



# CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

U. S. DEPARTMENT OF COMMERCE

ALEXANDER S. TROWBRIDGE, Secretary

ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
ENVIRONMENTAL DATA SERVICE

AUGUST 1967

Volume 71 No. 8

## CLIMATOLOGICAL 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			
										90° or Above	80° or Above	70° or Above	60° or Above	50° or Above					Total	Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
MARYLAND																									
* * * * *																									
SOUTHERN EASTERN SHORE 01																									
CRISFIELD SOMERS COVE	82.2	69.0	75.6	- 2.4	92 3	61 15*		0 1 0 0 0	6.45	1.40	1.51	24	.0	0			14	4	2						
OCEAN CITY MOTEL																									
POCOMOKE CITY 1 S																									
PRINCESS ANNE	82.8	64.5	73.7		92 3	53 17		0 1 0 0 0	9.13		2.74	23	.0	0			13	6	2						
SALISBURY	83.4	66.1	74.8		91 20*	58 16*		0 3 0 0 0	13.69	7.68	2.77	4	.0	0			14	8	5						
SALISBURY FAA AIRPORT																									
SNOW HILL	82.9	67.5	75.2		92 3	58 17*		0 1 0 0 0	12.35		3.27	4	.0	0			14	8	5						
DIVISION			74.8	- 1.1						10.07	4.64			.0											
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CENTRAL EASTERN SHORE 02																									
BLACKWATER REFUGE	82.2	68.0	75.1		88 3	59 17*		0 0 0 0 0	10.05		4.53	25	.0	0			10	5	3						
CAMBRIDGE 4 W	82.3	65.3	73.8		90 3	54 15		0 1 0 0 0	8.94		2.53	25	.0	0			12	8	2						
DENTON 1 WNW	82.6	65.0	73.8		90 18*	55 15		0 2 0 0 0	19.08		7.24	4	.0	0			13	9	6						
EASTON POLICE BARRACKS	83.1	64.6	73.9	- 1.7	91 16*	57 15		0 1 0 0 0	11.85	6.82	2.35	4	.0	0			14	9	4						
PRESTON 1 S	82.5	64.5	73.5		90 3	55 15		0 1 0 0 0	14.50		4.48	4	.0	0			13	9	4						
ROYAL OAK	84.1	66.0	75.1		91 3	57 14		0 3 0 0 0	11.38		2.62	23	.0	0			15	6	4						
VIENNA	83.2	66.3	74.8		90 4*	57 15		0 2 0 0 0	14.28		2.14	25	.0	0			16	12	6						
DIVISION			74.3	- 1.4					12.87	7.69			.0												
* * * * *																									
LOWER SOUTHERN 03																									
CHARLOTTE HALL SCHOOL	83.0	65.2	74.1		90 19*	51 20		0 3 0 0 0	6.15		1.95	23	.0	0			11	3	2						
LA PLATA 1 W	83.7	63.0M	73.4M		92 3	52 15		0 5 0 0 0	7.81		2.39	23	.0	0			13	5	3						
LEONARDTOWN 3 NW	83.5	65.0	74.3	- .8	91 18*	56 15		0 4 0 0 0	5.20	-.11	1.71	24	.0	0			11	2	1						
OWINGS FERRY LANDING											2.25	23	.0	0											
PRINCE FREDERICK																									
SOLOMONS	83.2M	69.9M	76.6M	- 1.2	91 3	64 14		0 2 0 0 0	7.77	2.77	1.81	23	.0	0			8	7	3						
WALDORF POLICE BRKS	85.7	63.3	74.5		92 4*	54 15		0 6 0 0 0	7.93		2.00	27*	.0	0			8	6	3						
DIVISION			74.6	- .9					6.97	1.70			.0												
* * * * *																									
UPPER SOUTHERN 04																									
ANNAPOLIS	82.7	66.5	74.6	- 1.4	91 3	60 15*		0 1 0 0 0	10.94	6.44	2.31	25	.0	0			13	9	4						
BALTIMORE WB AIRPORT	81.8	64.9	73.4	- 1.6	93 3	58 15*		0 1 0 0 0	8.87	3.68	2.18	3	.0	0			11	6	4						
BELTSVILLE	82.4	63.1	72.8		91 4	54 15*		1 1 0 0 0	9.39		2.58	25	.0	0			9	7	4						
BELTSVILLE PLANT STA 5	82.2	61.5	71.9		91 19*	52 14		3 2 0 0 0	11.52		2.95	25	.0	0			9	7	5						
COLLEGE PARK	84.5	63.7	74.1	- 1.0	92 3	55 15*		0 5 0 0 0	11.00	5.85	2.26	23	.0	0			9	7	6						
DALECARLIA RESVR D C	84.7	64.8	74.8		90 18*	54 16		0 5 0 0 0	9.65		2.96	25	.0	0			10	7	4						
FORT GEORGE G MEADE	83.5	63.2	73.4*		92 3	55 15		0 2 0 0 0	8.50		1.54	25	.0	0			11	6	4						
GLENN DALE BELL STA	84.3	61.9	73.1	- 1.2	92 3	53 15*		0 5 0 0 0	9.88	4.81	2.35	4	.0	0			9	8	6						
LAUREL 3 W	83.0	65.4	74.2		91 3	60 14		0 2 0 0 0	9.27		3.90	25	.0	0			8	5	3						
NATIONAL ARBORETUM D C	84.6	65.4	75.0		92 18	56 14		0 5 0 0 0	9.08		1.56	4	.0	0			9	7	4						
SUITLEND	82.5	65.5	74.0		91 19*	57 14		1 3 0 0 0	7.58		1.73	28	.0	0			9	5	4						
U. S. SOLDIERS HOME DC	82.7	65.2M	74.0M		91 3	59 14		0 2 0 0 0	11.57		3.05	24	.0	0			10	7	6						
UPPER MARLBORO 3 NNW	83.4	61.0	72.2		93 3	51 15		0 3 0 0 0	7.40		1.53	25*	.0	0			10	5	4						
DIVISION			73.7	- 1.4					9.59	4.58			.0												
* * * * *																									
NORTHERN EASTERN SHORE 05																									
CENTREVILLE	82.4	64.5	73.5		90 3	56 14		0 1 0 0 0	10.57		4.95	4	.0	0			11	6	1						
CHESTERTOWN	82.5	65.5	74.0		89 18*	60 15*		0 0 0 0 0	9.50		2.63	4	.0	0			11	6	2						
COLEMAN 3 WNW	84.6	65.5	75.1	- .9	92 3	60 17*		0 2 0 0 0	7.83	2.86	1.92	4	.0	0			9	7	4						
MILLINGTON	83.4	63.7	73.6	- 1.1	90 5*	55 15		0 3 0 0 0	11.49	6.60	4.33	4	.0	0			10	6	4						
ROCK HALL																									
DIVISION			74.1	- 1.4					9.85	5.10			.0												
* * * * *																									
NORTHERN CENTRAL 06																									
ABERDEEN PHILLIPS FLD	81.1	64.4	72.8		88 4*	57 15*		0 0 0 0 0	13.62		4.15	4	.0	0			12	9	5						
BALTIMORE WB CITY	84.3	69.7	77.0	- .3	94 3	62 31		0 4 0 0 0	10.51	5.91	2.57	3	.0	0			12	8	5						
BENSON POLICE BARRACKS	81.8	62.8	72.3		89 18	55 15		2 0 0 0 0	17.80		3.55	27	.0	0			13	10	7						
BOYDS 2 NW	80.9	62.8	71.9		88 3	55 14		3 0 0 0 0	8.33		1.51	27	.0	0			10	6	5						
CONOWINGO DAM	80.9	63.8	72.4		89 3	58 30*		1 0 0 0 0	12.22		2.40	9	.0	0			12	9	5						
ELKTON	83.8	64.3	74.1	- .4	91 9	57 15*		0 2 0 0 0	11.25	6.23	2.65	4	.0	0			11	8	5						
EMWITSBURG 2 SE	81.6	60.1	70.9		90 3	48 14		3 1 0 0 0	5.64		1.52	24	.0	0			8	4	4						
FREDERICK WFD	81.5	62.9	72.2	- 1.7	89 3	54 14		2 0 0 0 0	6.89	2.56	1.20	24	.0	0			9	6	4						
PARKTON 2 SW	78.9	60.4	69.7		86 18*	54 15		5 0 0 0 0	12.05		2.32	3	.0	0			10	9	5						
ROCKVILLE	82.9	63.0	73.0		89 18*	55 15		2 0 0 0 0	6.53		2.05	25	.0	0			9	5	2						
TOWSON																									

# CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE  
AUGUST 1967

CONTINUED

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			
										90° or Above	87° or 87° or Below	84° or 84° or Below	81° or 81° or Below					Total	Total	Max. Depth on Ground	Days	.10 or More	.50 or More	1.00 or More
UNIONVILLE	80.0	60.7	70.4		89	1	50	14	3	0	0	0	0	6.43				.0	0		9	5	3	
WESTMINSTER 2 SSE	79.1	61.9	70.5	- 2.7	87	3	54	14	4	0	0	0	0	8.49	3.70	1.43	24	.0	0		12	6	4	
WHEATON REGIONAL PARK	81.1	63.1	72.1		88	19*	56	15*	1	0	0	0	0	8.95		2.82	25	.0	0		8	6	4	
WOODSTOCK					91	3										2.20	28	.0	0					
DIVISION			72.3	- 1.5										9.90	5.30			.0						
* * *																								
APPALACHIAN MOUNTAIN																								
BOONSBORO	80.9	62.2	71.6		88	3	54	14+	2	0	0	0	0	4.43		.90	24*	.0	0		9	5	0	
CHEWSVILLE BRIDGEPORT	81.5	60.5	71.0	- 1.5	90	3	50	14	3	1	0	0	0	4.23	.23	1.12	4	.0	0		7	3	2	
CUMBERLAND	83.2	58.8	71.0		93	2	51	14+	3	4	0	0	0	2.42		.67	25	.0	0		9	1	0	
CUMBERLAND POLICE BRKS	81.3	58.3	69.8		89	4	48	14	6	0	0	0	0	2.15		.46	27	.0	0		7	0	0	
FROSTBURG																								
HAGERSTOWN	80.9	61.6	71.3		90	3	53	24+	4	1	0	0	0	5.30		1.07	5	.0	0		10	4	2	
HANCOCK FRUIT LAB	80.8	60.3	70.6		89	4	51	12	5	0	0	0	0	4.42	1.01	2.00	3	.0	0		8	2	1	
PICARDY	80.8	58.5	69.7		89	3	49	14+	9	0	0	0	0	4.35		1.42	3	.0	0		10	3	1	
WESTERNPORT	81.0	58.6	69.8	- 3.0	89	2	50	14+	9	0	0	0	0	2.80	- 1.38	.44	24	.0	0		10	0	0	
DIVISION			70.6	- 1.9										3.76	- .13			.0						
* * *																								
ALLEGHENY PLATEAU																								
BITTINGER 2 NW	71.5	53.9	62.7		78	4*	46	13+	84	0	0	0	0	3.58		1.02	4	.0	0		7	3	1	
OAKLAND 1 SE	74.6	53.9	64.3	- 2.7	83	2	43	14+	60	0	0	0	0	2.95	- 1.55	.62	26	.0	0		9	2	0	
SAVAGE RIVER DAM	75.8	56.3	66.1		85	17	49	14+	35	0	0	0	0	2.93		.76	28	.0	0		8	3	0	
SINES DEEP CREEK 2	74.0	54.4	64.2	- 1.9	82	3*	42	13	59	0	0	0	0	4.69	.20	1.47	4	.0	0		10	2	1	
DIVISION			64.3	- 2.3										3.54	- .83			.0						
DELAWARE																								
* * *																								
NORTHERN																								
MIDDLETOWN 1 WSW	82.5	63.2	72.9		89	19*	55	16+	0	0	0	0	0	6.02		2.31	10	.0	0		10	3	2	
NEWARK UNIVERSITY FARM	82.3	63.9M	73.1M		89	3	58	30	0	0	0	0	0	12.42		3.86	10	.0	0		11	7	3	
WILMGTN NCASTLE WB AP	80.5	65.0	72.8	- 1.5	87	19	59	14	0	0	0	0	0	11.16	5.57	2.61	9	.0	0		11	8	3	
WILMGTN PORTER RESVR	79.8	64.5	72.2		86	18	58	31	2	0	0	0	0	12.41	7.09	3.02	9	.0	0		11	8	4	
DIVISION			72.8	- 1.5										10.50	5.26			.0						
* * *																								
SOUTHERN																								
BRIDGEVILLE 1 NW	82.8	60.8	71.8	- 2.7	89	3	52	17+	0	0	0	0	0	17.69	12.14	6.95	4	.0	0		13	6	5	
DOVER	83.2	64.6	73.9	- 1.5	90	19*	57	14	0	2	0	0	0	15.44	9.73	6.03	4	.0	0		11	8	5	
GEORGETOWN 5 SW	82.5	63.7	73.1		90	19*	53	17	0	0	0	0	0	14.15		3.58	4	.0	0		14	8	5	
LEWES 1 SW	80.2	65.8	73.0		89	19*	57	17+	0	0	0	0	0	13.73		4.65	4	.0	0		12	7	5	
MILFORD 2 WSW	82.1	64.3	73.2		90	3	55	17	0	1	0	0	0	13.55		5.40	4	.0	0		12	10	4	
SELBYVILLE	82.9	65.1	74.0		90	19*	55	16+	0	2	0	0	0	13.56		3.00	4	.0	0		14	8	4	
DIVISION			73.2	- 1.7										14.69	9.07			.0						

## TEMPERATURE AND PRECIPITATION EXTREMES

- HIGHEST TEMPERATURE: 94° ON THE 3D AT BALTIMORE WB CITY
- LOWEST TEMPERATURE: 42° ON THE 13TH AT SINES DEEP CREEK 2, MD.
- GREATEST TOTAL PRECIPITATION: 19.08 INCHES AT DENTON 1 WNW, MD.
- LEAST TOTAL PRECIPITATION: 2.15 INCHES AT CUMBERLAND POLICE BKS, MD.
- GREATEST ONE-DAY PRECIPITATION: 7.24 INCHES ON THE 4TH AT DENTON 1 WNW, MD.



# DAILY PRECIPITATION

MARYLAND AND DELAWARE  
AUGUST 1967

Continued

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
<b>DELAWARE</b>																																
* * * NORTHERN 01																																
MIDDLETOWN 1 WSW	6.02	.13	.12	.85	.05					2.31											.28	.15	.03	T	.32	1.19	.02	.37	.20			
NEWARK UNIVERSITY FARM	12.42	.18	.03	3.35	.62		T			3.66											.95	T	.18	T	.14	.99	.15	1.57	.60			
WILMINGTON NCATTLE WS AP	11.16	.04	T	2.08	.98	T			T	2.61	.47			T							.82	.13	.08	.52	.37	.88	.80	1.37	.01			
WILMINGTON PORTER RESVR	12.41	.05	1.54	.85	T				T	3.02	1.50			T							T	.30	.12	.22	T	.62	.99	.88	2.32			
* * * SOUTHERN 02																																
BRIDGEVILLE 1 NW	17.69	1.48	.06	6.95	2.20				T		.18	.03	.14								T	.40	.43	.57	1.48	.43	2.85	.15	.34			
DOVER	15.46	.42		6.03	2.58						.27		.01								.61	.18	.09	.64	.78	2.84	.51	T	.50			
GEORGETOWN 5 SW	14.15	1.30	.32	3.58	1.15						.36	.03	.02	.12								.11	.11	.30	.80	.85	2.56	.83				1.71
LEWES 1 SW	13.73	.71	.25	4.65	2.13						.20	.02	.09	.08							.02	.06	.31	.30	1.08	.58	1.73	.36	.01			1.15
WILFORD 2 WSW	13.55	.03	T	5.40	.72						.26	.06	T	.12								.64	.59	1.62	1.07	.54	1.37	.59	.53	.03		
SELBYVILLE	13.56	.07		3.00	2.43	.26					.73	.18	.44	.11								.37	T		.41	1.98	.92	.98	T	.59		1.09

# EVAPORATION AND WIND

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		
<b>MARYLAND</b>																																		
* * * UPPER SOUTHERN 04																																		
BELTSVILLE	EVAP	.16	.27	.23	.35	-	.24	.14	.21	.30	.16	.26	.32	.21	.09	.23	.21	*	.13	.11	.09	.31	-	.19	-	-	-	.05	.19	.17	.12	.16	5.848	
	WIND	15	17	39	32	26	13	18	21	20	36	22	35	27	18	7	7	8	5	7	8	12	5	7	59	42	6	16	16	26	9	15	594	
	MIN	90	95	92	94	96	93	93	87	88	90	88	85	79	77	89	88	88	87	93	94	82	76	87	71	67	80	85	83	88	88	87	86.4	
UPPER MARLBORO 3 NNW	EVAP	.15	.25	.26	.22	.11	.25	.25	.14	.07	.36	.06	.37	.18	.05	.23	.17	.21	.15	.30	-	-	.07	.11	-	-	.10	.15	.08	.24	.17	.17	5.598	
	WIND	5	3	24	20	12	3	4	5	2	36	9	26	21	22	5	7	4	7	11	9	16	0	4	21	11	1	3	3	8	2	11	315	
	MIN	94	96	96	95	94	90	95	93	95	99	91	86	87	87	94	94	93	89	92	90	96	80	84	70	71	90	92	92	90	92	91	90.3	
* * * APPALACHIAN MOUNTAIN 07	BOONSBORO	EVAP	.11	.14	.19	.16	-	.19	.14	.07	.18	.19	.13	.17	.09	.13	.12	.14	.13	.12	.13	.05	.09	.08	.13	.03	.02	.06	.10	.10	.11	.12	.12	3.668
	WIND	5	7	23	14	10	3	8	8	25	17	13	10	5	6	4	4	5	4	3	6	2	5	16	31	7	3	5	15	3	1	7	275	
	MIN	89	90	97	91	85	91	83	90	90	85	83	83	80	88	89	87	88	90	90	81	81	87	85	69	72	80	80	76	85	86	85	85.0	
* * * ALLEGHENY PLATEAU 08	SAVAGE RIVER DAM	EVAP	.11	.23	.26	.03	.21	.16	.20	.16	.03	.19	.06	.23	.16	.07	.14	.18	.20	.12	.10	.04	.15	.10	.18	.10	-	-	.25	.00	.28	.20	.04	4.478
	WIND	-	-	-	-	39	51	47	49	32	38	28	84	39	37	31	42	28	29	31	36	11	61	32	61	42	31	10	28	109	56	35	12848	
	MIN	81	81	89	87	86	84	86	84	90	90	77	80	80	73	84	89	87	89	92	92	92	78	72	62	62	78	78	72	72	84	83	82.2	
DELAWARE	* * * NORTHERN 01																																	
	NEWARK UNIVERSITY FARM	EVAP	.05	.25	.10	-	-	.16	.17	.11	.12	-	.06	.30	.10	*	.18	.34	.11	.19	.20	.16	.07	.11	.05	.05	.10	.06	-	.36	.21	.19	.17	4.568
	WIND	17	14	18	32	19	15	10	13	16	32	22	17	16	*	20	9	8	13	14	23	8	16	25	68	18	8	13	30	33	18	18	583	
MIN	94	93	92	92	86	95	95	86	91	91	89	83	82	-	91	91	91	96	96	93	82	88	89	70	79	80	85	85	82	92	91	86.3		
* * * SOUTHERN 02																																		
GEORGETOWN 5 SW	EVAP	-	.30	.11	-	-	-	.18	.27	.34	.11	.05	.09	.01	.30	.20	.41	.10	.17	.21	.11	*	.13	-	-	-	-	-	.11	.28	.29	-	-	
WIND	3	30	36	51	37	29	36	35	20	30	40	47	46	17	23	34	22	14	19	36	14	13	39	65	47	10	13	30	41	19	25	921		

See Reference Notes Following Station Index.

# DAILY TEMPERATURES

MARYLAND AND DELAWARE  
AUGUST 1967

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																																		
CRISFIELD SOMERS COVE	MAX	84	86	92	89	84	82	82	83	85	86	75	74	78	78	82	85	82	83	85	82	81	79	76	75	83	84	85	85	79	81	82	82.2	
	MIN	67	71	75	71	68	69	65	68	68	72	64	61	63	64	61	62	62	74	72	74	73	72	68	68	72	73	76	72	70	72	73	69.0	
OCEAN CITY MOTEL	MAX																																	
	MIN																																	
POCOMOKE CITY 1 S	MAX																																	
	MIN																																	
PRINCESS ANNE	MAX	86	89	92	88	83	84	83	83	86	85	76	74	72	81	83	85	84	87	89	81	81	77	74	73	85	87	87	83	81	84	85	82.8	
	MIN	66	64	69	68	66	64	60	67	61	72	63	60	62	62	54	54	53	66	69	71	69	70	68	67	70	68	72	69	58	58	61	64.5	
SALISBURY	MAX	88	86	91	89	82	84	84	83	87	85	77	74	78	80	83	85	86	88	90	91	80	79	72	72	84	87	88	82	82	84	85	83.4	
	MIN	57	67	70	68	64	65	63	67	64	70	66	62	63	63	58	58	59	70	70	71	69	70	66	67	69	70	72	70	62	63	65	66.1	
SALISBURY FAA AIRPORT	MAX	88	88	92	88	83	84	84	83	88	81	72	74	70	81	84	84	86	86	89	84	82	78	74	75	84	87	88	81	82	84	85	82.9	
	MIN	70	68	73	70	70	68	65	67	65	72	65	63	65	62	58	58	58	70	71	74	72	73	70	71	73	73	73	64	61	64	65	67.5	
SNOW HILL	MAX				90	93	85	85	82		86	74	70	70	79					90	84	83			73	84	87	87		83	85	76		
	MIN				65	69	66	65	62		63	61	62	61			55			70				67	67	70	67		70	59	60	69		
* * *																																		
CENTRAL EASTERN SHORE 02																																		
BLACKWATER REFUGE	MAX	86	86	88	87	80	83	85	82	85	84	80	76	73	81	84	85	85	86	87	81	81	78	73	73	82	86	86	79	81	81	85	82.2	
	MIN	68	69	76	70	67	67	66	69	69	73	64	64	64	60	59	60	59	74	75	73	69	73	68	68	70	75	74	70	62	64	69	68.0	
CAMBRIDGE 4 W	MAX	87	88	90	85	81	84	86	83	85	83	79	75	72	80	84	86	85	88	88	80	78	77	73	73	83	86	85	79	80	82	85	82.3	
	MIN	69	65	71	68	66	66	61	66	63	75	65	61	63	59	54	57	57	68	71	68	67	70	67	65	69	69	71	67	61	61	65	65.3	
DENTON 1 NNW	MAX	89	87	90	85	81	83	85	82	86	84	81	76	73	81	83	83	86	90	89	80	79	76	74	71	82	87	89	79	81	83	85	82.6	
	MIN	73	64	68	67	64	68	72	66	64	76	62	61	64	56	55	58	58	68	71	65	66	69	63	62	68	70	69	66	62	61	60	65.3	
EASTON POLICE BARRACKS	MAX	85	87	88	89	82	84	84	85	86	85	83	78	75	81	86	91	87	89	88	80	78	77	76	72	83	85	87	80	82	83	81	83.1	
	MIN	66	66	72	67	65	69	64	68	65	70	63	60	63	58	57	59	58	67	68	65	65	65	65	66	60	68	68	65	61	62	67	66.6	
PRESTON 1 S	MAX	87	87	90	85	82	84	85	84	87	85	77	79	75	81	85	85	84	87	87	80	79	77	73	72	83	86	86	79	81	80	85	82.5	
	MIN	68	64	69	67	65	68	62	65	64	63	63	61	59	58	55	58	57	69	71	68	66	69	66	65	69	70	70	66	60	60	63	64.5	
ROYAL OAK	MAX	88	90	91	86	84	84	85	89	88	85	81	81	75	82	85	89	89	89	90	80	80	77	75	72	83	87	88	80	83	85	85	84.1	
	MIN	67	66	74	68	66	66	64	68	67	70	65	60	62	57	58	60	59	70	73	68	67	70	65	64	69	70	69	67	64	64	69	66.0	
VIENNA	MAX	87	89	90	90	81	84	85	84	85	81	78	78	72	82	86	84	87	87	87	85	82	77	73	74	82	87	86	81	83	83	88	83.2	
	MIN	67	67	72	69	65	68	63	66	66	70	64	63	63	61	57	60	64	71	72	70	68	71	67	67	68	71	69	68	62	62	64	66.3	
* * *																																		
LOWER SOUTHERN 03																																		
CHARLOTTE MALL SCHOOL	MAX																																	
	MIN																																	
LA PLATA 1 W	MAX	85	89	92	88	82	84	85	85	89	83	77	76	75	81	87	88	87	90	80	80	78	75	73	72	84	86	84	78	82	86	83	83.0	
	MIN	68	69	73	72	68	65	63	67	68	72	62	60	62	56	56	58	58	67	69	66	65	68	66	64	71	70	72	64	59	59	65	65.2	
LEONARDTOWN 3 NW	MAX	87	91	92	88	81	83	87	87	89	86	76	73	74	84	85	86	88	90	90	81	85	77	72	73	85	88	90	80	82	85	81	83.7	
	MIN	64	64	73	69	68	63	60	63	61	64	60	60	60	54	52	55	55	66	69	53	68	69	61	66	72	69	70	65	57	57	62	63.0	
OWINGS FERRY LANDING	MAX	88	90	91	89	82	83	84	86	89	86	75	77	78	84	85	86	88	91	90	82	78	78	72	72	84	82	87	79	83	84	85	83.5	
	MIN	66	66	71	69	67	64	62	64	66	69	60	59	59	58	56	61	61	68	70	68	66	68	64	64	70	71	71	66	63	63	65	64.8	
PRINCE FREDERICK	MAX																																	
	MIN																																	
SOLOMONS	MAX	86	87	91	89	80		84	85	87	85	80	76		81	83	84	85	88	90	82	81	76	73	73	82	87	86		81	83	85	83.2	
	MIN	70	73	75	72	70		70	78	71	73	65	67		64	65	66	66	72	74	72	71	70	68	68	70	72	73		66	67	68	69.9	
WALDORF POLICE BRKS	MAX	90	90	92	92	84	86	86	86	88	88	84	79	77	84	86	87	89	91	91	89	89	89	78	72	83	87	86	80	84	85	86	85.7	
	MIN	64	64	64	68	67	63	60	64	65	72	63	61	61	55	54	57	55	65	65	65	63	64	65	63	70	70	71	62	60	58	63	62.9	
* * *																																		
UPPER SOUTHERN 04																																		
ANNAPOLIS	MAX	87	87	91	86	82	84	84	85	87	83	79	76	76	81	86	86	85	88	86	81	80	80	77	70	79	86	84	80	82	84	82	82.7	
	MIN	70	69	73	70	67	69	67	65	71	72	65	65	65	60	60	63	64	68	70	66	65	67	65	63	66	69	71	65	63	62	67	66.5	
BALTIMORE WB AIRPORT	MAX	89	84	93	87	79	83	83	83	87	83	78	76	74	81	83	83	85	89	87	81	76	82	71	68	81	83	83	77	82	83	81	81.8	
	MIN	67	67	69	68	69	67	65	68	67	67	62	64	64	58	58	61	61	66	69	66	64	68	63	63	65	67	70	65	62	61	60	64.9	
BELTSVILLE	MAX	88	87	89	91	88	83	83	84	83	88	82	77	76	74	81	84	84	86	89	88	81	75	82	67	80	81	85	82	79	81	85	82.4	
	MIN	67	63	68	67	70	65	61	66	63	69	59	60	64	54	54	56	57	62	68	66	62	65	66	62	64	66	69	63	62	56	61	63.1	
BELTSVILLE PLANT STA 5	MAX	87	86	81	91	88	80	85	84	84	88	83	77	76	75	81	85	85	86	91	87	81	75	83	66	70	81	85	84	77	81	84	82.2	
	MIN	65	62	71	66	64	64	60	64	63	70	58	60	61	52	53	55	57	60	64	62	59	65	63	59	63	66	67	60	60	55	60	61.5	

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MARYLAND																																	
NATIONAL ARBORETUM D C	MAX MIN	89 70	90 67	91 74	91 69	89 68	86 67	85 64	83 67	89 63	86 72	82 63	78 63	77 64	84 56	87 58	87 60	88 61	92 68	90 70	85 66	82 63	79 64	70 62	82 66	85 68	85 69	79 63	83 63	85 64	82 68	84 68	84.6 65.4
SUITLAND	MAX MIN	87 69	88 68	89 73	91 69	87 70	82 68	84 71	84 68	84 68	88 70	84 66	84 60	78 60	77 64	82 57	85 59	85 62	87 62	87 66	91 66	90 66	80 64	75 65	79 65	66 61	71 64	82 65	83 65	78 64	81 62	82 65	82.5 65.5
U. S. SOLDIERS HOME DC	MAX MIN	88 71	88 70	91 70	87 66	82 67	84 67	84 68	88 70	84 68	80 62	78 63	77 63	82 59	85 61	86 63	85 64	90 68	89 69	80 65	75 63	80 67	73 61	70 60	80 65	84 67	83 70	79 63	84 62	82 65	82 61	82.7 65.2	
UPPER MARLBORO 3 NNW	MAX MIN	86 63	89 63	93 67	92 67	88 66	82 64	84 60	84 63	85 62	89 66	84 57	78 59	77 59	82 51	84 54	85 55	87 59	90 60	89 63	81 61	76 63	79 64	68 61	71 61	83 60	85 68	85 62	86 60	82 55	84 59	83.4 61.0	
* * *																																	
NORTHERN EASTERN SHORE 05																																	
CENTREVILLE	MAX MIN	84 63	85 63	90 70	86 67	83 65	85 66	84 62	85 67	87 64	86 71	82 62	81 63	76 61	82 56	85 57	81 60	85 58	88 68	84 70	80 65	80 64	76 63	76 62	69 63	79 66	85 70	87 70	78 67	82 65	80 64	84 66	82.4 64.5
CHESTERTOWN	MAX MIN	87 65	87 68	89 68	84 65	82 65	83 67	84 66	83 67	87 67	84 69	77 63	77 62	83 64	86 60	86 60	85 63	89 62	89 69	81 71	76 68	80 69	73 66	68 61	81 66	84 66	88 71	80 65	84 64	85 64	84 62	84 64	82.5 65.5
COLEMAN 3 WNW	MAX MIN	87 65	89 67	92 71	89 67	86 65	86 68	86 64	88 68	85 65	88 71	81 62	80 63	76 64	84 60	87 60	87 62	88 60	91 69	89 70	89 68	81 65	79 65	68 62	81 64	83 67	87 69	75 66	85 65	86 64	84 67	84.6 65.5	
MILLINGTON	MAX MIN	86 64	90 65	90 70	89 67	90 65	85 66	86 62	82 68	86 63	81 70	79 60	87 59	75 61	81 56	86 55	85 59	89 59	88 65	83 70	77 66	77 65	68 61	82 68	79 66	84 67	88 70	77 65	82 61	83 59	83 64	83.4 63.7	
* * *																																	
NORTHERN CENTRAL 06																																	
ABERDEEN PHILLIPS FLD	MAX MIN	85 65	85 66	88 72	88 68	83 66	82 67	82 64	84 68	82 68	80 71	75 62	81 62	81 63	83 57	83 57	86 61	86 61	86 67	86 70	82 67	80 63	77 63	80 66	80 63	72 63	80 65	80 67	76 61	82 59	83 66	81 64	81.1 64.4
BALTIMORE WB CITY	MAX MIN	89 74	86 75	94 71	89 70	82 71	85 71	87 72	85 74	90 74	87 74	80 66	78 67	75 68	85 68	88 68	87 70	91 71	90 73	83 70	79 70	79 65	86 64	75 64	84 66	85 70	84 72	80 69	86 67	86 68	83 62	84.3 69.7	
BENSON POLICE BARRACKS	MAX MIN	85 64	85 65	88 70	87 67	84 65	83 64	83 61	82 64	85 66	83 61	80 58	76 60	76 58	86 55	86 58	84 60	89 65	87 68	81 63	77 63	82 64	80 63	77 59	76 63	82 63	80 59	75 61	81 63	85 57	81 61	81.8 62.8	
BOYDS 2 NW	MAX MIN	83 65	86 66	88 70	86 66	86 62	82 64	81 63	82 63	85 66	81 69	76 58	75 58	80 60	83 58	83 58	84 63	87 63	84 66	80 65	75 66	82 65	82 59	67 57	75 61	82 65	81 67	79 63	83 62	80 62	79 62	80.9 62.8	
CONOWINGO DAM	MAX MIN	84 66	86 65	89 70	84 67	81 66	84 66	82 62	86 65	86 65	83 70	80 61	77 62	74 62	80 59	85 58	87 59	83 61	86 66	88 70	80 66	78 65	80 62	71 62	79 65	80 68	78 61	80 65	82 58	82 56	79 60	80.9 63.8	
ELKTON	MAX MIN	87 65	87 66	90 69	86 67	85 65	84 68	83 63	85 68	91 65	88 69	89 61	83 61	74 57	83 57	87 61	86 60	85 61	89 66	88 61	82 67	80 65	84 65	80 62	81 63	82 64	84 64	79 61	82 60	85 65	83.8 64.3		
EMMITSBURG 2 SE	MAX MIN	87 63	88 62	90 72	86 65	83 64	84 56	80 64	83 68	86 65	80 68	78 54	76 54	74 48	82 52	85 52	84 60	85 59	88 61	84 60	76 56	84 65	80 57	67 57	80 61	82 59	72 59	82 63	80 63	77 56	84 56	81.6 60.1	
FREDERICK WFMD	MAX MIN	87 68	87 64	89 72	86 66	85 67	82 62	82 65	85 65	82 68	78 71	75 61	75 59	73 62	82 62	83 53	84 58	83 61	88 66	85 66	79 67	75 62	83 65	83 58	67 61	80 65	80 67	80 61	81 63	83 57	83 61	81.4 62.9	
PARKTON 2 SW	MAX MIN	84 63	83 62	86 65	84 65	79 65	81 60	81 58	80 66	84 66	79 58	75 55	75 55	69 56	79 56	82 54	82 56	83 59	86 61	85 66	79 64	75 59	82 62	67 61	63 58	72 62	78 66	75 60	79 55	82 56	77 60	78.9 60.4	
ROCKVILLE	MAX MIN	87 66	88 63	89 72	87 67	87 65	84 66	83 62	85 66	88 66	88 70	81 59	80 60	84 61	75 58	80 55	84 63	85 57	89 63	88 69	85 65	82 60	82 63	66 59	82 67	83 69	76 64	83 69	79 64	82 57	86 60	82.9 63.0	
* * *																																	
APPALACHIAN MOUNTAIN 07																																	
BDONSBORO	MAX MIN	86 65	87 65	88 72	86 66	83 64	84 62	82 61	83 62	86 68	80 65	77 55	75 54	72 58	81 54	84 58	84 60	86 63	86 65	84 67	81 67	76 58	83 64	80 65	66 59	72 61	82 65	80 68	74 56	81 59	83 60	79 63	80.9 62.2
CHEWSVILLE BRIDGEPORT	MAX MIN	87 64	88 63	90 70	86 60	81 65	83 60	83 59	84 63	84 65	79 67	76 54	73 54	81 58	85 55	85 56	87 60	87 62	85 66	81 66	78 57	84 61	81 62	67 57	72 60	81 64	81 67	75 55	82 60	84 62	81 62	81.5 60.5	
CUMBERLAND	MAX MIN	89 57	93 57	90 67	89 60	86 59	86 59	88 62	87 64	83 65	77 64	75 52	79 52	80 51	84 53	86 56	87 60	89 61	84 61	82 65	79 66	86 59	82 59	82 59	77 61	83 65	83 67	74 58	85 64	85 54	80.5 58.8		
CUMBERLAND POLICE BRKS	MAX MIN	85 62	87 59	88 66	89 66	88 64	82 57	82 58	85 60	85 60	79 64	75 55	75 49	76 51	82 48	82 50	84 50	84 58	84 59	82 60	81 65	81 53	84 58	68 58	68 58	70 60	78 66	79 67	78 54	82 57	81 58	81.3 58.3	
FROSTBURG	MAX MIN	86 65	87 64	90 71	86 63	84 66	82 62	81 60	83 63	85 67	79 69	79 58	75 55	72 58	81 53	84 56	83 59	83 62	85 65	82 66	80 67	80 58	83 61	82 63	68 53	71 59	79 64	73 56	82 60	83 58	81 63	80.9 61.6	
HANCOCK FRUIT LAB	MAX MIN	85 61	85 61	87 68	89 68	88 69	82 62	81 63	83 64	83 64	84 66	78 54	76 51	77 52	82 53	83 56	84 59	85 61	86 64	79 68	81 55	83 60	83 58	70 66	78 66	72 69	79 53	84 59	82 55	83 55	80.8 60.3		
PICARDY	MAX MIN	87 61	88 59	89 66	87 66	82 64	80 60	83 59	83 58	85 61	78 65	75 51	76 49	79 51	81 49	83 53	84 55	84 60	84 60	83 61	75 65	83 58	75 60	65 57	75 63	82 65	85 66	74 53	83 56	84 55	84.8 58.5		

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MARYLAND																																	
WESTERNPORT	MAX	87	89	88	88	85	84	83	88	83	78	75	77	79	83	85	87	84	84	81	80	76	85	80	66	78	77	74	72	84	83	68	
	MIN	63	59	66	65	64	56	56	61	60	65	60	50	50	50	51	55	59	60	61	64	52	58	58	58	60	66	66	54	60	53	58	
* * *																																	
ALLEGHENY PLATEAU 08																																	
BITTINGER 2 NW	MAX	75	78	78	78	73	73	73	76	75	68	65	67	69	71	73	75	75	75	71	70	70	73	65	66	75	73	70	61	70	72	65	
	MIN	60	55	59	62	59	51	53	56	57	59	50	46	46	47	49	53	55	57	56	59	49	54	55	52	55	62	53	51	53	50	49	
OAKLAND 1 SE	MAX	78	83	81	80	75	76	78	81	79	71	68	70	67	73	78	80	78	76	71	73	73	78	73	61	79	73	69	68	73	75	75	
	MIN	59	54	63	63	61	51	53	58	53	63	52	44	43	43	44	47	52	54	54	60	45	53	54	54	57	62	61	54	56	58	46	
SAVAGE RIVER DAM	MAX	79	80	82	83	82	82	78	79	80	80	72	71	73	72	71	79	85	80	78	72	76	72	78	64	61	75	75	71	68	76	77	
	MIN	62	58	59	62	64	55	55	57	60	60	55	50	49	49	50	52	52	58	60	61	51	52	56	57	57	60	65	55	59	51	53	
SINES DEEP CREEK 2	MAX	78	82	82	80	75	75	77	80	76	70	69	70	70	73	76	79	77	75	74	74	71	75	69	62	79	73	69	65	74	75	69	
	MIN	58	55	62	63	61	52	53	56	53	63	53	47	42	47	45	49	52	54	55	61	47	53	55	57	59	63	62	53	57	47	52	
DELAWARE																																	
* * *																																	
NORTHERN 01																																	
MIDDLETOWN 1 WSW	MAX	87	85	89	85	81	84	83	82	87	84	80	76	72	82	86	86	85	89	89	81	80	82	80	69	79	86	80	77	81	85	84	
	MIN	64	64	66	68	64	66	61	67	61	69	59	59	62	56	55	55	59	65	69	67	64	67	65	61	63	66	69	55	61	58	64	
NEWARK UNIVERSITY FARM	MAX	86	85	89	88	83	84	84	80	86	85	81	77	74	81	82	86	85	88	87	83	78	82	81	68	78	80	84	76	81	84	82	
	MIN	65	65	67	67	64	65	62	67	63	69	59	60	62	57	58	60	60	68	70	67	64	66	64	62	61	64	66	64	62	58	64	
WILMGTN NCASTLE WB AP	MAX	85	84	85	83	80	84	81	80	85	82	76	77	72	80	84	84	83	86	87	78	78	82	72	67	76	81	81	77	80	84	82	
	MIN	66	66	69	67	66	67	65	68	66	68	62	61	63	59	60	63	63	68	71	69	65	68	65	63	63	66	69	66	62	61	60	
WILMGTN PORTER RESVR	MAX	85	85	84	82	84	83	83	79	83	82	75	75	70	84	84	85	83	86	85	78	79	81	69	66	65	80	83	75	79	83	80	
	MIN	64	66	69	64	65	66	69	67	67	68	61	60	60	61	63	63	62	68	72	70	64	66	64	61	62	60	67	64	66	61	58	
* * *																																	
SOUTHERN 02																																	
BRIDGEVILLE 1 NW	MAX	88	88	89	86	77	84	84	83	86	85	82	77	72	83	83	83	85	88	88	84	80	77	76	72	83	87	88	79	82	83	86	
	MIN	63	61	66	63	61	62	58	62	59	66	59	59	59	55	52	54	52	64	67	65	62	65	62	61	64	65	65	64	56	55	59	
DOVER	MAX	86	87	90	89	78	84	84	83	87	86	83	78	73	83	86	85	86	89	90	80	80	78	77	69	81	86	89	81	82	85	85	
	MIN	66	59	69	68	64	66	63	66	64	65	68	62	62	57	58	60	60	68	71	67	66	68	64	62	65	68	71	67	61	63	65	
GEORGETOWN 5 SW	MAX	87	88	90	86	80	81	82	82	87	85	81	74	69	79	82	83	86	89	90	83	79	79	72	72	83	86	88	85	81	83	87	
	MIN	67	62	63	65	64	61	65	64	60	69	65	62	62	61	55	55	53	64	70	71	67	66	66	65	67	67	69	69	59	59	62	
LEWES 1 SW	MAX	82	82	89	79	78	79	79	79	86	79	70	72	68	78	81	79	81	87	89	84	80	78	74	71	80	86	85	80	79	84	87	
	MIN	68	65	72	68	66	65	63	66	63	69	65	64	63	63	57	57	57	67	71	72	68	70	66	66	68	73	70	66	60	63	68	
MILFORD 2 WSW	MAX	87	86	90	84	76	86	82	82	86	84	79	75	71	81	83	83	86	88	89	80	79	77	73	70	84	87	87	78	82	84	86	
	MIN	65	64	69	67	66	66	60	64	61	69	63	63	63	59	59	56	55	67	70	69	66	68	65	64	66	69	69	67	60	61	63	
SELBYVILLE	MAX	88	86	90	86	87	82	83	81	87	86	75	71	68	78	82	81	88	87	90	85	84	80	75	72	83	88	89	84	82	85	88	
	MIN	67	63	69	67	65	64	61	65	62	70	63	61	63	63	55	55	58	68	71	71	69	71	67	66	69	68	73	70	60	60	63	

## SUPPLEMENTAL DATA

Station	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	EASTERN STANDARD TIME				Trace	.01-.09	10-49	50-99	100-199	200 and over	Total		
							1 AM	7 AM	1 PM	7 PM									
BALTIMORE WB AIRPORT MD	24	1.2	8.9	36	SE	03	89	91	64	77	4	1	5	2	3	1	16	59	6.8
WILMINGTON NCASTLE WB.AP DEL	24	0.9	7.5	27++	31	04	89	90	68	76	4	3	3	5	1	2	18	-	7.0

# STATION INDEX

MARYLAND AND DELAWARE  
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STATION	INDEX NO.	DIVISION	COUNTY	DRAINAGE I	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	STATION	INDEX NO.	DIVISION	COUNTY	DRAINAGE I	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER
								TEMP.	PRECIP.	EVAP.	SPECIAL										TEMP.	PRECIP.	EVAP.	SPECIAL	
MARYLAND																									
ABERDEEN PHILLIPS FLD	0015	04	HARTFORD	1	39 28	76 10	40	5F					ROGS AVIATION INC.												
ANNAPOLIS	0193	04	ANNE ARUNDEL	1	38 59	76 30	40	6P					ARTHUR H. MILLER												
BALTIMORE WB AIRPORT	0465	04	ANNE ARUNDEL	3	39 11	76 40	148	MID					U.S. WEATHER BUREAU												
BALTIMORE WB CITY	0470	02	BALTO CITY	3	39 17	76 37	14	MID					U.S. WEATHER BUREAU												
BELTSVILLE	0700	04	PRN. GEORGES	5	39 02	76 53	120	8A					CHESTER H. GORDON												
BELTSVILLE PLANT STA 5	0705	04	PRN. GEORGES	5	39 01	76 57	100	10A					USDA PLANT IND. STA.												
BENSON POLICE BARRACKS	0881	08	GARRETT	7	39 37	79 15	2700	7P					MD. STATE POLICE												
BITTINGER 2 NW	0915	02	DORCHESTER	1	38 26	76 08	5	4P					ELBERT E. BUCKEL												
BLACKWATER REFUGE	0986	07	WASHINGTON	5	39 31	77 39	735	6P					NAT. WILDLIFE REFUGE												
BOONSBORO	1032	04	MONTGOMERY	4	39 13	77 20	590	6P					J. HOWARD BECKENBAUGH												
BOYS 2 NW	1125	06	MONTGOMERY	4	39 12	77 20	590	6P					MUNTER F. STALEY												
BRIGHTON DAM	1170	06	MONTGOMERY	5	38 57	77 06	260	7P					WASH. SUB. SANIT. COMM.												
BROOKDALE	1385	02	DORCHESTER	1	38 34	76 09	5	6P					B. FRANCIS DASHMILL												
CAMBRIDGE 4 W	1427	05	QUEEN ANNES	1	39 03	76 33	46	6P					D. ARCY MC B. HARDING												
CENTREVILLE	1686	03	ST. MARYS	4	38 29	76 47	166	4P					MARION G. LEIBY												
CHARLOTTE HALL SCHOOL	1750	05	KENT	1	39 13	76 04	55	11P					CHARLOTTE HALL SCHOOL												
CHESTERTOWN	1790	07	WASHINGTON	5	39 38	77 41	41	5P					T. W. ELIASON, JR.												
CHEKESVILLE BRIDGEPORT	1980	05	KENT	1	39 21	76 08	78	6P					D. PAUL SCHWALD												
COLEMAN 3 NW	1995	04	PRN. GEORGES	5	38 59	76 56	70	5P					U.S. GEOL. SURVEY												
COLLEGE PARK	2060	06	HARFORD	6	39 39	76 10	40	11P					SUSQUEHANNA ELECTRIC CO.												
CONOWINGO DAM	2215	01	SOMERSET	1	37 59	75 52	8	5P					SOMERS CREEK MARINA												
CRISFIELD SOMERS COVE	2280	07	ALLEGANY	5	39 39	78 45	900	6P					MD. STATE POLICE												
CUMBERLAND	2285	07	ALLEGANY	5	39 38	78 50	970	5P					WAYNE A. CAULEY												
CUMBERLAND POLICE BRKS	2523	02	CAROLINE	1	38 54	75 51	40	6P					MARYLAND STATE POLICE												
DENTON 1 NW	2700	02	TALBOT	1	38 45	76 04	40	5P					LEE G. HARNE												
EASTON POLICE BARRACKS	2770	07	WASHINGTON	5	39 40	77 33	905	8A					H. W. BOUCHELLE												
EDGEWORT	2860	06	CECIL	1	38 36	75 50	38	6P					MRS. LUCILLE K. SEALE												
ELKTON	2908	06	FREDERICK	5	39 41	77 18	420	5P					H. FILTRATION PLANT												
EMMITSBURG 2 SE	3230	04	ANNE ARUNDEL	4	39 06	76 45	140	5P					RADIO STATION WFMD												
FORT GEORGE G MEADE	3350	06	FREDERICK	5	39 25	77 28	435	6P					MISS I. MARY STALEY												
FREDERICK WFMD	3355	06	FREDERICK	5	39 24	77 22	385	8A					C. A. SUTER, JR.												
FREDERICK 3 E	3410	07	ALLEGANY	5	39 39	78 56	2035	7A					MARYLAND STATE POLICE												
FROSTBURG	3675	04	PRN. GEORGES	4	38 58	76 48	151	4P					H. PLANT INTRO. GARDEN												
GLENN DALE BELL STA	3795	08	GARRETT	7	39 42	79 09	2360	6P					MRS. FANNIE B. MILLER												
GRANDEVILLE	3875	07	WASHINGTON	5	39 32	77 44	640	6P					U. OF MD. FRUIT LAB.												
HAGERSTOWN	4030	07	WASHINGTON	5	39 42	78 11	428	8A					C. RUSSELL LEVERING												
HANCOCK FRUIT LAB	5080	03	CHARLES	4	38 32	77 00	140	5P					WASH. SUB. SANIT. COMM.												
LA PLATA 3 W	5111	04	PRN. GEORGES	4	39 06	76 54	40	5P					RADIO STATION WKIK												
LAUREL 3 W	5201	03	ST. MARYS	5	38 19	76 40	40	5P					CITY OF BALTIMORE												
LEONARDTOWN 3 NW	5340	06	BALTIMORE	1	39 26	76 33	190	5P					DELWOOD E. MERRILL												
LOCH RAVEN DAM	5894	08	GARRETT	7	39 36	79 05	1790	8A					LOUIS W. HOLLETT												
MERRILL	5915	05	KENT	1	39 16	75 51	30	6P					ARCHIE BILLETTER												
MILLINGTON	6405	08	GARRETT	7	39 39	79 07	2590	6P					LOGAN WEBER												
NEW GERMANY	6620	08	GARRETT	7	39 24	79 24	2420	5P					IRA S. HANCOCK												
OAKLAND 1 SE	6670	01	WORCESTER	2	38 46	76 40	140	5P					JAMES E. DONNER, JR.												
OCEAN CITY HOTEL	6770	03	CALVERT	4	38 41	76 40	140	5P					JOHN R. FOX												
OWINGS FERRY LANDING	6844	06	BALTIMORE	1	39 38	76 42	600	11P					VETERANS ADMINISTRATION												
PARKTON 2 SW	6980	06	CECIL	1	39 33	76 04	40	6P					POTOMAC HIND. ORCHARD												
PERRY POINT	7010	07	ALLEGANY	5	39 33	78 30	6P																		

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

## SPECIAL WEATHER SUMMARY

This month was the wettest August since the record-breaking August 1955 which featured two hurricanes, Connie and Diane. While no hurricane occurred during this month, intense thunderstorm activity during three separate periods, the 3d-5th, the 9th-10th, and the 19th-27th, brought heavy rainfall totals to much of the two-state area and to the District of Columbia. During the first period, rainfall was heavy in northeast Maryland and especially in Maryland's Central Eastern Shore and in Delaware where considerable flooding was reported. Thunderstorms on the 9th and 10th gave heavy rainfall to the northern tier of counties extending from Carroll County eastward through northern Delaware. Rainfall during the third and longest period was heavy in most of the two-state area and in District of Columbia, except in the three western counties of Maryland. As a result, monthly totals ranged from less than 4 inches in the western half of Allegany County and in Garrett County to as much as 19 inches in Caroline County area. Many stations reported

monthly totals over 10 inches in Maryland's Northeast and Central Eastern Shore areas, in Delaware and in District of Columbia. For some stations with long records, such as Denton and Bridgeville, this was the heaviest August rainfall total. It should also be noted that there was a much greater than normal number of days with rainfall greater than 1/2 inch and also greater than 1 inch.

Monthly temperatures averaged generally on the cool side. Daily temperatures reaching 90° or higher were but few in number, much less than the average, as many stations had none or but one day.

Among the severe storms reported during the month were the following: a tornado in Montgomery County on the 26th; a tornado in New Castle County on the 27th; and a waterspout in the northern end of Chincoteague Bay on the 5th. Tornado damage was minor.

W. J. Moyer  
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REFERENCE NOTES

MARYLAND AND DELAWARE  
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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 in "Evaporation and Wind" table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

**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 Index, but for which data are not listed in the tables, 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, MONTHLY 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.