLE 1 NW	1.61				.14								T			.49
DOVER	2.57				.12							.02				1.15
GEORGETOWN 5 SW	1.36				.10	.20										
LEWES	2.53				.53							.09				.20

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (CONT)

MARYLAND AND
DELAWARE
SEPTEMBER 1984

STATION	DAY OF MONTH															
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
ALLEGHENY PLATEAU 08 MC HENRY 2 NW MERRILL OAKLAND 1 SE SAVAGE RIVER DAM	.06 T										.05 .01 .06 T	.03 .05 T	.40 .45 .38 .50	.16 .03	T .19	
DELAWARE																
NORTHERN 01 MIDDLETOWN 1 WSW NEWARK UNIVERSITY FARM WILMINGTON WSO AP WILMGTN PORTER RESVR R								T	T	T	.01 T	.02 T	.72 .66 .68 .81	.12 .01 .02		
SOUTHERN 02 BRIDGEVILLE 1 NW DOVER GEORGETOWN 5 SW LEWES									.02	T			.83 1.03 .52 1.07	.13 .25 .51 .64	.03	

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MARYLAND AND
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STATION		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 STATE PARK	MAX	82	85	95	84	77	75	78	79	82	81	83	82	85	86	74	69	74	77	80	82	85	83	78	84	81	91	65	64	63	70	79.1	
	MIN	62	62	73	68	59	56	51	55	65	67	65	64	67	71	58	48	47	58	50	60	63	62	64	68	69	66	52	53	58	58	60.6	
PRINCESS ANNE	MAX	85	86	93	86	75	72	73	72	76	82	84	82	85	83	82	70	71	72	75	82	84	78	83	86	88	86	67	61	60	65	78.1	
	MIN	56	54	53	66	56	47	40	43	46	61	65	62	62	67	51	53	43	33	37	47	57	46	50	61	65	65	43	49	41	52	52.4	
SALISBURY	MAX	83	86	94	88	76	75	74	75	79	81	83	84	80	82	80	72	72	72	75	81	83	81	81	87	87	85	64	58	60	67	78.2	
	MIN	62	58	67	66	56	51	45	46	51	61	61	67	60	68	65	45	43	44	43	52	61	51	55	62	66	65	43	47	53	52	55.5	
SALISBURY FAA AP	MAX	82	87	94	74	76	75	73	75	80	81	85	82	80	84	75	67	71	73	76	83	84	78	82	87	88	84	64	59	60	66	77.5	
	MIN	61	57	70	63	55	50	45	46	50	63	68	62	62	70	53	45	41	45	43	53	55	50	52	64	68	54	43	50	57	53	54.9	
SNOW HILL 4 N	MAX	85	88	95	89	72	75	73	76	81	83	88	84	79	84	79	70	71	72	78	84	85	79	84	89	89	88	65	60	60	69	79.1	
	MIN	57	55	69	67	56	48	42	44	47	62	67	64	65	68	66	44	39	41	39	49	59	47	48	64	65	65	41	50	57	53	54.6	
CENTRAL EASTERN SHORE 02																																	
CAMBRIDGE WTR TRMT PL	MAX	85	83	94	94	76	74	75	78	82	85	81	85	82	87	86	79	71	72	75	85	85	82	80	87	87	85	69	60	60	66	79.7	
	MIN	67	68		66	60	56	48	48	52	62	65	67	62	68	65	48	44	46	41	53	59	51	54	65	68	65	46	44	50	48	56.4	
DENTON 2 E	MAX	85	89	94	87	79	75	76	71	83	86	86	81	82	90	85	70	72	73	77	86	87	82	85	93	86	85	65	56	63	68	79.9	
	MIN	56	54	66	64	51	47	39	41	41	61	59	64	56	67	61	41	38	52	50	50	56	42	53	61	63	63	38	38	49	46	52.2	
ROYAL OAK 2 SSW	MAX	84	89	94	87	76	72	75	80	83	85	84	83	83	88	80	71	73	74	75	84	81	79	82	88	87	80	66	57	62	70	79.1	
	MIN	59	58	71	66	54	50	43	46	52	64	61	66	60	68	65	48	42	43	43	56	60	52	57	65	67	65	47	44	51	52	55.8	
VIENNA	MAX	88	87	95	95	76	74	76	78	82	83	85	84	82	84	85	80	72	72	77	82	84	84	82	88	87	86	68	67	64	65	80.4	
	OBS																																
	MIN	62	59	59	59	56	52	44	46	51	63	67	68	62	71	62	59	42	45	40	54	63	50	50	66	70	67	44	46	61	51	56.3	
	OBS					68										51									50								
LOWER SOUTHERN 03																																	
LA PLATA 1 W	MAX																																M
	MIN																																M
PATUXENT RIVER	MAX	82	92	96	73	77	72	75	78	81	82	81	81	81	84	75	68	71	71	76	87	80	78	86	85	86	86	63	56	61	68	77.7	
	MIN	63	62	69	65	60	55	56	51	64	68	68	67	68	70	58	53	54	51	47	58	64	64	57	68	64	57	57	48	54	53	59.8	
UPPER SOUTHERN 04																																	
ANNAPOLIS POLICE BRKS	MAX	86	87	93	92	76	75	74	77	80	83	82	82	81	85	82	71	69	71	78	84	84	78	83	85	86	85	78	60	61	66	79.1	
	MIN	61	62	72	65	56	58	51	54	63	67	63	68	67	72	46	49	49	49	49	49	49	58	58	58	59	65	49	46	49	49	57.3	
BALTIMORE WSO AP	MAX	79	89	92	70	74	72	72	75	78	80	80	73	80	86	71	67	68	69	76	84	80	78	83	89	86	74	59	49	62	65	75.3	
	MIN	56	60	68	61	54	52	46	48	51	60	59	62	61	67	52	47	44	45	44	53	55	53	56	66	68	52	44	44	49	48	54.2	
BELTSVILLE	MAX	82	83	90	92	70	76	73	74	76	79	80	80	75	79	87	72	68	70	71	77	84	81	80	83	90	87	74	58	50	61	76.7	
	MIN	54	57	65	68	51	50	43	46	49	60	57	63	60	65	63	42	41	41	41	48	57	54	53	64	67	63	39	43	44	43	53.0	
COLLEGE PARK	MAX	87	82	92	95	71	76	73	75	77	81	84	83	76	81	89	72	69	72	72	78	86	82	83	84	92	89	75	59	50	62	78.2	
	MIN	57	60	66	69	54	54	45	48	50	63	60	66	61	68	64	45	43	45	48	52	60	57	58	67	68	69	43	44	44	48	55.9	
DALECARLIA RESVR D C	MAX	83	90	92	85	75	72	75	77	80	83	83	82	80	86	84	69	70	72	84	78	83	80	86	99	87	85	69	56	66	67	79.3	
	MIN	53	59	64	65	56	51	60	48	65	61	68	63	57	64	55	43	55	44	49	55		55	60	57	66	54	40	37	45	49	55.1	
	OBS																																
GLENN DALE BELL STN	MAX	86	89	94	91	74	73	74	75	79	80	83	80	80	89	87	72	70	72	78	82	83	82	83	90	88	85	66	56	61	68	79.0	
	MIN	57	52	65	61	48	48	40	43	46	58	55	61	56	59		47	36	40	38	38	54	51	53	60	65	60	35	42	42	39	50.0	
LAUREL 3 W	MAX	86	91	93	71	75	74	76	76	79	81	82	75	81	88	74	68	72	74	72	85	82	81	84	91	90	74	59	50	62	68	77.1	
	MIN	59	60	66	62	54	54	49	57	52	62	59	62	57	67	54	44	49	45	58	57	56	57	57	66	68	51	44	45	46	46	55.4	
NATIONAL ARBORETUM D C	MAX	87	82	90	93	72	75	74	74	78	79	83	83	76	80	88	73	68	71	73	78	85	82	83	85	91	89	88	59	50	61	78.3	
	OBS																																
	MIN	56	59	60	65	51	51	44	44	49	51	59	61	59	60	63	44	40	40	42	43	52	55	54	58	65	61	43	42	42	47	52.0	
	OBS																																

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STATION		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	
UPPER MARLBORO 3 NNW	MAX	85	81	90	93	70	75	74	73	76	80	82	82	76	80	88	72	68	68	72	77	84	82	80	84	89	88	74	59	51	60	77.1	
	MIN	53	53	59	67	52	49	42	45	46	50	58	62	58	62	65	42	40	41	40	46	52	53	53	58	65	63	38	42	44	47	51.5	
NORTHERN EASTERN SHORE 05																																	
CENTREVILLE	MAX	89	87	93	84	82	73	77	79	83	80	82	80	82	89	87	80	80	79	78	81	83	85	84	90	87	75	66	67	69	68	80.6	
	MIN	68	58	69	64	53	48	49	47	44	61	59	65	58	67	56	42	49	45	41	49	47	50	55	64	64	64	43	44	41	43	53.6	
	OBS																																
CHESTERTOWN	MAX	80	86	92	71	76	72	74	80	82	83	82	74	85	88	73	69	72	73	77	83	81	82	83	90	87	74	64	51	65	68	77.2	
	MIN	60	60	69	64	54	50	46	49	52	61	60	62	62	70	53	44	45	44	45	55	57	55	60	68	66	54	44	44	51	47	55.0	
NORTHERN CENTRAL 06																																	
ABERDEEN PHILLIPS FLD	MAX				70	73	73	72			81	81	79	81	84			70	71	76	85	83			87	87	85	69	59			M	
	MIN	62	58	66	64	43	50	43	47	48	57	58	68	56	68	59	44	50	45	45	54	54	52	56	68	65	64	41	43	46	48	54.1	
	OBS	*****							*****														***							*****			
BALTIMORE WSO CI	MAX	82	93	95	70	74	72	74	77	80	81	80	75	81	88	71	70	72	72	80	87	83	79	86	89	90	75	59	49	61	67	77.1	
	MIN	64	67	70	62	57	56	53	56	59	66	64	67	63	70	52	48	50	50	51	60	65	58	61	69	72	53	46	41	48	49	58.2	
BENSON POLICE BARRACKS	MAX	83	86	90	85	76	73	75	78	79	80	81	80	81	84	81	70	73	74	78	85	85	81	83	89	88	86	69	55	64	69	78.7	
	MIN	56	56	61	58	50	48	42	47	50	59	57	63	54	67	55	41	44	42	41	52	53	48	54	63	64	60	39	39	44	42	51.6	
BOYDS 2 NW	MAX	80	87	90	88	71	70	72	75	78	80	81	79	80	85	81	69	69	70	77	84	80	79	85	88	85	84	61	59	59	67	77.1	
	MIN	57	59	60	63	53	50	45	50	52	62	60	64	58	65	58	40	45	45	45	53	64	57	57	62	57	59	38	41	45	45	53.6	
CATOCTIN MOUNTAIN PARK	MAX	72	81	81	74	66	64	65	68	69	74	77	76	75	76	77	59	61	63	71	76	73	74	76	77	77	75	62	58	52	56	70.2	
	MIN	56	60	70	60	56	52	47	51	54	60	62	60	56	65	55	41	45	46	48	58	58	57	57	65	65	51	41	37	42	43	53.9	
CLARKSVILLE 3 NNE	MAX	91	90	94	78	74	70	73	75	80	80	81	80	80	88	85	68	69	70	78	86	79	80	87	91	87	85	65	55	62	66	78.2	
	MIN	50	56	63	62	48	49	40	44	47	59	57	62	54	64	59	39	37	39	38	45	53	48	50	63	65	59	34	42	44	49	50.6	
CONOWINGO DAM	MAX	81	82	91	90	73	71	73	75	78	80	80	77	78	84	70	67	70	71	77	83	78	78	81	85	83	73	60	51	63	67	75.7	
	MIN	53	60	63	60	52	50	45	48	51	59	60	61	56	68	55	45	43	44	46	51	56	50	57	64	65	53	46	43	49	47	53.3	
DAMASCUS 2 SW	MAX	76	86	87	68	71	69	71	74	78	80	82	76	80	83	73	65	68	69	74	83	78	79	84	86	83	73	58	48	59	65	74.2	
	MIN	56	59	66	61	49	48	46	49	54	61	61	64	56	67	57	39	46	45	45	54	61	57	58	65	67	58	38	45	45	42	54.0	
EMMITSBURG 2 SE	MAX	80	84	87	84	71	70	71	73	76	79	80	81	81	82	80	64	68	69	77	82	81	78	84	85	85	83	68	54	59	64	76.0	
	MIN	51	55	65	61	45	45	39	43	45	59	59	60	52	52	54	37	35	38	37	43	55	46	46	62	66	60	35	38	43	39	48.8	
FREDRICK POLICE BRKS	MAX	81	86	90	78	73	72	73	75	77	82	80	81	82	85	81	65	69	70	76	84	83	80	85	88	86	84	69	54	60	65	77.1	
	MIN	59	62	69	67	52	50	45	48	52	64	64	65	59	66	58	44	42	45	43	54	63	56	58	67	70	67	41	42	45	44	55.4	
PARKTON 2 SW 11	MAX	78	84	88	67	70	69	70	72	74	80	80	78	79	84	67	65	68	69	75	82	77	77	82	85	84	70	56	47	62	65	73.5	
	MIN	50	54	62	52	47	45	42	44	47	55	57	56	53	64	47	38	41	39	40	49	50	46	53	63	63	48	34	38	44	39	48.7	
ROCKVILLE 1 NE	MAX	79	90	92	70	72	72	74	76	78	83	84	77	82	87	72	66	69	71	76	84	82	81	85	89	86	76	56	48	61	66	76.1	
	MIN	61	62	70	62	56	51	45	49	54	65	61	63	60	70	52	44	43	44	42	56	60	57	62	69	70	50	42	43	48	48	55.3	
TOWSON	MAX	79	88	90	78	73	70	73	74	78	81	80	80	81	84	79	68	71	71	77	85	83	80	84	88	86	83	68	56	62	67	77.2	
	MIN	56	59	63	58	53	51	47	50	54	58	65	65	57	61	56	44	45	45	45	45	55	51	53	64	65	60	40	40	48		53.6	
	OBS																62						74	72	78	45	45	83		59			
UNIONVILLE	MAX	79	86	88	75	70	74	73	75	81	80	81	80	81	84	77	65	69	71	76	82	78	80	83	88	83	80	58	54	60	67	75.9	
	MIN	49	54	60	61	44	44	38	43	46	47	57	61	53	62	57	37	34	37	36	44	52	46	51	63	63	56	32	40	40	37	48.1	
WESTMINSTER POLICE BRK	MAX	80	85	87	83	75	69	71	69	76	79	81	81	81	82	78	66	67	69	74	81	81	77	82	86	86	83	66	54	59	65	75.8	
	MIN	57	60	71	60	52	48	45	48	51	61	62	63	56	67	55	42	45	45	45	59	61	53	57	58	68	60	39	39	42	45	53.8	
WOODSTOCK	MAX	80	85	90	73	74	72	73	75	77	80	82	78	81	85	79	68	70	71	78	85	80	80	85	88	87	81	66	54	60	67	76.8	
	MIN	53	57	65	62	50	50	42	45	50	60	58	64	56	65	59	40	42	41	41	48	56	50	54	64	66	62	39	41	46	45	52.4	
APPALACHIAN MOUNTAIN 07																																	
CUMBERLAND 2	MAX	79	93	90	74	74	73	75	77	77	83	89	86	89	86	78	68	70	73	80	86	82	85	87	86	86	82	61	47	61	57	77.8	
	MIN	55	57	63	49	46	42	44	49	49	49	58	54	54	59	42	38	38	40	40	49	53	53	57	64	65	55	40	40	40	40	49.4	
	OBS																																
FROSTBURG 2	MAX	72	72	85	80	64	65	65	69	70	72	77	82	75	82	75	59	58	61	65	72	78	74	79	80	78	79	58	46	43	55	69.7	
	MIN	48	42	45	58	45	43	36	41	42	42																						

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		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	MAX	79	88	89	81	71	71	73	74	77	82	83	79	82	81	78	66	69	71	79	86	83	80	86	84	85	80	65	51	59	63	76.5	
	MIN	56	60	66	62	48	46	43	56	55	64	62	64	56	64	56	41	39	42	43	52	61	55	59	66	67	60	39	40	45	41	53.6	
HANCOCK FRUIT LAB	MAX	78	90	90	81	77	71	72	74	74	82	85	85	84	84	76	67	66	69	77	85	84	82	84	85	85	83	65	55	59	62	77.0	
	MIN	50	56	63	69	45	41	39	47	45	59	57	64	50	61	58	39	35	39	37	45	56	49	52	58	64	59	34	40	46	36	49.8	
ALLEGHENY PLATEAU 08																																	
MC HENRY 2 NW	MAX	72	72	82	75	74	64	65	73	70	73	77	82	75	83	72	58	57	62	66	72	76	80	82	78	77	76	56	56	55	56	70.5	
	MIN	51	52	52	53	45	43	43	45	49	52	53	53	56	56	52	36	38	39	42	45	50	54	54	57	57	52	35	35	34	36	47.3	
OAKLAND 1 SE	MAX	75	85	80	68	65	64	72	71	75	76	81	80	85	84	74	72	61	66	72	77	78	81	81	80	77	76	57	46	58	55	72.4	
	MIN	45	47	59	55	44	40	34	42	40	43	47	57	49	49	36	35	29	36	33	33	48	46	43	44	57	47	31	37	42	33	42.7	
SAVAGE RIVER DAM	MAX	75	75	87	81	67	70	70	70	74	77	77	86	81	84	80	64	62	65	69	76	81	80	82	84	81	83	62	51	54	59	73.6	
	MIN	48	49	50	59	47	41	38	38	48	47	48	52	50	51	57	40	33	33	38	39	46	49	50	53	57	57	34	34	37	35	45.3	
DELAWARE																																	
NORTHERN 01																																	
MIDDLETOWN 1 WSW	MAX	83	86	90	86	75	72	72	77	79	84	81	79	81	87	85	66	70	74	77	84	82	80	83	89	88	84	73	59	62	68	78.5	
	MIN	54	54	60	61	50	46	40	43	44	55	62	62	54	64	57	40	42	41	40	52	58	47	53	64	62	63	39	42	47	54	51.7	
NEWARK UNIVERSITY FARM	MAX	82	85	90	84	77	70	72	75	78	81	81	78	82	85	73	67	69	72	75	82	80	79	83	87	85	82	74	61	64	68	77.4	
	MIN	60	56	62	62	52	47	42	44	46	57	53	64	54	69	57	43	43	42	42	53	58	49	54	64	65	62	42	42	48	47	52.6	
WILMINGTON WSO AP	MAX	80	82	90	70	74	71	72	74	76	81	79	77	78	85	71	68	70	70	75	82	78	76	83	85	85	73	60	51	66	67	75.0	
	MIN	58	58	64	58	52	48	43	47	50	60	59	61	55	67	49	40	44	43	44	54	55	50	56	66	66	48	38	42	49	46	52.3	
WILMGTON PORTER RESVR	MAX	79	80	88	70	71	69	71	73	77	81	79	77	79	84	70	65	68	70	74	81	77	78	81	86	86	72	59	59	64	66	74.5	
	MIN	59	60	57	63	55	52	47	49	52	62	60	62	58	69	52	43	48	46	48	55	59	53	62	66	68	52	43	42	49	50	54.7	
SOUTHERN 02																																	
BRIDGEVILLE 1 NW	MAX	85	89	94	89	78	74	76	78	84	85	86	83	80	89	84	71	72	72	77	85	85	83	85	90	86	83	67	59	62	66	79.9	
	MIN	56	53	61	63	51	46	39	40	44	59	60	61	55	65	60	41	38	41	40	52	60	48	51	62	64	65	40	46	52	50	52.1	
DOVER	MAX	87	86	94	92	76	76	74	75	78	82	82	82	82	89	87	69	71	71	72	83	84	80	85	86	87	85	68	61	62	67	79.1	
	MIN	60	59	67	65	55	54	49	47	49	66	61	64	62	69	60	44	45	47	45	61	63	59	57	66	66	65	47	44	49	52	56.6	
GEORGETOWN 5 SW	MAX	86	80	82	94	74	77	72	84	81	81	84	86	78	81	84	73	67	70	71	77	85	81	83	83	90	89	86	64	58	60	78.7	
	MIN	58	54	67	68	55	49	40	53	55	55	62	66	55	66	64	43	38	38	37	48	59	46	52	54	63	67	42	47	48	49	53.3	
LEWES	MAX	83	89	93	88	74	73	72	76	79	84	81	80	78	87	82	72	70	72	74	85	83	77	86	86	87	83	67	59	62	66	78.3	
	MIN	61	57	72	67	64	59	57	48	56	66	67	68	64	70	63	54	51	50	44	57	65	50	58	65	67	65	52	49	55	57	59.3	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

EVAPORATION AND WIND

MARYLAND AND
DELAWARE
SEPTEMBER 1984

STATION		DAY OF MONTH																															SEPTEMBER 1984	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	20	15	26	35	9	17	20	30	49	52	32	25	37	26	26	84	32	34	26	30	38	39	43	30	24	20	77	50	63	62	1071		
	EVAP	27	27	12	25	5	18	19	19	23	18	9	12	9	8	9	22	17	18	16	17	21	23	24	14	20	14	16	7	-	10	4.958		
	MAX	91	84	93	94	71	83	82	82	82	80	82	87	75	83	90	75	75	78	79	82	85	85	88	91	87	70	60	50	77	80.9			
	MIN	61	64	65	70	58	56	51	52	55	59	62	63	63	64	67	48	48	48	48	49	56	60	59	59	67	67	45	43	45	45	56.6		
UPPER MARLBORO 3 NNW																																		
	WIND	9	7	7	4	7	8	16	6	11	9	3	0	24	3	6	24	9	14	4	3	7	9	7	12	2	2	24	11	20	49	317		
	EVAP	-	16	17	21	8	15	17	16	14	16	4	5	11	5	14	15	14	14	11	14	14	16	15	13	10	12	12	4	*	3	3.588		
	MAX	88	82	90	93	72	80	78	80	80	81	82	81	76	79	92	76	74	75	77	79	83	83	82	85	88	85	69	59	58	58	78.8		
	MIN	62	61	64	72	60	60	55	54	56	58	56	57	56	55	71	52	51	51	53	53	59	62	61	63	69	69	48	46	47	51	57.7		
ALLEGHENY PLATEAU 08																																		
SAVAGE RIVER DAM	WIND	41	23	16	28	30	33	24	21	25	22	17	16	13	18	24	49	35	25	20	23	31	12	18	*	*	57	62	40	25	23	771		
	EVAP	20	17	25	3	10	5	25	4	18	23	10	10	1	28	11	12	2	13	13	3	28	7	5	11	25	9	4	14	4	7	3.67		
	MAX	80	71	86	78	74	73	77	76	80	82	71	85	80	84	75	62	64	72	75	76	80	81	80	80	75	79	64	48	55	55	73.9		
	MIN	56	55	55	62	53	51	47	48	65	54	54	58	58	58	62	46	42	41	45	47	53	58	58	59	62	62	42	40	40	41	52.4		
DELAWARE																																		
NORTHERN 01																																		
NEWARK UNIVERSITY FARM	WIND	27	10	10	24	27	26	12	15	15	15	8	19	14	16	30	24	18	12	14	15	21	11	13	9	8	29	*	43	23	29	537		
	EVAP	-	9	13	16	5	35	-	-	14	12	6	12	14	5	12	18	10	14	15	6	19	13	11	16	6	12	12	0	2	12	3.548		
	MAX	85	81	91	89	76	76	76	78	81	74	80	78	81	86	81	71	74	72	76	82	77	76	83	84	83	82	67	63	62	67	77.7		
	MIN	58	60	66	67	55	53	50	53	54	62	62	66	58	69	62	47	48	49	53	56	60	54	58	65	66	64	44	44	47	47	56.6		
SOUTHERN 02																																		
GEORGETOWN 5 SW	WIND	66	49	56	78	55	41	55	35	38	47	62	39	49	49	48	90	65	48	41	34	69	25	59	80	31	52	95	118	41	87	1802		
	EVAP	30	25	22	29	11	16	23	19	24	18	21	15	14	7	11	19	21	20	14	20	25	22	23	24	18	18	22	8	*	12	5.51		
	MAX	91	84	90	96	76	82	79	84	82	85	89	90	81	81	86	84	75	78	75	80	85	86	86	86	92	87	83	64	64	62	82.1		
	MIN	62	61	66	72	60	58	52	52	54	66	67	71	63	64	81	48	47	52	50	51	58	58	56	58	69	70	47	48	51	53	58.8		

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

SNOWFALL AND SNOW ON GROUND (INCHES)

MARYLAND AND
DELAWARE
SEPTEMBER 1984

STATION		DAY OF MONTH																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MARYLAND	07	SNOWFALL SN ON GND																															
APPALACHIAN MOUNTAIN																																	
FROSTBURG 2																																	
DELAWARE																																	

SNOWFALL: INCLUDES SNOW AND ICE
 SNOW ON GROUND: INCLUDES SNOW, SLEET, ICE AND HAIL
 WATER EQUIVALENT: GIVEN FOR NWS STATIONS ONLY, WHEN SNOW DEPTH IS 2 INCHES OR MORE.
 SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
SEPTEMBER 1984

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	25	17	17		H H	ANNAPOLIS POLICE BRKS	
ASSATEAGUE STATE PARK	033501		WORCESTER	38 14	75 8W	7	17	17		H H	ASSATEAGUE STATE PARK	
BALTIMORE WSO AP	004650		ANNE ARUNDEL	39 11	76 40W	196	MID	MID		C H J	NATL WEATHER SERVICE	
BALTIMORE WSO CI	004700		BALTO CITY	39 17	76 37W	91	MID	MID		C C	OCMI COMMANDING OFFICER	
BELTSVILLE	070004		PRN GEORGES	39 2	76 53W	120	8	8		B C H	U S DEPT OF AGRICULTURE	
BENSON POLICE BARRACKS	073206		HARFORD	39 30	76 23W	365	17	17				MARYLAND STATE POLICE
BOYDS 2 NW	103206		MONTGOMERY	39 13	77 20W	580	18	18				HUNTER F STALEY
BRIGHTON DAM	112506		MONTGOMERY	39 12	77 1W	330		MID				WASH SUB SANY COMM
CAMBRIDGE MTR TRMT PL	138502		DORCHESTER	38 34	76 4W	5	16	16		C H	WASTEWATER TRMT PLANT	
CATOCTIN MOUNTAIN PARK	153006		FREDERICK	39 39	77 29W	1610	17	17		C H	CATOCTIN MOUNTAIN PARK	
CENTREVILLE	162705		QUEEN ANNES	39 3	76 4W	60	17	17		H H	MICHAEL B CATE	
CHESTERTOWN	175005		KENT	39 13	76 4W	40	23	23		H H	THOMAS W ELIASON JR	
CLARKSVILLE 3 NNE	186206		HOWARD	39 15	76 56W	365	17	17				UNIVERSITY OF MARYLAND
COLLEGE PARK	199504		PRN GEORGES	38 59	76 57W	90	9	9		C H	UNIVERSITY OF MARYLAND	
CONOWINGO DAM	206006		HARFORD	39 39	76 10W	40	MID	MID		H H	SUSQUEHANNA ELECTRIC CO	
CRISFIELD SOMERS COVE	221501		SOMERSET	37 59	75 52W	8	17	17				INACTIVE 03/31/83
CUMBERLAND 2	228207		ALLEGANY	39 38	78 45W	730	18	7		H	TIMOTHY B THOMAS	
DALECARLIA RESVR D C	232504			38 56	77 7W	146	17	17				U S CORPS OF ENGINEERS
DAMASCUS 2 SW	233506		MONTGOMERY	39 16	77 14W	720	19	19		H	RICHARD W SCHWERDT	
DENTON 2 E	252302		CAROLINE	38 53	75 48W	50	17	17		H	ARTHUR REINHOLD	
EDGEMONT	277007		WASHINGTON	39 40	77 33W	905						JOHN W HARNE
EMMITSBURG 2 SE	290606		FREDERICK	39 41	77 18W	416	17	17		H	MRS LUCILLE K BEALE	
FREDRICK POLICE BRKS	334806		FREDERICK	39 25	77 26W	380	17	17		H	MARYLAND STATE POLICE	
FREDERICK 3 E	335506		FREDERICK	39 24	77 22W	385						MISS I MARY STALEY
FROSTBURG 2	341507		ALLEGANY	39 40	78 56W	2170	7	7		H	LEE K CLOSE	
GLENN DALE BELL STN	367504		PRN GEORGES	38 58	76 48W	150	16	16		H	USDA PLT INTRODUCT STN	
HAGERSTOWN	397507		WASHINGTON	39 39	77 44W	660	18	18				HAGERSTOWN RESERVOIR
HANCOCK FRUIT LAB	403007		WASHINGTON	39 42	78 11W	428	16	16		C H	SHARPSBURG RESEARCH C	
LA PLATA 1 W	508003		CHARLES	38 32	77 0W	140	18	18		H	C RUSSELL LEVERING	
LAUREL 3 W	511104		PRN GEORGES	39 6	76 54W	400	MID	MID		C H	WASH SUB SANY COMM	
MC HENRY 2 NW	583208		GARRETT	39 35	79 22W	2680	8	8		C H	JOSEPH F JOHENNING	
MECHANICSVILLE 1 SE	586503		ST MARYS	38 26	76 43W	160	17	17				INACTIVE 08/01/84
MERRILL	589408		GARRETT	39 36	79 5W	1790		9				DELWOOD E MERRILL
MILLINGTON 2 WNW	598505		KENT	39 16	75 52W	30	17	17		H	INACTIVE 06/25/84	
NATIONAL ARBORETUM D C	635004			38 54	76 59W	50	8	8		H	U S NATL ARBORETUM	
OAKLAND 1 SE	662008		GARRETT	39 24	79 24W	2420	17	17		H	BEA J CROSCO	
OWINGS FERRY LANDING	677003		CALVERT	38 41	76 40W	160	17	17		H	INACTIVE 08/01/84	
PARKTON 2 SW	684406		BALTIMORE	39 38	76 42W	600	23	23		C H	JOHN R FOX	
PATUXENT RIVER	691503		ST MARY'S	38 20	76 25W	38	MID	MID		C	NAVAL WEATHER SERVICE	
POTOMAC FILTER PLANT	727206		MONTGOMERY	39 2	77 15W	270		8				POTOMAC WATER FILT PLT
PRINCESS ANNE	733001		SOMERSET	38 13	75 41W	20	17	17		H	UNIVERSITY MARYLAND EAST	
ROCKVILLE 1 NE	770506		MONTGOMERY	39 6	77 6W	440	17	17		H	WASH GAS & LIGHT CO	
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 AP	800501		WICOMICO	38 20	75 31W	48	MID	MID		H	FAA	
SAVAGE RIVER DAM	806508		GARRETT	39 31	79 8W	1495	8	8		B C H	U S CORPS OF ENGINEERS	
SNOW HILL 4 N	838001		WORCESTER	38 14	75 23W	28	18	18		H	CURTIS E SHOCKLEY	
TOWSON	887706		BALTIMORE	39 23	76 34W	390	18	18		C	BENDIX FRIEZ	
UNIONVILLE	903006		FREDERICK	39 27	77 11W	430	18	18		C H	GEORGE P VON EIFF JR	
UPPER HARLBORO 3 NNW	907004		PRN GEORGES	38 52	76 47W	98	8	8		B H	TOBACCO EXP FARM	
VIENNA	914002		DORCHESTER	38 29	75 50W	12	18	18		H	DELMARVA POWER & LIGHT	
WESTMINSTER POLICE BRK	944006		CARROLL	39 33	76 58W	765	17	17				MARYLAND STATE POLICE

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
SEPTEMBER 1984

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER
							LOCAL STD TIME				
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)	
WOODSTOCK	9750	06	BALTIMORE	39 20	76 52W	460	18	18		H	JOHN A HILTZ
DELAWARE											
BRIDGEVILLE 1 NW	1330	02	SUSSEX	38 45	75 37W	50	17	17		H	WILLIAM M RAY
DOVER	2730	02	KENT	39 39	75 31W	30	17	17		H	STATE DIV OF HIGHWAYS
GEORGETOWN 5 SW	3570	02	SUSSEX	38 38	75 27W	45	8	8	8C	H	UNIV OF DEL SUBSTATION
LEWES	5320	02	SUSSEX	38 46	75 8W	15	17	17		H	BOARD OF PUBLIC WORKS
MIDDLETOWN 1 WSW	5852	01	NEW CASTLE	39 26	75 45W	60	16	16		H	PIONEER HIBRED CORN CO
MILFORD 2 WSW	5915	02	SUSSEX	38 54	75 28W	30	17	17		H	INACTIVE 04/30/84
NEWARK UNIVERSITY FARM	6410	01	NEW CASTLE	39 40	75 44W	90	17	17	17C	H	UNIV OF DELAWARE
WILMINGTON WSO AP	R 9595	01	NEW CASTLE	39 40	75 36W	79	MID	MID		C HJ	NATL WEATHER SERVICE
WILMGTN PORTER RESVR	9605	01	NEW CASTLE	39 46	75 32W	274	MID	MID		H	WATER DEPARTMENT

SEE REFERENCE NOTES FOLLOWING STATION INDEX

REFERENCE NOTES

MARYLAND AND
DELAWARE
SEPTEMBER 1984

DEFINITIONS

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.

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.

PRECIPITATION: Values shown in inches to hundredths 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 inches to tenths 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.

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.

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.

DIVISIONS: Areas within a state of similar climatological characteristics.

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.

LETTERS AND SYMBOLS USED IN THE STATION INDEX TABLE

R Amounts from recording gage.
// 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 gage unless indicated by an R.
G Observations appear in "Soil Temperatures" table.
J Station also published as a Local Climatological Data publication.
H Observations appear in "Snowfall and Snow on Ground" table.
MID Observation time is midnight.
SR Observation time near sunrise.
SS Observation time near sunset.
VAR Observation time varies.
MO Gage read once monthly, usually the last day.
OC Gage readings vary from a few weeks to several months.
WI Gage read weekly or irregularly.
WM Gage read weekly and last day of month.
Thermometers located in a rooftop shelter.

LETTERS AND SYMBOLS USED IN THE DATA TABLES

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.
* Gage not read. Precipitation is included in the amount following the asterisks. Time distribution not known. An * preceding the monthly total indicates precipitation amount is being carried forward to next months total, and may include amounts from the previous month(s).
V Includes total for previous month(s). (See * above)
// 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 gage.
I Trace. An amount too small to measure.

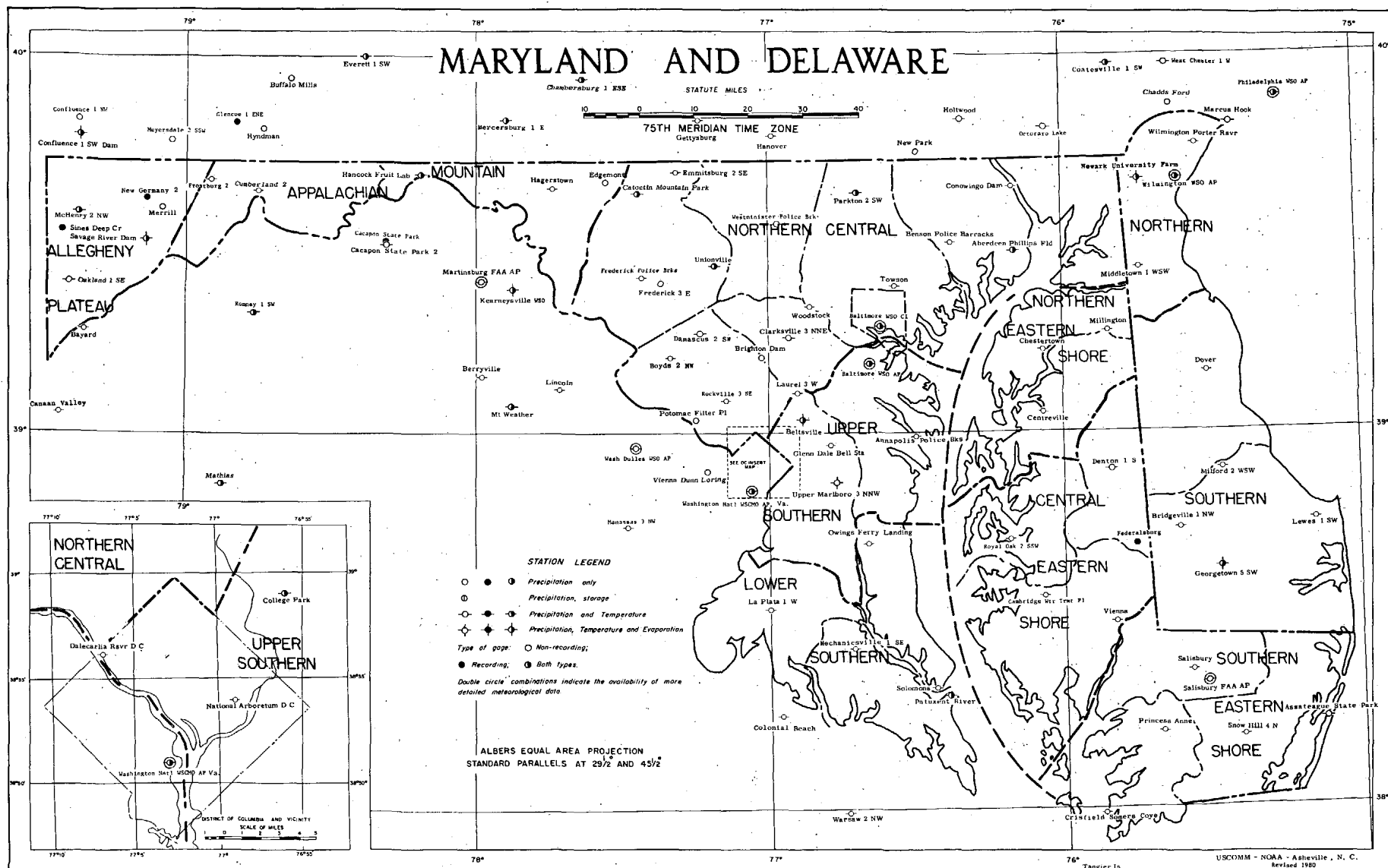
Additional Information regarding the climate of this state may be obtained by writing to the National Climatic Data Center, Federal Building, Asheville, N. C. 28801, or to any Weather Service Office near you. Additional precipitation data are contained in the "Hourly Precipitation Data" bulletin for each state, except Alaska.

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

Information concerning the history of changes in locations, exposure, etc. of substations through 1955 is available in the "Substation History" publication. Subsequent historical information is kept on file at the National Climatic Data Center. Similar information for regular National Weather Service Offices may be obtained from the "Local Climatological Data" annual publication.

SUBSCRIPTION, PRICE AND ORDERING INFORMATION AVAILABLE FROM:
THE NATIONAL CLIMATIC DATA CENTER, FEDERAL BUILDING,
ASHEVILLE, N.C. 28801 (ATTN: PUBLICATIONS)

USCOMM-NOAA-ASHEVILLE, N.C. SEPTEMBER 1984-0895



CLIMATE PUBLICATIONS AVAILABLE FROM THE NATIONAL CLIMATIC DATA CENTER, ASHEVILLE, N.C.

COMPARATIVE CLIMATIC DATA

Presents tables of monthly and annual averages, totals or extreme climate conditions for approximately 300 major population centers. This publication is particularly helpful for comparing temperature, rainfall, snowfall, wind velocities, sunshine, cloudiness and relative humidities for the principal cities. The cities are listed alphabetically by state in two sections: observed data and climatological normals. This is an annual publication.

STORM DATA

Monthly issue presents a chronological listing, by states, of occurrences of storms and unusual weather phenomena, together with data on the paths of individual storms, deaths, injuries, and estimated property damage, and a brief narrative description of each event. A new section in the bulletin entitled "OUTSTANDING STORMS OF THE MONTH" highlights severe weather and includes descriptive photographs of storms, their tracks, and analyzed maps. The December issue includes annual summaries of tornadoes and lightning and North Atlantic tropical cyclones.

MONTHLY CLIMATIC DATA FOR THE WORLD

Contains monthly means of temperature, pressure, precipitation, vapor pressure and sunshine for about 2,500 surface data stations worldwide. Also contains monthly mean upper air temperatures, dew point depressions and wind velocities for ten standard levels.

LOCAL CLIMATOLOGICAL DATA

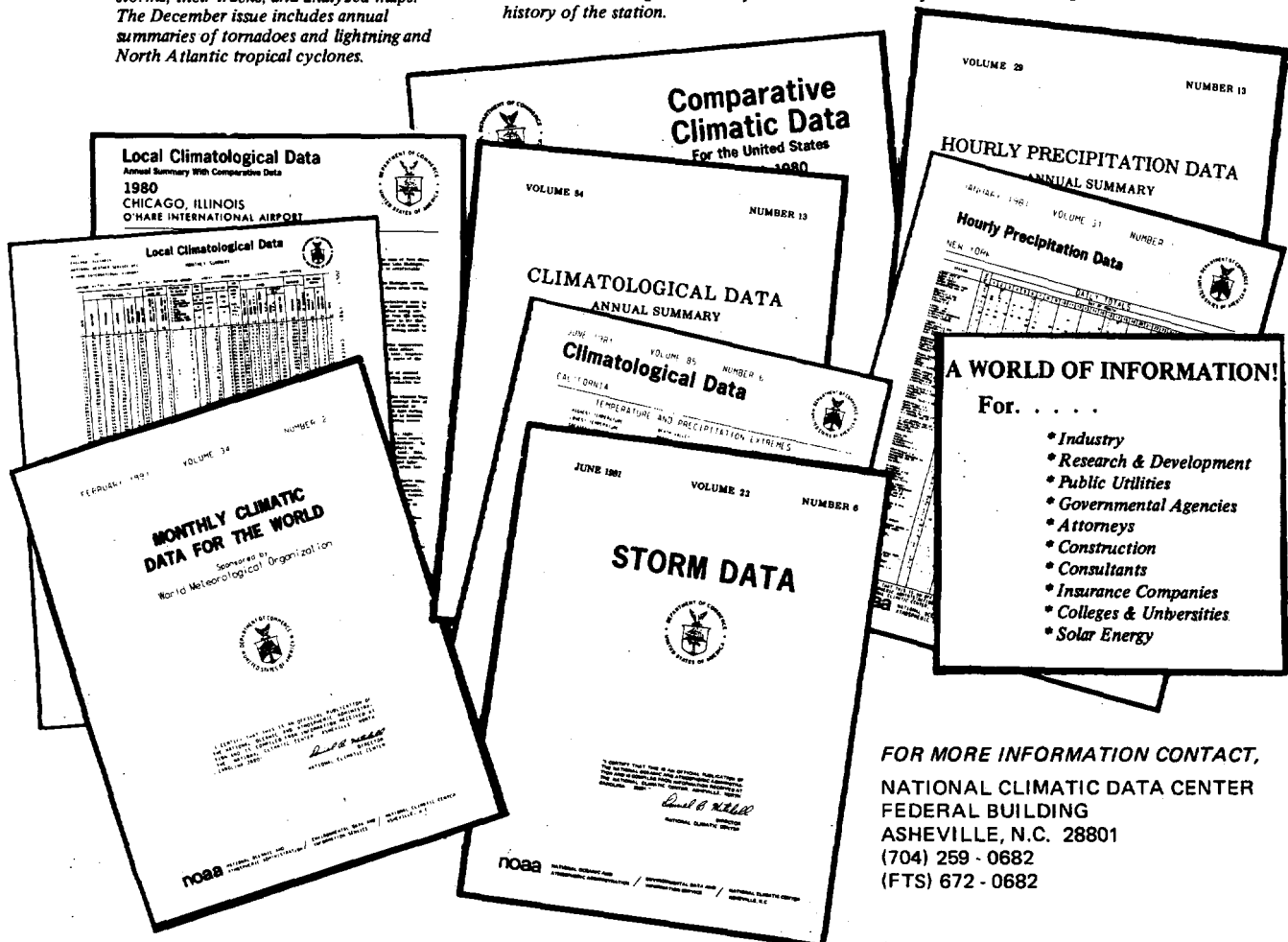
Published monthly for each first-order station. Presents daily maximum and minimum temperatures, degree day data, precipitation, station pressures, wind statistics, sunshine and sky cover data, as well as 3-hourly data for certain parameters. An annual issue is available summarizing monthly data and including up to 40 years record, and featuring a narrative climatological summary and history of the station.

CLIMATOLOGICAL DATA

Published monthly for each state. Gives daily temperature and precipitation records, and monthly averages and totals, with departures from normal when available. Also derived statistics such as heating and cooling degree days, counts of days equaling or exceeding given temperature and precipitation thresholds, extremes, etc., are published for cooperative and first-order stations. Evaporation and soil temperature data are given for reporting stations. Seasonal snowfall, heating and cooling degree day tables included in selected tables. Annual summary also available.

HOURLY PRECIPITATION DATA

Monthly issue presents daily, hourly and maximum short duration data for the recording gage stations for each state except Alaska. The annual issue tabulates monthly and annual totals, and annual maximum precipitation data by selected time categories.



FOR MORE INFORMATION CONTACT,
NATIONAL CLIMATIC DATA CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801
(704) 259-0682
(FTS) 672-0682

NOTE

A SMALL GROUP OF STATIONS THAT SUPPLIED METEOROLOGICAL DATA IN 1983 DID NOT APPEAR IN THE 1983 ANNUAL CLIMATOLOGICAL DATA PUBLICATION. THERE WERE ALSO A FEW ERRORS IN DIVISIONAL DATA VALUES. THE MISSING DATA AND CORRECTIONS WILL BE PUBLISHED IN THE NEAR FUTURE.

DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
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