

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

SEPTEMBER 1983

VOLUME 87 NUMBER 9



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TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND AND
DELAWARE
SEPTEMBER 1983

MARYLAND
HIGHEST TEMPERATURE 103
LOWEST TEMPERATURE 30
GREATEST TOTAL PRECIPITATION 6.02
LEAST TOTAL PRECIPITATION 1.42
GREATEST 1 DAY PRECIPITATION 2.16

SEPTEMBER 10
SEPTEMBER 24

LA PLATA 1 W
2 STATIONS
PRINCESS ANNE
CONOWINGO DAM
PATUXENT RIVER

SEPTEMBER 21

DELAWARE
HIGHEST TEMPERATURE 100
LOWEST TEMPERATURE 36
GREATEST TOTAL PRECIPITATION 5.24
LEAST TOTAL PRECIPITATION 2.81
GREATEST 1 DAY PRECIPITATION 2.76

SEPTEMBER 11
SEPTEMBER 25

4 STATIONS
2 STATIONS
GEORGETOWN 5 SW
NEWARK UNIVERSITY FARM
WILMINGTON WSO AP R

SEPTEMBER 21

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
SEPTEMBER 1983

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
MARYLAND																								
SOUTHERN EASTERN SHORE 01																								
ASSATEAGUE STATE PARK	80.1	62.3	71.2		96	7	46	23	30	222	6	0	0	0	4.55		1.28	22	.0	0		8	3	3
PRINCESS ANNE	81.8	54.5	68.2	-.4	98	11	36	25	72	176	7	0	0	0	6.02	2.05	2.05	22	.0	0		8	5	3
SALISBURY	81.5	57.8	69.7	-.2	97	11	40	25+	63	210	7	0	0	0	4.78	1.19	1.53	22	.0	0		6	4	4
SALISBURY FAA AP	81.0	58.4	69.7	1.1	96	11	40	23	54	203	8	0	0	0	3.66	-.28	.98	21	.0	0		7	4	4
SNOW HILL 4 N	81.9	56.6	69.3	.3	99	11	35	23	70	207	10	0	0	0	3.27	-.26	1.29	22	.0	0		5	2	1
--DIVISIONAL DATA----->																								
CENTRAL EASTERN SHORE 02																								
CAMBRIDGE WTR TRMT PL	83.1	59.9	71.5	2.0	101	11	40	25	40	241	12	0	0	0	3.98	.26	1.85	22	.0	0		5	3	1
DENTON 2 E	81.6	56.5	69.1	.0	99	11	38	25+	76	205	7	0	0	0	3.95	.45	1.81	13	.0	0		6	2	2
ROYAL OAK 2 SSW	81.5	59.8	70.7	.4	97	11	44	25	44	221	6	0	0	0	3.85	.13	1.82	13	.0	0		4	3	1
VIENNA	82.1	58.2	70.2	.3	96	6	39	25	57	214	9	0	0	0	5.13	1.16	1.80	22	.0	0		5	4	2
--DIVISIONAL DATA----->																								
LOWER SOUTHERN 03																								
LA PLATA 1 W	80.4	57.4	68.9	.1	103	10	40	23	74	197	7	0	0	0	3.28	-.16	1.96	13	.0	0		4	2	1
MECHANICSVILLE 1 SE	81.8	59.2	70.5		98	11	40	23	71	242	10	0	0	0	4.27		1.00	21+	.0	0		6	4	2
OWINGS FERRY LANDING																								
PATUXENT RIVER	81.6	63.3	72.5		99	11	45	23	34	264	10	0	0	0	3.97		2.16	21	M	M		7	2	1
SOLOMONS	82.2	61.0	71.6	-.5	96	8	45	28	31	236	6	0	0	0	4.94	1.39	1.78	1	.0	0		5	4	2
--DIVISIONAL DATA----->																								
UPPER SOUTHERN 04																								
ANNAPOLIS POLICE BRKS	82.6	61.5	72.1		99	11	43	24+	44	263	10	0	0	0	2.26		.78	13	.0	0		4	3	0
BALTIMORE WSO AP	81.5	57.5	69.5	.6	100	11	39	24	70	214	10	0	0	0	1.76	-1.70	.75	21	.0	0		3	2	0
BELTSVILLE	80.9	54.7	67.8	.6	98	12+	37	25+	85	176	8	0	0	0	2.96	-.75			.0	0		4	2	0
COLLEGE PARK	82.4	57.5	70.0	.8	99	12+	38	24	62	220	10	0	0	0	2.28	-1.28	1.19	22	.0	0		3	2	1
DALECARLIA RESVR D C	82.7	57.4	70.1	.9	99	11	36	23	57	215	11	0	0	0	3.37	-.05	1.07	13	.0	0		5	3	1
GLENN DALE BELL STN	83.1	51.8	67.5	-.5	98	11	34	23	92	170	10	0	0	0	2.22	-1.44	.80	13	.0	0		5	3	0
LAUREL 3 W	82.7	56.7	69.7	.1	99	11	40	23	58	207	10	0	0	0	2.42	-.96	.99	21	.0	0		3	3	0
NATIONAL ARBORETUM D C	82.0	54.7	68.4	-1.7	99	12	37	24	76	183	9	0	0	0	2.64	-.94	1.08	14	.0	0		4	2	2
UPPER MARLBORO 3 NNW	81.6	51.4	66.5		99	12	34	25+	106	157	10	0	0	0	2.57	-1.16	.99	22	.0	0		4	2	0
--DIVISIONAL DATA----->																								
NORTHERN EASTERN SHORE 05																								
CENTREVILLE	85.2	55.5	70.4		100	11	37	24	48	215	11	0	0	0	3.36		1.05	21	.0	0		4	3	1
CHESTERTOWN	82.6	59.2	70.9	1.6	100	11	42	25	50	234	11	0	0	0	2.85	-.73	1.94	21	.0	0		3	1	1
MILLINGTON 2 NNW																			M	M				
--DIVISIONAL DATA----->																								
NORTHERN CENTRAL 06																								
ABERDEEN PHILLIPS FLD	82.6	57.5	70.1		98	12	40	25	58	216	9	0	0	0	2.09		1.19	13	.0	0		2	2	1
BALTIMORE WSO C1	82.8	63.7	73.3	1.6	101	11+	48	25+	36	292	11	0	0	0	1.78	-1.88	.95	21	M	M		3	1	0
BENSON POLICE BARRACKS	86.1	55.6	70.9	3.4	100	11+	32	25	57	236	13	0	1	0	1.55	-2.63	1.00	22	.0	0		3	1	1
BOYDS 2 NW	81.2	55.7	68.5		97	10	38	23	81	190	9	0	0	0	1.75		.66	13	.0	0		3	3	0
CATOCTIN MOUNTAIN PARK	75.1	56.5	65.8		91	11	40	24	110	141	2	0	0	0	2.97		1.22	21	.0	0		4	3	1
CLARKSVILLE 3 NNE	83.0	51.6	67.3		99	11+	33	24	101	177	10	0	0	0	2.64		.82	13	.0	0		4	4	0
CONOWINGO DAM	81.5	55.8	68.7	1.5	98	11+	39	24	73	190	9	0	0	0	1.42	-2.47	.99	21	.0	0		2	1	0

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
SEPTEMBER 1983

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	4.55								.10				1.15	1.02	.20	
PRINCESS ANNE	6.02	.87											.87	.54		
SALISBURY	4.78	.78								.11			1.20	.35		
SALISBURY FAA AP	3.66							.21	.13				.54	.27		
SNOW HILL 4 N	3.27	.43							.06			.77	.40	.34	T	
CENTRAL EASTERN SHORE 02																
CAMBRIDGE WTR TRMT PL																
DENTON 2 E	3.98								.08				.90	.40		
ROYAL OAK 2 SSW	3.95	.10	.01										1.81	.10		
VIENNA	3.85												1.82	.08		
VIENNA	5.13	1.23							.03			.41	.71			
LOWER SOUTHERN 03																
LA PLATA 1 W																
MECHANICSVILLE 1 SE	3.28												.02	1.96		
OWINGS FERRY LANDING	4.27	.30											1.00	.42		
PATUXENT RIVER	M															
SOLOMONS	3.97							.11					.15	.57	.34	
SOLOMONS	4.94	1.78							.02				.48	.70	.02	
UPPER SOUTHERN 04																
ANNAPOLIS POLICE BRKS																
BALTIMORE WSO AP	2.26													.78	.02	
BELTSVILLE	1.76								T				.01	.47		
COLLEGE PARK	2.96	.68				*		*						.12	.64	
DALECARLIA RESVR D C	2.28	T						.06						.08	.57	
GLENN DALE BELL STN	3.37	.01						.04					.44	1.07	.02	
LAUREL 3 W	2.22							.05						.80	.10	
NATIONAL ARBORETUM D C	2.42								T				T	.80		
UPPER MARLBORO 3 NNW	2.64							.02						.14	1.08	
UPPER MARLBORO 3 NNW	2.57													.28	.88	
NORTHERN EASTERN SHORE 05																
CENTREVILLE																
CHESTERTOWN	3.36	.03												.95		
MILLINGTON 2 WNW	2.85								T				T	.38		
MILLINGTON 2 WNW	M															
NORTHERN CENTRAL 06																
ABERDEEN PHILLIPS FLD																
BALTIMORE WSO CI	2.09													1.19	.07	
BENSON POLICE BARRACKS	1.78								.07				.07	.27		
BOYDS 2 NW	1.55	.03												.18	T	
BRIGHTON DAM	1.75													.66		
CATOCTIN MOUNTAIN PARK	2.04								T				.13	.31		
CLARKSVILLE 3 NNE	2.97												.46	.60	.02	
CONOWINGO DAM	2.64									T				.82	.01	
DAMASCUS 2 SW	1.42												.28	.03		
EMMITSBURG 2 SE	2.85	.01							T	T			.65	.39		
FREDRICK POLICE BRKS	2.94	.10												.72		
FREDRICK 3 E	2.00					T								.74		
FREDRICK 3 E	1.62	.10							T					.10	.37	
PARKTON 2 SW	1.57									T				.10		
POTOMAC FILTER PLANT	2.47							.02					.25	.90		
TOWSON	1.91											.08		.27		
UNIONVILLE	2.14													.71		
WESTMINSTER POLICE BRK	1.14	.12								T				.52		
WOODSTOCK	2.60													.92		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (CONT)

MARYLAND AND
DELAWARE
SEPTEMBER 1983

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			.10		.20	.07	1.28									.43
PRINCESS ANNE			.20			.25	2.05								1.13	
SALISBURY			.02			.07	1.53								.70	
SALISBURY FAA AP		.01				.98	.20							.03	.65	
SNOW HILL 4 N			.02			.03	1.29								.70	
CENTRAL EASTERN SHORE 02																
CAMBRIDGE WTR TRMT PL						.10	1.85								.65	
DENTON 2 E			.08			.16	1.27								.42	
ROYAL OAK 2 SSW						.28	.99								.68	
VIENNA				.03			1.80								.92	
LOWER SOUTHERN 03																
LA PLATA 1 W						.37	.35		T						.58	
MECHANICSVILLE 1 SE			.05			1.00	.70								.80	
OWINGS FERRY LANDING																
PATUXENT RIVER		.09				2.16		T						.13	.42	
SOLOMONS							1.42								.52	
UPPER SOUTHERN 04																
ANNAPOLIS POLICE BRKS						.22	.59								.65	
BALTIMORE WSO AP						.75									.53	
BELTSVILLE					*	*	1.11								.35	
COLLEGE PARK			T				1.19								.40	
DALECARLIA RESVR D C						.47	.67								.64	
GLENN DALE BELL STN						.10	.72								.50	
LAUREL 3 W						.99									.63	
NATIONAL ARBORETUM D C							1.05								.35	
UPPER MARLBORO 3 NNW							.99								.42	
NORTHERN EASTERN SHORE 05																
CENTREVILLE				T		1.05	.93								.40	
CHESTERTOWN						1.94	.08								.45	
MILLINGTON 2 WNW																
NORTHERN CENTRAL 06																
ABERDEEN PHILLIPS FLD					T	.06	.77									
BALTIMORE WSO CI						.95									.42	
BENSON POLICE BARRACKS						.05	1.00								.29	
BOYDS 2 NW						.52								.50	.07	
BRIGHTON DAM						1.00									.60	
CATOCTIN MOUNTAIN PARK						1.22	.06								.61	
CLARKSVILLE 3 NNE						.63	.53								.65	
CONOWINGO DAM						.99	.05								.07	
DAMASCUS 2 SW						.96	.08								.76	
EMMITSBURG 2 SE		T				1.20	.53								.39	
FREDRICK POLICE BRKS						.67	.13								.46	
FREDERICK 3 E							.96								.09	
PARKTON 2 SW						.81	.05								.34	
POTOMAC FILTER PLANT						1.10									.39	
TOWSON						.63	.47								.54	
UNIONVILLE						.49	.12								.82	
WESTMINSTER POLICE BRK							T								.50	
WOODSTOCK						.80	.26								.62	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
SEPTEMBER 1983

STATION	TOTAL	DAY OF MONTH														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
APPALACHIAN MOUNTAIN 07																
CUMBERLAND 2	2.61	.85					.07									
EDGEMONT	2.58	.47												.93	.16	
FROSTBURG 2	1.98	.55					.02	T	T					.63	.45	
HAGERSTOWN	1.94													.10	.68	
HANCOCK FRUIT LAB	1.95	.03											.14	.53		
												.26	.41			
ALLEGHENY PLATEAU 08																
MC HENRY 2 NW	2.87	.58					.13									
MERRILL	2.69	.85					.03							1.52	T	
OAKLAND 1 SE	M	-	-	-	-	-	-	-	-	-	-	-	-	1.05	.20	
SAVAGE RIVER DAM	2.02	.46					.04	T	T					.91	.21	
DELAWARE																
NORTHERN 01																
MIDDLETOWN 1 WSW	3.19								.04							
NEWARK UNIVERSITY FARM	2.81													.62		
WILMINGTON WSO AP	3.44													.67		
WILMINGTON PORTER RESVR	3.29								.14				.48	.09		
												.76	.04			
SOUTHERN 02																
BRIDGEVILLE 1 NW	3.63	.18														
DOVER	3.38	.17												1.06	.22	
GEORGETOWN 5 SW	5.24	1.11												.82	.22	
LEMES	4.09	.38	.38											.85	.77	.30
MILFORD 2 WSW	M	-	-	-	-	-	-	-	-	-	-	-	-	.60	.41	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (CONT)

MARYLAND AND
DELAWARE
SEPTEMBER 1983

STATION	DAY OF MONTH															
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
APPALACHIAN MOUNTAIN 07							.60									
CUMBERLAND 2		T					1.03									
EDGEMONT		.06					.57	T	T							
FROSTBURG 2		T				.74	.03								.50	
HAGERSTOWN						.68	T								.57	
HANCOCK FRUIT LAB																
ALLEGHENY PLATEAU 08							.45		T		T	T				
MC HENRY 2 NW					.19		.45									
MERRILL		.11					.45									
OAKLAND 1 SE																
SAVAGE RIVER DAM		.11					T	.29			T	T				
DELAWARE																
NORTHERN 01																
MIDDLETOWN 1 WSW						.63	1.90									
NEWARK UNIVERSITY FARM						1.78	.32								.04	
WILMINGTON WSO AP						2.76	.03								.08	
WILMGTON PORTER RESVR		T				2.20	.10								.05	
SOUTHERN 02																
BRIDGEVILLE 1 NW						.18	1.54								.45	
DOVER						.06	1.54								.57	
GEORGETOWN 5 SW							1.61								.60	
LEWES							1.49								.83	
MILFORD 2 WSW																

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
SEPTEMBER 1983

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	83	81	84	83	89	94	96	90	85	90	91	93	85	70	74	78	76	81	83	78	75	74	67	69	72	73	79	75	65	70		
	OBS	*****																															
	MIN	70	69	65	66	76	76	77	64	61	72	71	68	65	62	59	60	59	60	65	70	70	54	46	47	48	49	51	54	55	60	62.3	
PRINCESS ANNE	MAX	88	82	84	86	84	94	94	92	86	92	98	96	93	70	72	75	80	80	89	88	86	76	65	67	71	76	75	75	69	72	81.8	
	MIN	63	60	58	50	60	61	71	65	50	68	62	64	66	59	52	44	55	54	54	60	69	52	38	38	36	39	42	40	47	59	54.5	
SALISBURY	MAX	85	82	85	88	91	94	94	92	88	92	97	95	87	65	73	74	80	80	88	89	84	75	68	68	71	70	76	74	70	70	81.5	
	MIN	64	61	68	64	71	71	72	66	56	63	69	68	61	58	51	46	57	55	58	66	69	51	40	43	40	42	45	51	50	58	57.8	
SALISBURY FAA AP	MAX	83	79	85	88	91	95	94	85	86	92	96	95	79	65	73	74	83	82	93	90	81	67	68	70	71	72	77	75	71	71	81.0	
	MIN	64	63	67	61	72	73	75	61	56	63	63	69	63	59	52	49	59	59	59	65	63	48	40	43	43	44	47	55	54	64	58.4	
SNOW HILL 4 N	MAX	82	79	85	90	94	97	96	91	89	95	99	96	89	65	72	72	83	82	92	91	81	75	68	68	70	69	76	73	70	69	81.9	
	MIN	63	60	69	60	70	70	71	63	51	61	66	65	65	61	53	43	55	56	59	60	70	52	35	39	38	40	41	46	55	60	56.6	
CENTRAL EASTERN SHORE 02																																	
CAMBRIDGE WTR TRMT PL	MAX	86	84	86	91	92	96	98	94	90	98	101	99	93	65	73	76	80	81	92	90	86	75	66	65	71	70	77	76	72	70	83.1	
	MIN	65	63	68	63	62	72	74	70	56	68	67	70	65	59	60	50	56	58	57	65	71	55	54	52	40	41	47	58	55	56	59.9	
DENTON 2 E	MAX	85	80	87	89	94	96	93	87	89	95	99	96	84	66	72	74	82	82	90	89	83	74	62	69	71	70	78	74	70	69	81.6	
	MIN	65	62	64	63	72	72	71	61	56	63	62	70	61	55	48	44	57	53	60	60	70	51	38	39	38	40	43	51	50	56	56.5	
ROYAL OAK 2 SSW	MAX	84	83	86	88	94	95	94	88	87	94	97	95	86	67	75	75	80	80	89	88	79	72	65	67	71	70	78	77	71	69	81.5	
	MIN	65	64	64	65	71	73	72	68	58	70	68	70	61	59	52	48	64	56	64	66	65	55	50	45	44	46	48	55	53	56	59.8	
VIENNA	MAX	86	83	86	88	93	96	95	90	88	94	92	95	90	71	73	74	80	82	91	88	83	74	66	68	72	70	78	75	70	71	82.1	
	OBS	*****																															
	MIN	63	62	67	65	75	75	65	56	67	67	71	61	57	52	47	58	56	62	68	68	51	42	43	39	43	43	53	52	59	58.2		
	OBS	*****																															
LOWER SOUTHERN 03																																	
LA PLATA 1 W	MAX	81	79	83	86	90	93	92	84	89	103	97	91	80	70	74	74	83	81	91	88	85	63	64	65	70	73	75	74	65	68	80.4	
	MIN	65	63	63	65	71	71	69	63	66	62	63	66	60	58	50	47	59	53	62	65	63	51	40	41	41	43	47	54	50	52	57.4	
MECHANICSVILLE 1 SE	MAX	87	86	84	89	93	96	95	95	95	97	98	96	84	69	72	76	82	85	91	90	85	66	64	65	65	64	74	73	70	65	81.8	
	MIN	62	58	65	68	71	71	75	58	61	55	75	76	66	52	58	54	66	58	67	68	66	45	40	48	48	53	45	51	50	45	59.2	
OWINGS FERRY LANDING	MAX																																M
	MIN																																M
PATUXENT RIVER	MAX	85	80	87	91	94	98	97	83	90	97	99	92	78	67	74	76	85	80	93	91	82	66	67	66	71	71	77	75	68	68	81.6	
	MIN	69	68	70	71	76	77	75	64	63	70	72	74	64	63	63	57	64	61	71	71	59	54	45	48	52	49	53	61	58	57	63.3	
SOLOMONS	MAX	88	85			94	95	96	87			95		89	76	67	76			84	93	90	78	66			73	71	79	77	68	82.2	
	MIN	66	69			68	74	69	65			69		69	60	59	58			58	69	71	51	47			48	54	45	56	55	61.0	
UPPER SOUTHERN 04																																	
ANNAPOLIS POLICE BRKS	MAX	86	84	87	90	95	97	95	93	89	96	99	93	89	74	73	74	81	80	92	90	82	74	65	67	68	69	77	77	74	67	82.6	
	MIN	66	68	68	69	73	75	75	69	60	67	70	74	61	62	57	57	64	56	67	69	71	50	43	43	44	48	49	58	57	56	61.5	
BALTIMORE WSO AP	MAX	85	83	87	91	95	98	95	86	91	98	100	94	72	76	73	73	83	82	94	92	77	64	63	67	68	71	80	75	69	64	81.5	
	MIN	66	62	62	66	70	73	71	62	56	62	69	72	62	57	54	47	58	53	63	64	58	45	40	39	40	43	48	54	52	56	57.5	
BELTSVILLE	MAX	81	85	82	87	87	93	96	93	85	90	98	98	93	68	75	73	72	82	81	90	88	78	63	61	67	70	71	78	75	68	80.9	
	OBS	*****																															
	MIN	63	60	59	63	65	66	69	58	53	59	64	67	67	56	49	44	55	50	56	57	67	50	37	37	37	40	44	50	48	50	54.7	
	OBS	*****																															
COLLEGE PARK	MAX	81	85	84	88	90	94	99	95	86	91	99	99	95	69	75	74	75	85	83	94	91	77	65	65	68	71	73	78	75	69	82.4	
	MIN	66	63	61	65	70	71	71	61	57	61	65	70	68	58	52	47	59	52	60	61	72	51	39	38	39	43	46	54	51	54	57.5	
DALECARLIA RESVR D C	MAX	85	85	88	90	93	97	94	91	91	98	99	93	78	75	73	74	83	82	92	91	88	63	65	68	70	76	79	77	74	68	82.7	
	MIN	62	63	58	71	67	72	73	67	54	59	62	67	58	55	58	46	62	50	72	60	59	59	36	46	38	46	48	57	48	50	57.4	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
SEPTEMBER 1983

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		
GLENN DALE BELL STN	MAX MIN	88 60	86 57	87 56	86 60	92 64	96 66	95 68	91 55	89 52	97 55	98 59	96 62	92 60	73 55	74 45	75 42	83 53	83 45	92 56	90 58	88 57	72 48	63 34	68 36	71 35	72 38	79 41	79 49	74 42	65 45	83.1 51.8	
LAUREL 3 W	MAX MIN	86 62	83 61	88 57	86 67	94 68	97 74	96 72	92 61	91 60	96 61	99 71	93 67	76 57	77 54	77 49	74 48	83 63	82 55	94 57	91 58	81 57	67 46	64 40	68 41	71 42	73 46	80 48	77 58	72 48	73 52	82.7 56.7	
NATIONAL ARBORETUM D C	MAX MIN	83 63	87 62	83 60	87 61	89 67	97 69	94 64	90 56	86 56	91 56	98 63	99 68	94 68	69 58	75 50	73 47	75 47	84 51	83 53	92 62	90 61	82 50	65 39	64 37	68 38	71 39	72 44	76 50	76 51	68 52	82.0 54.7	
UPPER MARLBORO 3 NNW	MAX MIN	82 60	85 58	82 57	87 57	90 62	95 66	97 66	95 56	85 50	90 56	97 57	99 62	95 65	69 55	73 45	73 41	84 46	84 48	82 50	92 58	90 62	77 46	64 34	63 36	68 34	70 36	72 40	79 42	75 46	66 50	81.6 51.4	
NORTHERN EASTERN SHORE 05																																	
CENTREVILLE	MAX MIN OBS	86 61	87 63	88 60	91 61	93 67	95 69	99 67	98 59	95 60	96 63	100 69	96 67	86 59	83 60	79 53	79 42	78 56	87 55	93 51	91 50	84 66	80 50	69 43	74 37	76 40	74 43	80 43	77 51	72 47	69 52	85.2 55.5	
CHESTERTOWN	MAX MIN	89 66	86 66	90 64	92 66	95 75	99 74	94 73	87 63	91 57	97 68	100 72	96 71	72 60	72 57	76 49	76 47	83 61	82 55	93 62	91 66	79 60	65 53	66 46	69 46	73 42	71 45	79 48	77 56	71 51	66 56	82.6 59.2	
MILLINGTON 2 NNW	MAX MIN																																M M
NORTHERN CENTRAL ABERDEEN PHILLIPS FLD 06	MAX MIN OBS	86 62	85 63	89 62	89 65	96 70	97 71	94 72	92 60	86 54	93 64	95 67	98 69	89 65	74 59	74 51	73 48	79 51	81 53	90 60	90 62	89 72	74 51	65 41	64 43	64 40	69 44	79 46	79 55	75 49	69 57	82.6 57.5	
BALTIMORE WSO CI	MAX MIN	87 68	84 70	90 67	92 73	96 76	99 80	97 79	87 70	92 67	101 70	101 79	96 73	73 64	75 60	74 57	73 57	86 63	84 61	93 70	92 70	78 58	66 48	65 48	68 49	70 52	71 55	82 52	76 62	69 56	64 56	82.8 63.7	
BENSON POLICE BARRACKS	MAX MIN	89 64	89 59	89 59	91 63	94 68	98 68	97 71	97 59	91 55	100 62	100 74	99 68	92 62	78 55	78 49	78 44	85 52	83 51	96 58	96 60	91 68	74 48	66 39	70 38	72 32	73 41	82 46	82 54	79 47	73 54	86.1 55.6	
BOYDS 2 NW	MAX MIN OBS	83 63	82 59	86 60	86 64	90 68	95 70	91 70	88 60	90 57	97 61	96 68	94 69	80 60	73 53	73 49	71 45	83 55	82 51	92 61	90 62	85 61	63 45	60 38	65 39	69 40	73 42	78 46	77 56	73 46	71 49	81.2 55.7	
CATOCTIN MOUNTAIN PARK	MAX MIN	78 60	76 62	81 63	80 66	83 69	85 72	87 61	84 57	83 62	90 66	91 72	89 66	70 56	69 51	68 49	64 49	73 55	77 54	83 66	83 67	84 58	60 43	54 42	58 40	62 40	67 44	71 49	73 54	69 48	61 48	75.1 56.5	
CLARKSVILLE 3 NNE	MAX MIN	86 62	84 55	88 55	91 60	95 64	99 65	95 65	85 53	91 50	99 53	99 60	95 65	89 62	74 55	73 45	71 41	85 53	85 47	95 57	92 55	87 64	64 48	64 34	67 33	70 34	72 38	78 39	76 49	70 41	70 47	83.0 51.6	
CONOWINGO DAM	MAX MIN	85 65	83 62	88 60	91 64	93 70	97 70	94 70	84 59	89 55	98 60	98 65	92 66	71 61	79 56	74 50	74 46	87 45	87 53	93 60	91 62	78 59	65 46	65 40	67 39	69 41	69 44	78 48	75 51	70 50	64 50	81.5 55.8	
DAMASCUS 2 SW	MAX MIN	85 61	84 60	87 60	86 66	90 68	95 70	91 72	84 57	90 56	97 61	96 67	89 68	68 59	74 52	73 49	70 48	81 56	81 51	92 62	89 64	77 57	61 46	59 38	66 37	69 40	69 47	77 48	75 54	70 46	61 50	79.5 55.7	
EMMITSBURG 2 SE	MAX MIN	84 57	84 53	88 55	87 60	92 64	96 65	92 71	91 52	91 49	98 50	98 62	97 64	88 60	74 50	75 42	71 40	84 52	82 45	93 57	90 56	87 64	66 47	65 38	66 35	68 34	69 40	78 42	79 50	73 43	71 42	82.6 51.3	
FREDRICK POLICE BRKS	MAX MIN	84 62	84 60	87 61	85 66	91 68	95 71	93 73	92 60	90 57	97 61	97 69	95 71	90 65	74 51	73 48	71 48	84 57	82 52	94 59	92 58	89 56	65 40	66 35	67 37	69 36	70 40	78 45	74 44	74 46	69 46	82.5 56.9	
PARKTON 2 SW	MAX MIN	83 60	83 55	87 57	88 61	92 66	96 66	93 67	84 55	89 52	97 57	97 67	91 66	67 56	74 51	71 44	69 42	83 54	81 48	93 59	90 58	74 56	63 40	63 35	66 37	66 36	70 40	79 45	76 51	69 44	61 46	79.8 52.4	
TOWSON	MAX MIN OBS	86 63	85 64	88 61	90 64	94 74	97 77	96 68	91 70	88 68	99 68	100 71	93 71	89 61	77 55	75 54	72 53	84 59	82 61	94 72	91 69	86 63	71 43	73 42	69 47	72 44	79 44	78 50	73 55	73 49	67 52	84.5 60.3	
UNIONVILLE	MAX MIN	83 58	84 52	87 52	86 58	90 62	96 63	92 63	88 50	89 46	96 50	97 56	91 62	76 62	73 52	73 41	71 42	86 53	81 43	92 55	90 54	87 60	63 47	62 32	66 30	70 31	70 38	78 39	76 46	78 36	68 41	81.3 49.1	
WESTMINSTER POLICE BRK	MAX MIN OBS	83 62	83 60	85 62	87 62	91 74	94 62	95 62	90 60	88 60	96 67	96 72	96 70	87 61	72 51	72 45	71 47	81 57	81 56	93 67	92 65	87 65	65 48	61 43	63 43	68 42	69 43	76 52	73 43	72 45	68 47	81.1 56.6	
WOODSTOCK	MAX MIN	86 63	84 56	89 57	90 61	94 66	98 67	94 67	90 56	91 53	99 56	100 62	93 67	89 69	77 55	75 47	72 44	84 55	83 50	94 59	91 59	84 62	64 46	64 36	68 35	71 38	72 39	80 45	77 52	70 44	65 52	82.9 53.9	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
SEPTEMBER 1983

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			
APPALACHIAN MOUNTAIN 07																																		
CUMBERLAND 2	MAX	85	84	86	84	87	91	89	85	90	96	95	93	79	74	74	70	79	88	92	90	85	61	62	68	71	67	80	76	77	72			
	MIN	56	56	60	63	66	65	55	54	54	56	63	62	52	46	46	48	48	48	57	59	45	35	33	34	35	45	45	45	45	42	44		
FROSTBURG 2	MAX	69	77	78	81	79	82	84	80	79	84	88	88	80	63	66	66	61	70	82	85	85	66	51	54	60	64	65	72	68	67			
	MIN	52	52	52	51	59	62	68	52	50	51	65	66	61	48	44	43	48	46	46	55	60	41	34	35	33	35	42	45	45	41			
HAGERSTOWN	MAX	83	82	87	86	90	94	93	88	90	99	97	93	72	73	72	71	81	84	93	92	86	61	63	65	69	68	79	80	73	66			
	MIN	61	57	59	65	67	70	70	57	56	58	66	67	58	51	47	49	55	50	63	65	59	45	37	37	38	40	45	54	45	46			
HANCOCK FRUIT LAB	MAX	83	82	85	84	87	92	89	87	87	97	95	90	76	72	72	70	79	86	92	93	90	63	61	64	69	67	78	78	78	76			
	MIN	59	52	55	59	63	63	68	51	50	53	58	63	61	48	41	40	51	44	53	55	61	41	32	30	32	38	38	44	38	36			
ALLEGHENY PLATEAU 08																																		
MC HENRY 2 NW	MAX	70	75	78	78	77	78	80	76	75	80	85	84	78	60	65	66	56	60	68	72	82	65	47	50	58	65	62	68	68	66			
	OBS																																	
	MIN	56	54	55	58	61	64	66	54	54	54	58	63	57	45	43	34	37	40	49	52	64	35	34	34	36	38	46	48	46	44			
OAKLAND 1 SE	MAX																																	
	MIN																																	
SAVAGE RIVER DAM	MAX	72	80	79	73	78	83	80	80	80	86	90	90	88	63	70	68	64	67	84	86	86	68	55	55	64	66	68	75	72	71			
	MIN	57	52	52	55	60	62	65	51	50	52	53	59	61	51	41	42	50	46	46	56	56	42	32	32	32	32	32	39	41	37			
DELAWARE																																		
NORTHERN																																		
MIDDLETOWN 1 WSW 01	MAX	84	85	89	91	95	97	98	94	89	97	100	98	90	76	72	75	83	82	93	92	90	73	65	66	70	70	78	74	71	67			
	MIN	63	59	59	61	69	67	70	56	51	58	64	66	62	57	47	49	56	50	58	62	68	51	44	40	37	40	43	53	45	55			
NEWARK UNIVERSITY FARM	MAX	87	86	89	93	96	100	94	88	90	98	100	96		74	80	75	84	89	95	93	85	65	65	68	70	68	79	75	71	65			
	OBS																																	
	MIN	65	62	60	65	69	70	72	58	54	54	68	68	62	58	51	44	56	53	59	61	62	50	40	42	38	42	45	55	46	56			
	OBS																																	
WILMINGTON WSO AP	MAX	85	84	90	91	93	98	95	85	88	98	100	91	70	74	73	73	83	81	94	93	78	65	66	67	68	69	79	73	71	63			
	MIN	64	64	61	66	70	73	71	60	58	63	70	69	61	55	51	45	61	54	60	67	59	48	41	41	41	43	47	50	47	56			
WILMINGTON PORTER RESVR	MAX	85	85	88	90	91	95	91	84	88	96	97	89	68	72	72	73	81	80	92	90	76	63	63	65	68	69	78	72	69	62			
	MIN	64	64	61	67	71	71	71	59	61	65	70	66	59	54	51	47	57	58	61	64	58	48	43	44	43	45	48	50	50	57			
SOUTHERN																																		
BRIDGEVILLE 1 NW 02	MAX	85	82	87	89	93	97	94	91	90	95	100	94	88	65	73	73	80	81	92	88	85	74	65	68	70	69	78	74	70	70			
	MIN	61	60	63	62	67	70	68	60	51	62	64	65	58	55	48	43	51	50	55	60	65	49	38	37	36	38	42	49	48	54			
DOVER	MAX	85	85	86	90	93	96	95	92	90	94	98	95	87	67	73	73	81	81	92	91	89	78	65	67	70	68	77	78	72	70			
	MIN	65	63	65	65	72	73	75	65	69	67	71	69	61	58	53	48	58	55	62	66	69	56	41	45	40	43	47	56	57	56			
GEORGETOWN 5 SW	MAX	87	81	78	84	88	91	94	92	83	87	90	95	94	75	64	70	72	79	80	89	88	80	64	65	66	68	69	75	72	69			
	MIN	62	62	62	59	68	70	70	61	52	58	63	65	67	59	50	44	55	52	56	62	68	51	37	38	36	38	42	50	53	59			
LEWES	MAX	80	80	87	90	92	97	96	93	85	93	98	98	87	67	73	75	84	83	92	91	89	75	66	67	70	70	76	76	70	72			
	MIN	78	74	73	63	73	73	76	72	58	67	73	84	62	64	54	49	63	66	63	67	70	52	41	46	41	46	50	56	58	60			
	OBS			84												69	72	82																
MILFORD 2 WSW	MAX																																	
	MIN																																	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

EVAPORATION AND WIND

MARYLAND AND
DELAWARE
SEPTEMBER 1983

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	5	8	15	7	*	19	14	26	14	11	19	16	15	20	31	26	34	12	9	*	6	7	7	9	3	2	1	2	3	2	3	5
	EVAP	12	24	14	19	*	36	23	30	25	26	13	32	19	6	18	24	12	20	18	*	4	6	13	26	10	15	17	9	15	18	13	
	MAX	8	9	8	9	-	9	9	9	9	9	9	9	9	7	7	8	8	8	8	-	-	7	7	7	7	7	7	8	8	7	7	
	MIN	7	6	6	6	-	7	6	6	6	6	6	6	7	5	5	5	5	5	5	-	-	5	4	4	4	4	4	4	5	5	5	
UPPER MARLBORO 3 NNW	WIND	8	9	3	4	10	6	7	15	13	7	7	3	7	14	18	12	7	5	6	8	18	23	27	6	13	5	1	7	30	5		
	EVAP	6	17	12	19	14	20	18	24	25	15	23	20	18	5	11	17	13	11	15	19	20	8	20	10	12	13	9	11	15	16		
	MAX	7	8	8	8	8	9	9	9	9	8	8	9	9	7	7	7	7	8	8	8	8	7	7	7	7	7	7	7	7	7		
	MIN	6	6	6	6	6	7	7	6	6	6	6	6	7	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6		
ALLEGHENY PLATEAU 08																																	
SAVAGE RIVER DAM	WIND	8	10	16	10	6	5	20	17	16	11	18	19	10	16	18	18	21	31	19	14	13	4	7	4	2	2	1	2	1	2		
	EVAP	1	16	5	23	11	-	9	20	12	25	12	10	30	-	9	24	7	12	7	16	5	6	11	2	10	11	14	10	1	12		
	MAX	7	8	8	8	7	8	8	8	8	8	8	8	8	6	6	7	8	8	8	8	8	6	6	6	6	6	6	6	6	6		
	MIN	6	6	5	5	6	6	6	5	5	5	5	6	6	4	4	4	5	5	5	5	5	4	4	4	4	4	4	4	4	4		
DELAWARE																																	
SOUTHERN 02																																	
GEORGETOWN 5 SW	WIND	4	3	2	3	4	2	3	3	4	3	4	4	5	6	6	4	2	6	4	2	5	1	2	6	3	3	5	1	4	2	2	
	EVAP	2	1	1	2	1	1	2	2	2	2	2	2	4	2	2	2	3	1	1	1	2	2	2	2	2	2	2	2	2	2		
	MAX	9	9	8	9	9	9	9	9	9	9	9	9	9	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8		
	MIN	7	7	7	7	7	7	7	7	7	7	7	7	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		

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 1983

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	0199004		ANNE ARUNDEL	38 59	76 30W	25	17	17			H	ANNAPOLIS POLICE BRKS
ASSATEAGUE STATE PARK	0333001		WORCESTER	38 14	75 8W	7	17	17			H	ASSATEAGUE STATE PARK
BALTIMORE HSO AP	0466006		ANNE ARUNDEL	39 11	76 40W	196	MID	MID			C	NATL WEATHER SERVICE
BALTIMORE HSO CI #	0470006	R	BALTO CITY	39 17	76 37W	91	MID	MID			C	OCMI COMMANDING OFFICER
BELTSVILLE	0700004		PRN GEORGES	39 2	76 53W	120	8	8			B	U S DEPT OF AGRICULTURE
BENSON POLICE BARRACKS	0732006		HARFORD	39 30	76 23W	365	17	17			C	MARYLAND STATE POLICE
BOYDS 2 NW	1032006		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 WTR TRMT PL	1385002		DORCHESTER	38 34	76 4W	5	16	16			H	WASTEWATER TRMT PLANT
CATOCTIN MOUNTAIN PARK	1530006		FREDERICK	39 39	77 29W	1610	17	17			C	CATOCTIN MOUNTAIN PARK
CENTREVILLE	1627003		QUEEN ANNES	39 3	76 4W	60	17	17			H	MICHAEL B CATE
CHESTERTOWN	1750003		KENT	39 13	76 4W	40	23	23			H	THOMAS W ELIASON JR
CLARKSVILLE 3 NNE	1862006		HOWARD	39 15	76 56W	365	17	17			C	UNIVERSITY OF MARYLAND
COLLEGE PARK	1999004		PRN GEORGES	38 59	76 57W	90	9	9			C	UNIVERSITY OF MARYLAND
CONOWINGO DAM	2060006		HARFORD	39 39	76 10W	40	MID	MID			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	2325004			38 56	77 7W	146	17	17				U S CORPS OF ENGINEERS
DAMASCUS 2 SW	2335006		MONTGOMERY	39 16	77 14W	720	19	19			H	RICHARD W SCHNERDT
DENTON 2 E	2523002		CAROLINE	38 53	75 48W	50	17	17			H	ARTHUR REINHOLD
EDGEMONT	2770007		WASHINGTON	39 40	77 33W	905		7				JOHN W HARNE
EMMITSBURG 2 SE	2906006		FREDERICK	39 41	77 18W	416	17	17			H	MRS LUCILLE K BEALE
FREDERICK POLICE BRKS	3348006		FREDERICK	39 25	77 26W	380	17	17			H	MARYLAND STATE POLICE
FREDERICK 3 E	3355006		FREDERICK	39 24	77 22W	385		7				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	3975007		WASHINGTON	39 39	77 44W	660	18	18				HAGERSTOWN RESERVOIR
HANCOCK FRUIT LAB	4030007		WASHINGTON	39 42	78 11W	428	16	16			C	H SHARPSBURG RESEARCH C
LA PLATA 1 W	5080003		CHARLES	38 32	77 0W	140	18	18			H	C RUSSELL LEVERING
LAUREL 3 W	5111004		PRN GEORGES	39 6	76 54W	400	MID	MID				WASH SUB SANY COMM
MC HENRY 2 NW	5832008		GARRETT	39 35	79 22W	2680	8	8			C	JOSEPH F JOHENNING
MECHANICSVILLE 1 SE	5865003		ST MARYS	38 26	76 43W	160	17	17				MRS EDITH R BENNETT
MERRILL	5894008		GARRETT	39 36	79 5W	1790		9				DELWOOD E MERRILL
MILLINGTON 2 HNW	5985005		KENT	39 16	75 52W	30	17	17			H	MRS GERALDINE CONNOLLEY
NATIONAL ARBORETUM D C	635004			38 54	76 59W	50	8	8			H	U S NATL ARBORETUM
OAKLAND 1 SE	6620008		GARRETT	39 24	79 24W	2420	17	17			H	MS CARA M WEBER
OWINGS FERRY LANDING	6770003		CALVERT	38 41	76 40W	160	17	17			H	JAMES E BOURNE JR
PARKTON 2 SW	6844006		BALTIMORE	39 38	76 42W	600	23	23			C	JOHN R FOX
PATUXENT RIVER	6915003		ST MARY'S	38 20	76 25W	38	MID	MID			C	NAVAL WEATHER SERVICE
POTOMAC FILTER PLANT	7272006		MONTGOMERY	39 2	77 15W	270		MID				POTOMAC WATER FILT PLT
PRINCESS ANNE	7330001		SOMERSET	38 13	75 41W	20	17	17			H	UNIVERSITY MARYLAND EAST
ROCKVILLE 3 NE	7705006		MONTGOMERY	39 7	77 6W	400	16	16			H	INACTIVE 03/31/83
ROYAL OAK 2 SSW	7806002		TALBOT	38 43	76 11W	10	18	18			H	JOHN L SWAINE JR
SALISBURY	8000001		WICOMICO	38 22	75 35W	10	17	17				CITY OF SALISBURY
SALISBURY FAA AP #	8005001		WICOMICO	38 20	75 31W	48	MID	MID				FAA
SAVAGE RIVER DAM	8065008		GARRETT	39 31	79 8W	1495	8	8			B	U S CORPS OF ENGINEERS
SNOW HILL 4 N	8380001		WORCESTER	38 14	75 23W	28	18	18			H	CURTIS E SHOCKLEY
SOLOMONS	8405003		CALVERT	38 19	76 27W	12	8	8				CHESAPEAKE BIOL LAB
TOWSON	8877006		BALTIMORE	39 23	76 34W	390	18	18				BENDIX FRIEZ
UNIONVILLE	9030006		FREDERICK	39 27	77 11W	430	18	18			C	GEORGE P VON EIFF JR
UPPER MARLBORO 3 NNW	9070004		PRN GEORGES	38 52	76 47W	98	8	8			B	TOBACCO EXP FARM
VIENNA	9140002		DORCHESTER	38 29	75 50W	12	18	18			H	DELMARVA POWER & LIGHT

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
SEPTEMBER 1983

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER	
							LOCAL STD TIME					
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)		
WESTMINSTER POLICE BRK	9440	06	CARROLL	39 33	76 58W	765	17	17			MARYLAND STATE POLICE	
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 9	75 31W	30	17	17		H	STATE DIV OF HIGHWAYS	
GEORGETOWN 5 SW	3570	02	SUSSEX	38 38	75 27W	45	8	8	B	C	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	MRS BERNARD FRANKEL	
NEWARK UNIVERSITY FARM	6410	01	NEW CASTLE	39 40	75 44W	90	17	17	17	C	H	UNIV OF DELAWARE
WILMINGTON WSO AP	R 9595	01	NEW CASTLE	39 40	75 36W	79	MID	MID		C	H J	NATL WEATHER SERVICE
WILMINGTON 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 1983

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, 18 or more for wind and evaporation).
R Amounts from recording gage.
T Trace. An amount too small to measure.

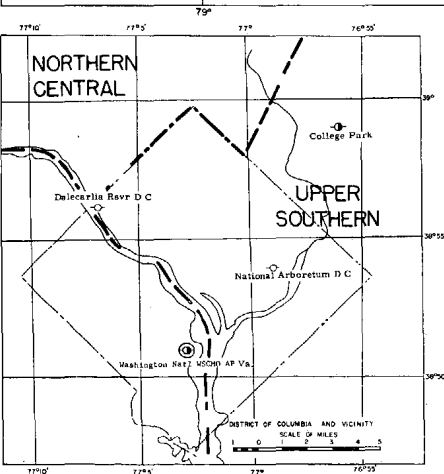
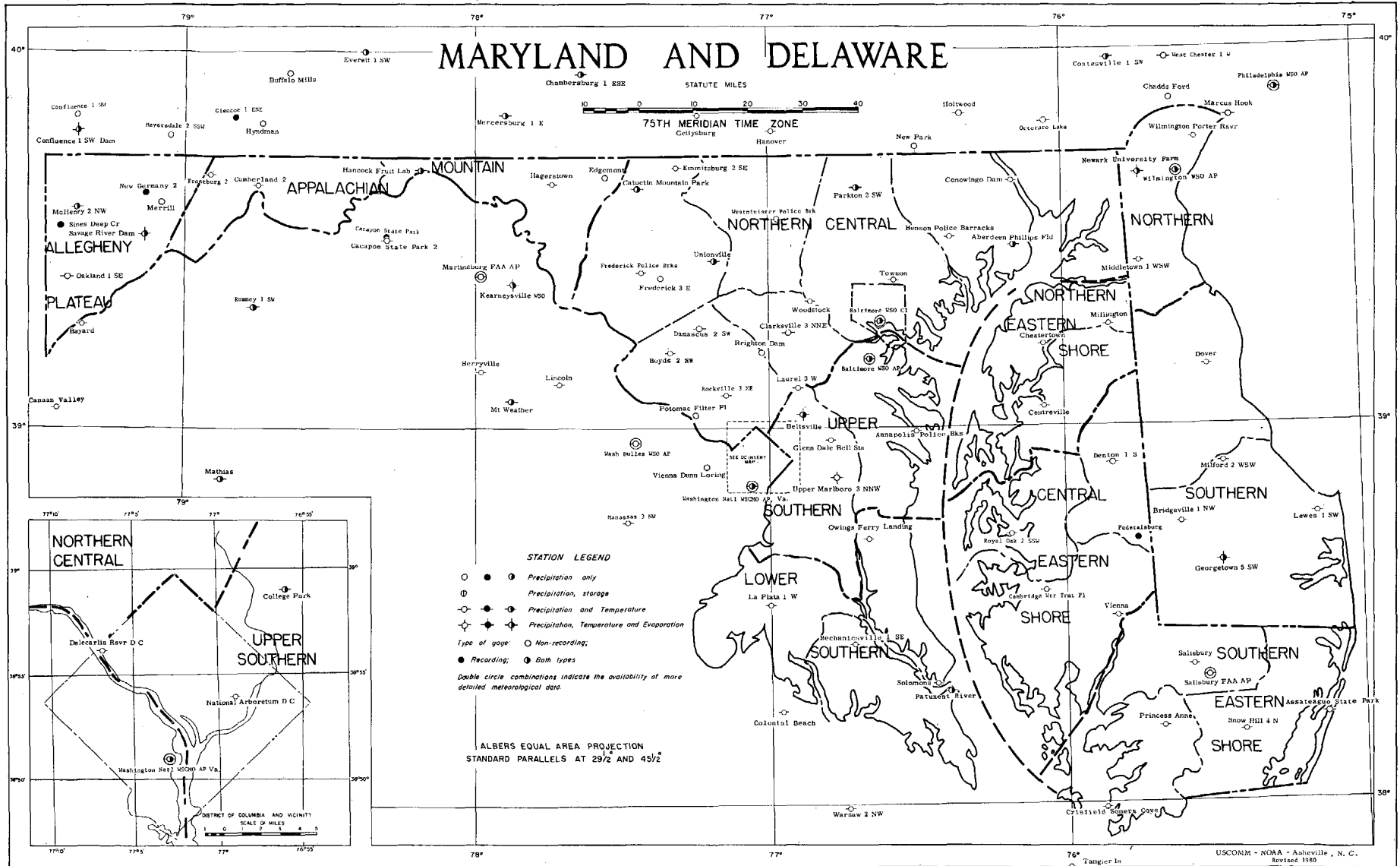
Additional Information regarding the climate of this state may be obtained by writing to the National Climatic Data Center, Federal Building, Asheville, N. C. 28801, or to any Weather Service Office near you. Additional precipitation data are contained in the "Hourly Precipitation Data" bulletin for 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 1983-0895



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.

Comparative Climatic Data
For the United States
1980

Local Climatological Data
Annual Summary With Comparative Data
1980
CHICAGO, ILLINOIS
O'HARE INTERNATIONAL AIRPORT

CLIMATOLOGICAL DATA
ANNUAL SUMMARY
JUNE 1981
CALIFORNIA
TEMPERATURE AND PRECIPITATION EXTREMES

STORM DATA
JUNE 1981

HOURLY PRECIPITATION DATA
ANNUAL SUMMARY
JANUARY 1981
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