



CLIMATOLOGICAL DATA

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

MARYLAND AND DELAWARE

AUGUST 1970

Volume 74 No. 8

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

Station	Temperature										Precipitation																
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days						
										Max. Min.								Total	Departure From Normal	Greatest Day	Date	Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
										31° or Above	32° or Below	27° or Below	27° or Below														
MARYLAND																											
* * * SOUTHERN EASTERN SHORE 01																											
ASSATEAGUE STATE PARK	84.5	70.1	77.3		91	29+	62	7	0	6	0	0	0	1.04		.55	21	.0	0		2	1	0				
CRISFIELD SOMERS COVE	84.6	71.4	78.0	.0	90	30	63	7	0	1	0	0	0	.69	- 4.36	.42	23	.0	0		3	0	0				
POCONOKE CITY 1 S																											
PRINCESS ANNE	87.6	63.6	75.6		94	30+	51	22	0	12	0	0	0	1.02		.52	23	.0	0		4	1	0				
SALISBURY	86.7	66.4	76.6		93	1	57	22	0	8	0	0	0	5.64	- .37	3.18	21	.0	0		5	4	1				
SALISBURY FAA AIRPORT	85.5	64.4	75.0		91	29+	55	22	0	4	0	0	0	4.84		2.54	23	.0	0		3	3	2				
SNOW HILL 4 N	85.8	63.5	74.7	-.5	93	29	53	7	0	8	0	0	0	.84	- 4.83	.37	23	.0	0		3	0	0				
DIVISION																											
			76.2	.3										2.35	- 3.08			.0									
* * * CENTRAL EASTERN SHORE 02																											
BLACKWATER REFUGE	87.8	67.1	77.5		93	11+	56	22	0	9	0	0	0	1.54		.70	24	.0	0		3	2	0				
CAMBRIDGE 4 W	87.5	65.5	76.5		93	1	56	22	0	11	0	0	0	2.25		1.05	4	.0	0		3	2	1				
DENTON 1 MNW	87.9	64.4	76.2		93	30+	53	22	0	11	0	0	0	1.01		.44	4	.0	0		3	2	0				
EASTON POLICE BARRACKS	87.3	65.9	76.6	1.0	94	1	58	22	0	10	0	0	0	2.13	- 2.90	.95	4	.0	0		3	2	0				
PRESTON 1 S	87.4	64.7	76.1		93	29+	54	22	0	11	0	0	0	1.98		.64	4	.0	0		3	2	0				
ROYAL OAK	86.9	66.6	76.8		93	1	55	22	0	8	0	0	0	2.98		1.05	4	.0	0		3	3	1				
VIENNA	88.6	67.7	78.2		96	1	57	22	0	15	0	0	0	5.91		4.80	21	.0	0		3	2	1				
DIVISION																											
			76.8	1.1										2.54	- 2.64			.0									
* * * LOWER SOUTHERN 03																											
CHARLOTTE HALL 2 SE	89.2	63.1	76.2		95	3	53	25+	0	17	0	0	0	3.22		2.00	20	.0	0		3	2	2				
LA PLATA 1 W	87.6	62.7	75.2		94	16	55	22	0	16	0	0	0	2.38		1.48	21	.0	0		3	1	1				
LEONARDTOWN 3 NW																											
OWINGS FERRY LANDING	87.0	64.3	75.7	.6	94	1	55	22	0	12	0	0	0	2.45	- 2.86	1.40	4	.0	0		3	2	1				
PRINCE FREDERICK 1 N	86.8	64.3	75.6		93	29+	56	22	0	7	0	0	0	2.12		1.02	4	.0	0		3	2	1				
SOLOMONS	86.5	71.5	79.0	1.2	93	1	66	25+	0	7	0	0	0	1.52	- 3.48	.52	20	.0	0			1	0				
WALDORF POLICE BRKS	88.6	61.4	75.0		94	2+	52	22	0	15	0	0	0	4.02		2.00	4	.0	0		6	3	1				
DIVISION																											
			76.1	.6										2.62	- 2.65			.0									
* * * UPPER SOUTHERN 04																											
ANNAPOLIS																											
BALTIMORE WB AIRPORT R	88.3	66.4	77.4	2.4	94	17+	58	22	0	13	0	0	0	1.33	- 3.86	.69	23	.0	0		2	1	0				
BELTSVILLE	86.1	62.8	74.5		92	1	53	22	0	8	0	0	0	3.43		2.75	20	.0	0		3	2	1				
BELTSVILLE PLANT STA 5	86.6	63.5	75.1		93	2+	54	22	0	10	0	0	0	1.47		.45	23	.0	0		4	0	0				
COLLEGE PARK	88.5	65.9	77.2	2.1	95	1	56	22	0	16	0	0	0	1.38	- 3.77	.58	23	.0	0		4	1	0				
DALECARLIA RESVR D C	87.7	66.2	77.0		94	1	58	22	0	14	0	0	0	1.32		.72	23	.0	0		4	1	0				
FORT GEORGE G MEADE	87.3	63.1	75.2		93	1	52	22	0	12	0	0	0	1.67		.86	19	.0	0		3	2	0				
GLENN DALE BELL STA	87.6	63.0	75.3	1.0	93	2+	56	25+	0	13	0	0	0	2.34	- 2.73	1.67	20	.0	0		4	1	1				
LAUREL 3 W	87.1	67.5	77.3		93	16+	60	22	0	11	0	0	0	3.20		1.90	20	.0	0		4	2	1				
NATIONAL ARBORETUM D C	87.7	66.2	77.0		93	29+	56	22	0	12	0	0	0	2.16		.80	23	.0	0		4	2	0				
SUITLAND	85.9	65.5	75.7		92	30+	57	22	0	6	0	0	0	1.27		.39	15	.0	0		5	0	0				
U. S. SOLDIERS HOME DC	87.3	67.9	77.6		93	29	62	22	0	11	0	0	0	1.75		.61	1	.0	0		3	2	0				
UPPER MARLBORO 3 NNW	86.7	63.1	74.9		93	2	53	22	0	11	0	0	0	2.78		2.05	20	.0	0		4	1	1				
DIVISION																											
			76.2	1.1										2.01	- 3.00			.0									
* * * NORTHERN EASTERN SHORE 05																											
CENTREVILLE	87.1	64.1	75.6		92	16	53	22	0	9	0	0	0	3.40		2.47	21	.0	0		2	2	1				
CHESTERTOWN	86.7	64.6	75.7		92	1	55	22	0	9	0	0	0	2.60		1.88	20	.0	0		4	1	1				
COLEMAN 3 NNW	88.1	66.6	77.4	1.4	94	1	59	22	0	15	0	0	0	2.89	- 2.08	1.10	21	.0	0		7	2	1				
EASTERN NECK ISLAND	86.2	69.1	77.7		91	16+	60	23	0	3	0	0	0	1.67		1.27	21	.0	0		3	1	1				
MILLINGTON	87.7	62.6	75.2	.5	94	16	51	22	0	13	0	0	0	2.41	- 2.48	.76	22	.0	0		8	1	0				
DIVISION																											
			76.3	.8										2.59	- 2.16			.0									
* * * NORTHERN CENTRAL 06																											
ABERDEEN PHILLIPS FLD	84.7M	66.0M	75.4M											3.29		1.17	23	.0	0		6	2	1				
BALTIMORE WB CITY	87.8	71.9	79.9	2.6	95	1	66	22	0	14	0	0	0	2.76	- 1.84	1.11	23+	.0	0		4	2	2				
BENSON POLICE BARRACKS	86.8	63.8	75.3		93	1	55	22	0	10	0	0	0	4.47		2.01	21	.0	0		6	3	2				
BOYDS 2 NW	84.7	63.8	74.3		90	1	54	22	0	1	0	0	0	.94		.55	23	.0	0		2	1	0				
CATOCTIN MOUNTAIN PARK	80.1	63.5	71.8		87	30	57	22+	0	0	0	0	0	1.78		.54	23	.0	0		5	1	0				
CLARKSVILLE 3 NNE	86.1	60.8	73.5		92	2+	50	22	0	3	0	0	0	2.20		1.32	23	.0	0		4	1	1				
CONOWINGO DAM	85.7	64.0	74.9		94	12	54	22	0	8	0	0	0	5.18		2.25	23	.0	0		7	4	1				
ELKTON	86.0	61.3	73.8	-.7	91	28+	50	22	0	8	0	0	0	3.01	- 2.01	1.37	23	.0	0		6	2	1				
EMMITSBURG 2 SE	85.5	59.1	72.3		91	16	47	22	1	6	0	0	0	2.94		.89	1	.0	0		6	2	0				
FREDERICK WFMD	86.8	61.9	74.4	.5	92	16+	49	22	0	8	0	0	0	1.92	- 2.38	.66	23	.0	0		5	2	0				
PARKTON 2 SW	83.4	61.2	72.3		90	16+	51	22	0	2	0	0	0	3.28		2.35	23	.0	0		3	2	1				
ROCKVILLE 4 NE	86.0	59.3	72.7		92	2	49	25	0	7	0	0	0	4.21				.0	0								

See Reference Notes Following Station Index

SPECIAL WEATHER SUMMARY ON PAGE 94

Continued

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND DELAWARE
AUGUST 1970

Station	Temperature										Precipitation												
	Average Maximum	Average Minimum	Average	Departure from Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure from Normal	Greatest Day	Date	Snow, Sleet			No. of Days		
										Max.	Min.	32° or Above	32° or Below					Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
TOWSON	86.4	66.9	76.7		92	16+	58	22	0	9	0	0	0	1.47	- 3.03	1.00	23	.0	0		4	1	1
UNIONVILLE	84.1	60.4	72.3		91	1	50	22	0	2	0	0	0	3.07		1.29	7	.0	0		3	3	2
WESTMINSTER 2 SSE	84.4	62.5	73.5	.3	90	29+	51	22	0	3	0	0	0	2.51	- 2.28	1.05	23	.0	0		6	1	1
WHEATON REGIONAL PARK	84.4	63.8	74.1		90	28	54	22	0	1	0	0	0	1.59		.94	23	.0	0		4	1	0
WOODSTOCK																							
DIVISION			74.2	.4										2.79	- 1.81			.0					
* * *																							
APPALACHIAN MOUNTAIN																							
07																							
BOONSBORO	83.9	64.4	74.2		89	28+	55	22	0	0	0	0	0	2.20		.82	23	.0	0		4	3	0
CHEWSVILLE BRIDGEPORT	85.0	61.1	73.1	.6	91	1	51	22	0	2	0	0	0	2.55	- 1.45	.95	20	.0	0		5	2	0
CUMBERLAND	87.1	58.2	72.7		92	16	52	25+	0	10	0	0	0	1.44		.80	23	.0	0		4	1	0
CUMBERLAND POLICE BRKS	86.0	60.2	73.1		91	30+	50	22	0	8	0	0	0	2.37		1.80	23	.0	0		3	1	1
FROSTBURG	81.8	59.1	70.5	.6	86	15	51	25	0	0	0	0	0	2.05	- 2.03	1.25	23	.0	0		2	1	1
HAGERSTOWN	85.8	63.6	74.7		91	16	55	22	0	6	0	0	0	2.48		1.05	20	.0	0		3	3	1
HANCOCK FRUIT LAB	85.1	60.8	73.0		90	31+	51	22	0	4	0	0	0	3.23	- .18	.98	4	.0	0		1	0	1
PICARDY	85.9	60.7	73.3		95	16	51	22	0	7	0	0	0	2.21		1.10	23	.0	0		5	2	1
WESTERNPORT UPRC	85.7	60.1	72.9		92	30	53	25+	0	3	0	0	0	3.02		1.36	15	.0	0		5	2	1
DIVISION			73.1	.6										2.39	- 1.50			.0					
* * *																							
ALLEGHENY PLATEAU																							
08																							
BITTINGER 2 NW	74.3	57.1	65.7		80	19	50	5	25	0	0	0	0	4.03		1.54	23	.0	0		8	2	1
OAKLAND 1 SE	78.0	55.6	66.8	.2	84	15	48	25+	20	0	0	0	0	3.70	- .80	2.38	23	.0	0		6	1	1
SAVAGE RIVER DAM	81.1	57.4	69.3		87	16	44	18	5	0	0	0	0	2.17		1.12	23	.0	0		4	2	1
SINES DEEP CREEK 2																							
DIVISION			67.3	.7										3.30	- 1.07			.0					
DELAWARE																							
* * *																							
NORTHERN																							
01																							
MIDDLETOWN 1 WSW	87.7	64.1	75.9		93	28	53	22	0	14	0	0	0	1.90		.95	4	.0	0		6	1	0
NEWARK UNIVERSITY FARM	86.6	63.2	74.9		91	1	52	22	0	8	0	0	0	3.17		1.38	23	.0	0		8	2	1
WILMGTN NCATTLE WB AP	86.3	67.1	76.7	2.4	92	13	58	22	0	8	0	0	0	2.31	- 3.28	1.64	23	.0	0		4	1	1
WILMGTN PORTER RESVR	83.9	63.7	73.8		90	16	54	24	0	1	0	0	0	3.97	- 1.35	2.17	1	.0	0		5	2	2
DIVISION			75.3	1.0										2.84	- 2.40			.0					
* * *																							
SOUTHERN																							
02																							
BRIDGEVILLE 1 NW	86.8	63.1	75.0	.5	92	14+	52	22	0	12	0	0	0	3.39	- 2.16	1.40	21	.0	0		5	4	1
DOVER	87.4	65.5	76.5	1.1	93	1	57	22	0	12	0	0	0	1.27	- 4.46	.80	21	.0	0		4	1	0
GEORGETOWN 5 SW	85.9	64.0	75.0		92	2	55	7	0	4	0	0	0	3.09		1.71	24	.0	0		6	1	1
LEWES 1 SW	84.7	65.6	75.2		92	1	58	7	0	7	0	0	0	4.00		2.27	20	.0	0		4	2	2
MILFORD 2 WSW	88.3	63.4	75.9		94	13	51	22	0	17	0	0	0	1.59		.75	15	.0	0		4	1	0
SELBYVILLE																							
DIVISION			75.5	.6										2.67	- 2.95			.0					

TEMPERATURE AND PRECIPITATION EXTREMES

HIGHEST TEMPERATURE, 96° ON THE 1ST AT VIENNA, MD.

LOWEST TEMPERATURE, 44° ON THE 18TH AT SAVAGE RIVER DAM, MD.

GREATEST TOTAL PRECIPITATION, 5.91 INCHES AT VIENNA, MD.

LEAST TOTAL PRECIPITATION, .69 INCH AT CRISFIELD SOMERS COVE, MD.

GREATEST ONE-DAY PRECIPITATION, 4.80 INCHES ON THE 21ST AT VIENNA, MD.

See Reference Notes Following Station Index

DAILY PRECIPITATION

MARYLAND AND DELAWARE
AUGUST 1970

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 STATE PARK	1.04				.02							.10	.01									.55			.48								
CRISFIELD SOMERS COVE	.69																				.01			.42	.16								
POCONO CITY 1 S																																	
PRINCESS ANNE	1.02				.02						.17										.18	.02		.52	.11								
SALISBURY	5.64				.60			.08		.01	.21	.01									.05	3.18		.70	.80								
SALISBURY FAA AIRPORT	4.84			.52	.03			.02						.01								.02	1.70		2.54								
SNOW HILL 4 N	.84				.01			.02	.04		.12	.02										.24		.37	.02								
* * *																																	
CENTRAL EASTERN SHORE 02																																	
BLACKWATER REFUGE	1.54																				.68	.05		.11	.70	T							
CAMBRIDGE 4 W	2.25				1.05																.30	.86		.04									
DENTON 1 NNW	1.01				.44																.21	.33		.03									
EASTON POLICE BARRACKS	2.13				.95																.01	.39	.53	.18	.07								
PRESTON 1 S	1.98				.64														.12			.31	.96	.55									
ROYAL OAK	2.98				1.05																.35	.30	.77	.51									
VIENNA	5.91				.63																	4.80		.28									
* * *																																	
LOWER SOUTHERN 03																																	
CHARLOTTE HALL 2 SE	3.22	.10																				2.00	1.10		.02								
LA PLATA 1 W	2.36			.05													.01						.46	1.48									
LEONARDTOWN 3 NW																																	
OWINGS FERRY LANDING	2.45			.02																		.71	.29		.03								
PRINCE FREDERICK 1 N	2.12				1.02																	.89	.14		.07								
SOLOMONS	1.52				.49																	.52	.02	*	.49								
WALDORF POLICE BRKS	4.02				2.00												.05	.10			.30	.76	.66	.15									
* * *																																	
UPPER SOUTHERN 04																																	
ANNAPOLIS																																	
BALTIMORE WB AIRPORT	1.33			.06																	.47	.03		.69									
BELTSVILLE	3.43				.03																	2.75	.51	.03									
BELTSVILLE PLANT STA 5	1.47				.03					.32												.35		.45	.02								
COLLEGE PARK	1.38				.04			.41			.04											.06		.58									
DALECARLIA RESVR D C	1.32	.03			.23																	.21		.72									
FORT GEORGE G MEADE	1.67	.01			T			T	.10													.86	T		.64								
GLENN DALE BELL STA	2.34				.02																	.14	1.67	.35									
LAUREL 3 W	3.20				.03																	1.90	.97										
NATIONAL ARBORETUM D C	2.16		.26		.09				.26													.67		.80		.12							
SUITLAND	1.27		.05		.17																	.11	.39	.08	.20	.25	.01						
U. S. SOLDIERS HOME DC	1.75		.61		.06																	.43		.59									
UPPER MARLBORO 3 NNW	2.78	T	.06		.10																	.30		.10	.06								
* * *																																	
NORTHERN EASTERN SHORE 05																																	
CENTREVILLE	3.40																																
CHESTERTOWN	2.60	T		.02																													
COLEMAN 3 NNW	2.89				.20																	.74	.13	1.10	.37								
EASTERN NECK ISLAND	1.67				.03																	.21	.13	1.27	.10								
MILLINGTON	2.41	.08			.03			.23	.25													.11		.76	.20								
* * *																																	
NORTHERN CENTRAL 06																																	
ABERDEEN PHILLIPS FLD	3.29				.49																												
BALTIMORE WB CITY	2.76			.02				1.11																									
BENSON POLICE BARRACKS	4.67				.37																												
BOYDS 2 NW	.94				.04																												
BRIGHTON DAM	3.67				.25			.11	.62	.01												.51											
BROOKDALE	.92	.01			.08																												
CATOCTIN MOUNTAIN PARK	1.77		.11																			.49		.01		.68							
CLARKSVILLE 3 NNE	2.20				T																	.35		.22		.132							
CONDWINGO DAM	5.18	T	.18																			.65	.29	T	.235								
ELKTON	3.01				.75																	.11	.60	.29	T	.12							
EMMITSBURG 2 SE	2.94	.89			.07																	.22		.30	.02								
FREDERICK WFMD	1.92	.22			.05																	.05		.18	.01								
FREDERICK 3 E	4.07	.25			.02																		1.78		.41								
LOCH RAVEN DAM	2.13																																
PARKTON 2 SW	3.28			.02				.09															.03		.29	.05	.82						
POTOMAC FILTER PLANT	2.32				.29																		.96		.04	T							
ROCKVILLE 4 NE	4.21				.15																												
TONSON	1.47				T																												
UNIONVILLE	3.07							1.29		.04													.07		.16		T						
WESTMINSTER 2 SSE	2.91	.06			.06					.45	.07												.11				.07						
WHEATON REGIONAL PARK	1.59				.02					.14														.14	.25		T						
WOODSTOCK																																	
* * *																																	
APPALACHIAN MOUNTAIN 07																																	
BOONSBORO	2.20	.01			.04																												
CHEWSVILLE BRIDGEPORT	2.55				.06					.11												.19	.06		T	.50	T	.02					
CUMBERLAND	1.44				.02					.02												.37	.02	.01			.95	.03					
CUMBERLAND POLICE BRKS	2.37	.02			.02																	.27			.10								
EDGEWOOD	1.96	.06			.10																	.20	.04										
FROSTBURG	2.05	.06	T		.03																	.03		.04	T		T	.07					
HAGERSTOWN	2.48				.98					.03												.04	.09	.03	.02		.04	1.05	.04				
HANCOCK FRUIT LAB	3.23																										.10	.93					
PICARDY	2.21		.10																								.34	.52					
WESTERNPORT UPRC	3.02	T			.24						.24											.03	.03	1.36	T	T		.11	T				
WILLIAMSPORT	3.10				.07																						.56	.44					
* * *</																																	

DAILY PRECIPITATION

Continued

MARYLAND AND DELAWARE
AUGUST 1970

		AUGUST 1970																															
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	
DELAWARE																																	
* * * NORTHERN 01																																	
MIDDLETOWN 1 WSW	1.90				.95									.14				.21		.17	.01	.05		.15							.22	.	
NEWARK UNIVERSITY FARM	3.17	.02			.59					.07				.43				.13		.14		.12		1.38						.13	.16	.	
WILMGTN NCATTLE WB AP	2.31	T		.26	.01													.03		.06	.10		1.04						.12	.05	.		
WILMGTN PORTER RESVR	3.97	2.17		.22	.04				T					.10						T	.04		1.22							.04	.14	.	
* * * SOUTHERN 02																																	
BRIDGEVILLE 1 NW	3.39				.51									.56	T					.01	.10	1.40		.81								.	
DOVER	1.27											T		.12				.02	T					.03	.19						.11	.	
GEORGETOWN 5 SW	3.09				.47					.19				.14				.31		T		.27				1.71						.	
LEWES 1 SW	4.00			.28												T		.19			2.27		1.24									.	
WILFORD 2 WSW	1.59	T			.28			T								.75						.17		.39							T	.	
SELBYVILLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.

SUPPLEMENTAL DATA

	Wind (Speed — m.p.h.)						Relative humidity averages- percent				Number of days with precipitation							Percent of Possible sunshine	Average sky cover sunrise to sunset
	Resultant- Direction	Resultant Speed	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	Standard of Time EASTERN				Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total		
							01	07	13	19									
BALTIMORE WB AIRPORT MD	25	3.0	6.8	23	N	31	71	75	44	54	1	4	1	1	0	0	7	75	4.9
WILMINGTON NCATTLE WB DEL	27	2.0	6.3	18++	17	23	80	82	53	65	1	4	3	0	1	0	9	-	4.3

SPECIAL WEATHER SUMMARY

August 1970 was generally warm, dry, and sunny. Although the daily temperatures were not large, above normal temperatures occurred on as many as 23 days during the month. The number of days with 90° temperatures for many stations was also greater than normal in spite of highest temperatures of the month reaching mostly into the low nineties. Monthly temperatures averaged near normal to 3° above normal.

Rainfall was generally below normal to much below normal except for some normal to above normal totals in the Salisbury-Vienna area and in a few scattered locations in the northeast and in the west. These latter totals were the result of some unusually heavy thunderstorm rainfall;

at Vienna, 4.80 inches was reported during the night of the 20th-21st; and an unofficial total of 4 inches was reported in the Bel Air, Maryland, area during an 1-1/2-hour period in the late afternoon of the 20th.

The records of the first order Weather Bureau stations in the area indicated that August 1970 had more than the normal amount of sunshine; at Baltimore (Friendship International Airport) the percent of possible sunshine was 75 percent (the long-term average is 62 percent). As would be expected, the number of cloudy days was but 5 (the long-term average is 11). Storms during the month include the thunderstorms of 1st, 14th, 20th, 21st, and 31st; damage was mostly minor.

W. J. Moyer
ESSA-Weather Bureau State Climatologist
Room 34, Symons Hall
University of Maryland
College Park, Maryland 20740

MARYLAND AND DELAWARE
AUGUST 1970

See Reference Notes Following Station Index

Continued

DAILY TEMPERATURES

MARYLAND AND DELAWARE
1970
AUGUST

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																																	
NATIONAL ARBORETUM D C	MAX	93	91	90	89	82	83	84	86	84	80	85	90	90	89	90	90	91	89	88	89	87	85	84	84	85	85	91	92	93	92	89	87.7
	MIN	74	73	63	66	59	61	62	65	65	67	64	64	67	69	70	64	73	61	71	68	70	56	74	65	60	63	62	67	67	68	73	66.2
SUITLAND	MAX	91	92	89	87	80	80	81	83	84	82	78	85	88	89	88	89	90	89	86	87	87	86	83	79	82	83	83	89	91	92	90	85.9
	MIN	74	71	63	67	60	60	62	65	66	68	64	65	66	69	64	65	70	62	68	68	69	57	69	62	59	61	63	65	66	68	73	65.5
U. S. SOLDIERS HOME DC	MAX	92	90	89	82	82	83	89	88	84	79	85	90	91	89	90	91	90	88	88	89	87	83	81	83	85	86	91	92	93	91	86	87.3
	MIN	74	72	67	66	64	67	64	69	69	68	66	66	67	68	65	71	72	67	70	71	69	62	70	64	64	68	65	70	69	72	69	67.9
UPPER MARLBORO 3 NNW	MAX	90	93	90	89	79	83	84	85	84	82	79	84	89	90	90	89	90	91	87	87	89	85	82	80	82	85	85	90	92	92	90	86.7
	MIN	70	71	59	67	57	59	59	62	61	65	62	60	62	68	64	65	68	58	66	66	67	53	69	60	56	60	60	62	63	64	72	63.1
* * *																																	
NORTHERN EASTERN SHORE 05																																	
CENTREVILLE	MAX	91	90	89	84	82	85	85	87	85	80	85	90	90	88	89	92	91	87	86	89	88	85	82	82	85	87	90	90	90	89	86	87.1
	MIN	74	74	63	65	58	58	58	60	61	65	63	65	65	65	65	66	73	58	65	66	68	53	69	62	58	59	60	65	66	67	72	64.1
CHESTERTOWN	MAX	92	89	88	82	84	85	85	86	85	80	87	89	90	90	91	91	90	90	85	88	85	83	80	83	85	85	88	90	91	88	84	86.7
	MIN	75	73	67	63	58	60	61	63	63	65	64	66	67	69	65	66	70	60	65	67	61	55	67	60	60	63	64	69	70	65	63	64.6
COLEMAN 3 NNW	MAX	94	92	88	87	82	84	87	89	89	82	88	92	92	91	92	92	91	90	90	90	85	84	80	81	85	87	92	92	93	90	85	88.1
	MIN	75	75	66	65	62	65	62	64	64	66	67	66	68	70	67	68	72	61	66	69	69	59	68	63	61	63	67	68	70	68	71	66.6
EASTERN NECK ISLAND	MAX	91	89	88	86	80	83	84	85	84	83	85	89	89	89	88	91	89	88	84	87	86	82	82	81	84	84	87	89	90	89	85	86.2
	MIN	77	78	71	68	61	64	69	71	67	69	67	68	73	74	67	74	76	63	70	72	71	61	60	62	64	66	69	73	74	69	73	69.1
HILLINGTON	MAX	92	90	89	83	83	85	88	89	85	79	85	90	93	92	91	94	91	88	86	91	89	84	84	83	85	85	90	92	90	90	83	87.7
	MIN	73	73	60	65	56	58	56	58	60	63	64	61	65	65	64	65	65	65	63	65	67	51	65	59	57	59	59	63	64	64	59	62.6
* * *																																	
NORTHERN CENTRAL 06																																	
ABERDEEN PHILLIPS FLD	MAX			86	84	82	83	84			79	82	89	88	85	88	89	87	87	84	87	82			78	83	83	87	90		80	84.7	
	MIN			65	66	62	63	64			70	66	64	65	70	69	70	72	61	66	71	69			65	61	63	63	66		67	66.0	
BALTIMORE WB CITY	MAX	95	93	94	82	83	85	85	84	84	80	86	93	91	90	90	92	94	88	82	90	87	82	80	84	88	84	92	93	94	91	86	87.8
	MIN	79	78	74	70	67	70	71	71	73	72	69	70	72	72	71	76	75	71	73	72	73	66	71	68	67	70	70	76	76	75	72	71.9
BENSON POLICE BARRACKS	MAX	93	92	89	86	82	83	86	86	84	83	83	90	90	90	89	90	89	88	84	88	84	82	80	81	85	87	90	91	90	90	87	86.8
	MIN	72	78	64	63	58	59	59	59	62	64	64	63	62	68	60	60	66	59	66	67	66	55	68	61	58	59	63	69	70	68	69	63.8
BOYDS 2 NW	MAX	90	89	86	83	80	82	82	83	80	77	81	87	87	87	86	89	87	85	84	88	87	84	78	80	82	85	87	89	88	89	84	84.7
	MIN	72	71	62	62	58	61	62	62	64	66	60	61	63	67	61	66	66	59	65	70	68	56	67	61	59	61	61	65	67	68	67	63.8
CATOCTIN MOUNTAIN PARK	MAX	85	85	81	79	73	76	78	78	76	76	80	84	84	80	84	84	81	81	80	82	78	76	76	76	77	79	83	84	84	87	81	80.1
	MIN	72	67	64	57	58	60	62	64	62	63	59	67	65	65	62	67	70	61	65	65	63	57	62	59	59	62	62	69	69	65	66	63.5
CLARKSVILLE 3 NNE	MAX	92	92	89	87	80	82	83	83	82	80	83	89	89	88	88	91	89	87	85	89	86	83	79	81	84	85	88	89	89	89	87	86.1
	MIN	71	70	57	62	54	59	56	60	61	63	59	57	58	64	59	61	62	54	65	65	67	50	68	59	55	55	56	61	61	67	69	60.8
CONDWINGO DAM	MAX	90	92	89	78	82	83	84	85	85	81	83	94	90	89	88	91	86	86	82	87	82	81	81	80	84	85	90	91	90	85	82	85.7
	MIN	74	71	65	66	59	60	61	62	63	65	62	62	65	69	67	66	67	59	64	69	62	54	68	62	61	62	61	66	67	63	62	64.0
ELKTON	MAX	89	91	87	83	82	81	84	86	86	82	83	90	90	91	89	90	88	87	83	88	83	83	81	82	85	82	90	91	90	86	82	86.0
	MIN	72	77	61	62	56	51	58	60	60	63	62	60	64	67	64	64	70	56	60	58	67	50	66	58	57	57	58	63	64	60	62	61.5
EMMITSBURG 2 SE	MAX	90	86	85	79	81	89	85	84	82	80	84	88	90	89	90	91	85	87	83	89	83	80	80	80	84	85	89	90	89	90	83	85.5
	MIN	68	70	58	57	54	60	56	56	59	62	57	58	57	61	59	60	64	52	61	65	61	47	65	56	52	51	54	60	62	65	66	59.1
FREDERICK WFMD	MAX	88	90	87	82	81	85	84	86	85	79	86	90	91	92	89	92	88	87	89	88	85	85	82	83	83	86	89	91	90	90	89	86.8
	MIN	69	69	62	58	53	62	58	60	60	65	62	66	59	63	60	59	68	55	64	64	67	49	67	60	57	54	62	68	67	68	65	61.9
PARKTON 2 SW	MAX	90	86	85	76	79	80	83	82	80	78	82	88	88	85	87	90	88	85	79	85	80	78	79	78	82	83	87	88	88	86	79	83.4
	MIN	71	69	61	58	54	59	58	61	61	63	60	60	61	65	62	63	65	56	62	66	59	51	66	58	57	56	61	66	66	65	58	61.2
ROCKVILLE 4 NE	MAX	91	92	88	85	81	82	84	83	83	81	83	88	88	90	88	90	87	86	85	88	90	81	80	80	83	85	87	89	90	91	88	86.0
	MIN	68	68	56	59	54	57	56	60	60	62	58	56	57	64	59	61	63	54	64	63	65	51	64	56	49	54	54	58	60	64	65	59.3
TOWSON	MAX	92	90	90	86	81	83	83	85	85	81	81	90	90	88	90	92	88	86	85	88	86	84	80	81	84	84	89	91	90	89	87	86.4
	MIN	75	74	66	64	61	64	64	66	68	68	64	66	66	71	67	69	70	63	68	69	69	58	69	63	61	63	67	72	71	70	68	66.9
UNIONVILLE	MAX	91	88	85	76	80	81	83	81	81	77	81	88	85	86	86	90	86	85	81	89	84	81	80	80	82	85	87	89	89	88	82	84.1
	MIN	72	68	57	60	54	61	57	61	62	64	59	58	59	62	60	61	63	53	63	65	66	50	68	57	53	53	55	61	60	66	63	60.4
WESTMINSTER 2 SSE	MAX	90	85	86	79	79	83	84	84	82	79	81																					

Continued

DAILY TEMPERATURES

MARYLAND AND DELAWARE
AUGUST 1970

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																																		
HANCOCK FRUIT LAB	MAX MIN	90 71	90 65	86 57	88 59	78 56	79 61	81 59	82 61	83 65	80 64	79 54	85 56	88 58	87 63	86 61	88 62	90 65	87 53	85 63	85 65	88 67	81 51	81 66	83 58	88 53	81 54	84 55	89 63	88 63	89 66	90 71	85.1 60.8	
PICARDY	MAX MIN	94 70	89 65	86 60	81 55	78 55	80 58	83 57	85 60	81 64	77 61	87 55	90 59	88 61	88 62	88 60	95 62	88 65	86 54	90 63	88 74	85 65	80 51	82 67	81 57	82 54	86 54	89 57	90 62	91 64	91 62	84 68	85.9 60.7	
WESTERNPORT UPRC	MAX MIN	88 70	88 64	87 57	81 59	80 56	80 56	83 60	85 61	82 62	79 61	86 55	88 58	85 63	88 62	88 60	91 60	88 64	86 55	89 63	90 67	87 67	83 53	82 67	81 67	84 53	85 55	88 55	88 62	88 59	92 63	86 60	85.7 60.1	
* * *																																		
ALLEGHENY PLATEAU 08																																		
BITTINGER 2 NW	MAX MIN	79 65	74 60	77 59	70 51	70 50	71 52	72 56	75 57	70 61	69 58	75 53	77 57	76 59	73 58	78 55	78 60	73 61	76 53	80 61	78 63	71 59	73 51	71 59	70 51	72 53	74 54	77 53	78 59	77 61	78 61	72 60	74.3 57.1	
OAKLAND 1 SE	MAX MIN	81 64	80 63	79 55	72 52	74 50	74 50	78 55	79 55	74 58	71 59	78 48	80 50	80 58	80 58	84 52	83 55	81 59	82 51	82 62	81 60	79 63	76 50	73 64	70 53	76 48	78 49	80 50	80 56	80 58	80 58	74 62	78.0 55.6	
SAVAGE RIVER DAM	MAX MIN	85 68	83 65	80 57	81 56	75 52	79 54	77 56	78 59	81 60	75 60	75 54	82 56	85 59	86 61	83 56	87 59	86 59	80 44	82 54	86 64	84 65	81 51	79 53	77 57	74 53	79 55	80 56	83 56	83 60	84 60	84 61	81.1 57.4	
SINES DEEP CREEK 2	MAX MIN																																	
DELAWARE																																		
* * *																																		
NORTHERN 01																																		
MIDDLETOWN 1 WSW	MAX MIN	90 73	92 73	89 63	88 62	86 59	82 58	86 60	87 61	84 61	81 65	83 64	90 63	91 67	90 67	89 64	92 66	91 71	86 68	86 68	90 66	90 69	84 53	81 69	83 58	90 57	88 57	91 60	93 64	92 66	91 66	84 68	87.7 64.1	
NEWARK UNIVERSITY FARM	MAX MIN	91 73	90 72	89 62	85 61	82 58	82 59	85 58	87 63	86 62	82 63	83 63	89 62	90 64	90 67	89 64	90 66	89 66	86 58	85 60	90 68	85 68	83 52	82 66	81 59	85 58	85 60	88 61	90 66	90 67	89 61	86 68	86.6 63.2	
WILMGTON NCATTLE WB AP	MAX MIN	91 76	91 73	88 68	81 64	82 62	84 64	85 64	87 68	85 69	82 71	86 68	91 66	92 71	89 68	90 68	91 71	89 69	86 63	83 68	87 70	84 64	84 58	81 69	81 63	84 63	86 66	89 66	90 69	90 71	85 64	82 63	86.3 67.1	
WILMGTON PORTER RESVR	MAX MIN	88 69	87 70	86 64	77 62	79 61	82 60	83 61	85 64	85 63	80 64	81 63	87 63	89 66	88 67	87 65	90 68	86 69	83 62	81 63	86 68	80 64	82 56	79 67	78 54	83 60	83 62	87 63	89 66	87 70	85 60	79 60	83.9 63.7	
* * *																																		
SOUTHERN 02																																		
BRIDGEVILLE 1 NW	MAX MIN	92 73	91 74	89 63	81 67	82 57	80 56	85 56	86 57	85 60	78 65	84 66	90 62	92 64	92 65	90 63	90 65	90 72	88 59	84 63	90 63	85 67	85 52	84 65	82 62	85 58	84 59	88 59	90 64	91 64	90 65	87 72	86.8 63.1	
DOVER	MAX MIN	93 73	92 74	90 65	85 67	87 60	81 59	84 58	85 62	84 63	83 65	84 65	90 64	92 67	91 67	88 65	92 68	91 72	88 60	87 64	89 65	87 68	83 57	84 65	82 62	83 65	85 60	90 63	91 67	91 71	90 69	88 64	87.5 65.5	
GEORGETOWN 5 SW	MAX MIN	87 74	92 74	89 66	88 68	79 57	82 57	81 55	83 57	86 60	88 65	77 68	82 61	88 65	87 65	89 65	91 67	89 71	88 61	87 63	85 68	89 61	83 57	84 65	84 63	81 58	84 58	83 59	87 65	90 67	91 66	88 71	85.9 64.0	
LEWES 1 SW	MAX MIN	92 74	91 76	90 75	78 68	79 59	78 59	80 58	83 59	81 63	77 64	90 66	88 63	87 67	88 65	87 65	87 68	89 72	84 61	82 65	88 68	80 68	80 59	86 70	79 67	81 60	79 60	90 62	91 67	90 68	83 67	87 70	84.7 65.6	
MILFORD 2 WSW	MAX MIN	93 73	92 73	91 68	90 67	82 56	81 55	85 58	88 58	84 60	81 64	84 68	90 62	94 64	93 66	90 63	93 66	91 72	88 58	86 63	91 65	90 68	85 51	84 67	84 61	85 56	84 58	90 60	93 65	93 64	93 64	90 72	88.3 63.4	
SELBYVILLE	MAX MIN																																	

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MARYLAND AND DELAWARE
AUGUST 1970

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STATION INDEX

MARYLAND AND DELAWARE
AUGUST 1970

STATION	INDEX NO.	DIVISION	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	
								TEMP.	PRECIP.	EVAP.	SPECIAL		
MARYLAND													
ABERDEEN PHILLIPS FLD	0015	04	HANFORD	1	39 28	76 10	57	5P				ROSS AVIATION INC.	
ANNAPOLIS	0193	04	ANNE ARUNDEL	1	39 28	76 30	40	6P				ARTHUR N. MILLER	
ASSATEAGUE STATE PARK	0335	01	WORCESTER	2	39 14	75 08	7	6P				ASSATEAGUE STATE PARK	
BALTIMORE W. AIRPORT	0405	04	ANNE ARUNDEL	3	39 11	76 40	148	MID	MID		H	U.S. WEATHER BUREAU	
BALTIMORE W. CITY	0410	04	BALTO CITY	3	39 17	76 37	1	MID	MID			U.S. WEATHER BUREAU	
BELTSVILLE	0700	04	PRIN. GEORGES	5	39 02	76 59	120	8A				CHESTER H. GORDON	
BELTSVILLE PLANT STA 3	0705	04	PRIN. GEORGES	5	39 01	76 57	100	9A				USDA PLANT IND. STA.	
BENSON POLICE BARRACKS	0732	04	HARFORD	1	39 30	76 23	365	5P				MD. STATE POLICE	
BITTINGER 2 NW	0881	08	GARRETT	7	39 37	79 15	2700	7P			H	ELBERT E. BUCKEL	
BLACKWATER REFUGE	0912	02	GORCHESTER	1	39 28	76 08	5	5P				NAT. WILDLIFE REFUGE	
BODKESBORD	0986	07	WASHINGTON	5	39 31	77 39	735	6P		6P		J. HOWARD RECKENBAUGH	
BOYDS 2 NW	1032	06	MONTGOMERY	5	39 13	77 20	500	6P				HUNTER F. STALEY	
BRIGHTON DAM	1123	06	MONTGOMERY	4	39 12	77 01	390	8A				WASH. SUB. SANV. COMM.	
BROCKDALE	1170	06	MONTGOMERY	5	39 57	77 06	260	7P			H	B. FRANCIS DASHIELL	
CAMBRIDGE 4 W	1381	02	GORCHESTER	1	38 34	76 09	5	6P				S. ARCY MC R. HARDING	
CATCOTT MOUNTAIN PARK	1530	06	FREDERICK	5	39 39	77 27	1750	4P				CATCOTT MOUNTAIN PARK	
CENTREVILLE	1627	05	QUEEN ANNES	1	39 03	76 09	46	6P				MARION G. LEIBY	
CHARLOTTE HALL 2 SE	1686	08	ST. MARYS	4	38 28	76 45	168	5P				MRS. SUSAN M. CARRICO	
CHESTERSTOWN	1750	05	KENT	1	39 13	76 04	40	11P	11P		H	T. W. ELIASON, JR.	
CHEWSTOWN BRIDGEPORT	1790	07	WASHINGTON	5	39 39	77 40	550	6P				LAWSON H. WOLFINGER	
CLARKSVILLE 3 NNE	1862	06	HOWARD	4	39 15	76 56	368	5P				UNIVERSITY OF MARYLAND	
COLEMAN 3 NW	1980	05	KENT	1	39 21	76 08	78	6P				W. B. HARRIS	
COLLEGE PARK	1995	04	PRIN. GEORGES	5	38 59	76 55	70	5P			C	U.S. GED. SURVEY	
CODWINGDAM	2050	06	HARFORD	6	39 39	76 10	40	11P	11P			SUSQUEHANNA ELECTRIC CO.	
CRISFIELD SOWERS COVE	2215	01	SOMERSET	1	37 59	75 52	8	5P				SOMERS COVE MARINA	
CUMBERLAND	2280	07	ALLEGANY	5	39 39	78 45	900	6P		7A	H	TIMOTHY B. THOMAS	
CUMBERLAND POLICE BRKS	2285	07	ALLEGANY	5	39 38	78 50	970	5P				MD. STATE POLICE	
DENTON 1 NW	2525	02	CAROLINE	1	38 54	75 51	40	6P				WAYNE A. CAULEY	
EASTERN NECK ISLAND	2641	05	KENT	1	39 01	76 14	20	5P				EASTERN NECK WILDLIFE REF.	
EASTON POLICE BARRACKS	2700	02	TALBOT	1	38 45	76 04	40	5P				MARYLAND STATE POLICE	
EDGEHONY	2770	07	WASHINGTON	5	39 40	77 33	905	7A				LEE G. HARNE	
ELKTON	2860	04	CECIL	1	39 37	75 50	40	6P				M. W. BOUCHELLE	
EMMITSBURG 2 SE	2900	08	FREDERICK	5	39 41	77 13	410	5P			H	MRS. LUCILLE K. SEALE	
FORT GEORGE G. MEADE	3230	04	ANNE ARUNDEL	4	39 06	76 43	140	5P			H	FILTRATION PLANT	
FREDERICK WFO	3350	04	FREDERICK	5	39 24	77 28	435	6P				RADIO STATION WFO	
FREDERICK 3 E	3355	08	FREDERICK	5	39 24	77 22	395	8A				MISS L. MARY STALEY	
FROSTBURG	3410	07	ALLEGANY	5	39 39	78 56	2140	5P				G. DAVID DOWNTON	
GLENN DALE BELL STA	3675	04	PRIN. GEORGES	4	38 58	76 48	152	4P				PLANT INTRO. GARDEN	
GRANTSVILLE	3795	08	GARRETT	7	39 42	79 09	2380	4P			C	MRS. FANNIE B. MILLER	
HAGERSTOWN	3975	07	WASHINGTON	5	39 39	77 44	650	6P				HAGERSTOWN RESERVOIR	
HANCOCK FRUIT LAB	4030	07	WASHINGTON	5	39 42	76 11	428	8A			C	U. OF MD. FRUIT LAB.	
LA PLATA 1 W	5080	03	CHARLES	5	38 32	77 00	140	5P				C. RUSSELL LEVERING	
LAUREL 3 W	5111	04	PRIN. GEORGES	4	39 06	76 54	400	5P		7A	C	WASH. SUB. SANV. COMM.	
LEONARDTOWN 3 NW	5201	03	ST. MARYS	5	38 19	76 40	110	5P			H	RADIO STATION WKIK	
LOCK RAVEN DAM	5340	06	BALTIMORE	1	39 26	76 39	190	5P				CITY OF BALTIMORE	
MERRILL	5840	08	GARRETT	5	39 36	76 05	1790	8A				DELWOOD E. MERRILL	
MILLINGTON	5985	05	KENT	1	39 16	75 51	30	6P				LOUIS H. HOLLETT	
NEW GERMANY	6408	08	GARRETT	5	39 38	79 07	2590	5P				ARCHE BITTINGER	
OWAKLAND 1 SE	6620	08	GARRETT	7	39 24	79 24	2420	5P			C	LOGAN KERR	
OWINGS FERRY LANDING	6770	03	CALVERT	4	38 41	76 40	100	5P				JAMES E. BOURNE, JR.	
PARKTON 2 SW	6844	04	BALTIMORE	1	39 38	76 42	600	11P	11P		C	JOHN R. FOX	
PERRY POINT	6860	06	CECIL	1	39 33	76 04	40	6P				VETERANS ADMINISTRATION	
PICARDY	7010	07	ALLEGANY	5	39 33	76 31	1030	6P				POTOMAC WILDL. ORCHARD	
POTOMAC CITY 1 S	7140	01	WORCESTER	1	39 03	75 34	20	5P			H	RADIO STATION WDMV	
POTOMAC FILTER PLANT	7272	06	MONTGOMERY	5	39 02	77 15	270	8A				WASH. SANITARY COMM.	
PRESTON 1 S	7310	02	CAROLINE	1	38 42	75 55	80	6P				FRANKLIN D. NUSSBAUM	
PRINCE FREDERICK 1 N	7325	03	CALVERT	1	38 33	76 35	195	5P				STANLEY L. WATSON	
PRINCESS ANNE	7330	01	SOMERSET	1	38 13	75 41	20	5P			H	MARYLAND ST. COLLEGE PRM	
ROCKVILLE 4 NW	7705	06	MONTGOMERY	5	39 07	77 06	380	5P				WILLIAM R. COPPER	
ROYAL OAK	7804	02	TALBOT	1	38 43	76 11	10	6P			H	J. L. SHAWNE, JR.	
SALISBURY													
SALISBURY FAA AIRPORT	8000	01	WICOMICO	1	38 22	75 35	10	5P	5P			CITY OF SALISBURY	
SAVAGE RIVER DAM	8005	01	WICOMICO	1	38 20	75 30	48	MID	MID		H	FED. AVIATION AGENCY	
SINES DEEP CREEK	8015	08	GARRETT	5	39 31	79 08	1495	8A	8A		BAC	U.S. CORPS OF ENGINEERS	
SINES DEEP CREEK 2	8315	08	GARRETT	7	39 32	79 25	2040	1	1			PA. ELECTRIC CO.	
SNOW HILL 4 N	8380	01	WORCESTER	1	39 14	75 23	28	6P			H	MRS. THELMA NEAM	
SOLDIERS	8405	08	CALVERT	1	38 19	76 27	12	5P	6P			CURTIS E. SHOCKLEY	
SUITLAND	8656	04	PRIN. GEORGES	5	39 51	76 56	370	9A	9A			CHESAPEAKE BTL. LAB.	
TOWSON	8877	06	BALTIMORE	3	39 23	76 34	390	6P	6P			EUGENE M. BROWN	
UNIONVILLE	9030	06	FREDERICK	5	39 27	77 11	450	6P	6P		C	BENDIX FRIEZ	
UPPER MARLBOROUGH 3 NW	9070	04	PRIN. GEORGES	4	38 52	76 47	98	8A	8A		BA	G. P. VON EFF, JR.	
VIENNA	9140	02	GORCHESTER	1	38 29	75 50	12	6P	6P			TOBACCO EXP. FARM	
WALDORF POLICE BRKS	9195	03	CHARLES	5	38 39	76 53	210	5P				DELPERVE POWER & LIGHT	
WESTERNPORT UPRC	9409	07	ALLEGANY	5	39 29	79 09	920	6P	6P			UPPER POTOMAC RIVER COM.	
WESTMINSTER 2 SSE	9435	08	CARROLL	1	39 33	76 59	810	6P	7A		H	L. EUGENE PURDUM	
WHEATON REGIONAL PARK	9502	04	MONTGOMERY	5	39 04	77 02	330	5P	5P			PARK & PLANNING COMM.	
WILLIAMSPORT	9570	07	WASHINGTON	5	39 37	77 51	350	7A	7A			HAGERSTOWN MTR. PLANT	
WOODSTOCK	9750	06	BALTIMORE	3	39 20	76 52	415	6P	6P		H	WOODSTOCK COLLEGE	
DISTRICT OF COLUMBIA													
CALCARELLA RESERVOIR D.C.	9325	04		5	38 56	77 07	148	5P	5P			CONPS OF ENGINEERS	
NATIONAL ARBRETUM D.C.	9350	04		5	38 54	76 59	50	4P	4P			U.S. NAT. ARBRETUM	
U. S. SOLDIERS HOME D.C.	9035	04		5	38 56	77 01	230	MID	MID			U.S. SOLDIERS HOME	
DELAWARE													
BRIDGEVILLE 1 NW	1330	02	SUSSEX	1	38 48	75 37	50	5P	5P		H	WILLIAM RAY	
DOVER	2730	02	KENT	2	39 09	75 31	30	5P	5P		H	STATE HIGHWAY DEPT.	
GEORGETOWN 5 SW	2970	02	SUSSEX	1	38 38	75 28	45	8A	8A		BAC	UNI. AGRI. EXP. STA.	
LEWIS 1 SW	3320	02	SUSSEX	2	38 46	75 09	20	6P	MID			FREDERICK D. VOO	
MIDDLETOWN 1 NW	3632	01	NEW CASTLE	2	39 26	75 45	60	4P	4P		H	PIONEER HIBRO CORN CO.	
MILFORD 2 NW	3915	02	SUSSEX	2	38 54	75 28	30	5P	5P			MRS. BERNARD FRANKEL	
NEWMARK UNIVERSITY FARM	4110	01	NEW CASTLE	2	39 40	75 44	90	6P	6P		6P	C	UNIV. OF DELAWARE
SELBYVILLE	6206	02	SUSSEX	2	38 28	75 13	32	5P	5P			L. MARIE LONG	
WILMINGTON NCATTLE NB AP	6595	01	NEW CASTLE	2	39 40	75 36	74	MID	MID		C	H	U.S. WEATHER BUREAU
WILMINGTON PORTER RESERV	9005	01	NEW CASTLE	2	39 40	75 32	274	MID	MID				WATER DEPARTMENT

DRAINAGE CODE: 1-CHESAPEAKE 2-COASTAL 3-PATAPSCO 4-PATUXENT 5-POTOMAC 6-SUSQUEHANNA 7-YOUGHIOPENY

REFERENCE NOTES

MARYLAND AND DELAWARE
AUGUST 1970

Additional information regarding the climate of Maryland and Delaware may be obtained by writing to the Environmental Science Services Administration State Climatologist, Room 34, Symons Hall, University of Maryland, College Park, Maryland 20740, or to any Weather Bureau Office near you. Additional precipitation data are contained in "HOURLY PRECIPITATION DATA MARYLAND AND DELAWARE".

DIMENSIONAL UNITS: Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F. In "Supplemental Data" table directions entered in figures are tens of degrees. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations.

OBSERVATION TIME: The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time. Snow on the ground in the "Snowfall and Snow on Ground" table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T. Data in the "Extremes" table, "Daily Precipitation" table, "Daily Temperature" table, "Evaporation and Wind" table, and snowfall in the "Snowfall and Snow on Ground" table, when published, are for the 24 hours ending at time of observation.

EVAPORATION is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the Evaporation and Wind table. Max and Min values in the Evaporation and Wind table are extremes of temperature of water in pan as recorded during 24 hours ending at time of observation. Wind is the total wind movement in miles over the evaporation pan as determined by a continuous anemometer recorder located 6-8 inches above the pan.

WATER EQUIVALENT values published in the "Snowfall and Snow on Ground" table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

SNOWFALL: Entries of snowfall in the "Climatological Data" table, the "Snowfall and Snow on Ground" table, and in the "Seasonal Snowfall" table, include snow and sleet. Entries of snow on ground include snow, sleet, and ice.

NORMALS for all stations are climatological standard normals based on the period 1931-1960.

DIVISIONS, as used in this publication, became effective with data for October 1956.

STATION NAMES: Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

SEASONAL TABLES: Monthly and seasonal snowfall and heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this Bulletin.

DELAYED DATA AND CORRECTIONS will be carried only in the June and December issues of this bulletin.

INTERPOLATED VALUES for monthly precipitation totals may be found in the annual issue of this publication.

IN THE DATA TABLES THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING:

- No record in the "Supplemental Data" table, "Daily Precipitation" table, "Evaporation and Wind" table, "Snowfall and Snow on Ground" table, and the Station Index.
- No record in the "Climatological Data" table and the "Daily Temperature" table is indicated by no entry.
- + And also on an earlier date or dates.
- ++ Highest observed one minute windspeed. This station is not equipped with an instrument to measure fastest mile data.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windshield.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- T Trace, an amount too small to measure.
- V Includes total for previous month.

IN THE STATION INDEX THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING:

- AR This entry in time of observation column in Station Index means after rain.
- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in the "Hourly Precipitation Data" bulletin. If daily amounts are published in "Climatological Data" bulletin they are from a separate non-recording gage, except where indicated by reference "R". Such amounts may differ from amounts published from the recording gage in the "Hourly Precipitation Data" bulletin.
- G "Soil Temperature" table.
- H "Snowfall and Snow on Ground" table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" table.
- SS This entry in time of observation column in Station Index means observation made near sunset.
- VAR This entry in time of observation column in Station Index means variable.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, this reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

Stations appearing in the tables with no data were either missing or received too late to be included in this issue.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, CLIMATOLOGICAL DATA NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for these States, price 25 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data, price 15 cents. These publications may be obtained from the Superintendent of Documents at the address shown above.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402.

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