

U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary

WEATHER BUREAU

ROBERT M. WHITE, Chief

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

SEPTEMBER 1963

Volume 67 No. 9



ASHEVILLE: 1963

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE
SEPTEMBER 1963

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			
										37° Above	32° or Below	37° or Below	0° or Below					Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More	
																								Max.
MARYLAND																								
SOUTHERN EASTERN SHORE																								
CRISFIELD HAMMOCK PT	75.5	59.1	67.3	- 5.3	85	2	42	25	55	0	0	0	0	0	3.83	3.90	16	.0	0		5	2	1	
OCEAN CITY WATER PLANT	72.0	59.8	65.9		83	4	46	23	54	0	0	0	0	0	7.35	2.28	16	.0	0		4	3	2	
POCOMOKE CITY 1 S	75.7	52.7	64.2		86	12+	33	25	92	0	0	0	0	0	6.47	5.08	16	.0	0		5	2	1	
PRINCESS ANNE	75.8	54.3	65.1		88	10	36	25	89	0	0	0	0	0	6.03	4.77	16	.0	0		5	2	1	
SALISBURY	77.0	55.0	66.0		90	10	37	25	73	1	0	0	0	0	1.59	4.09	16	.0	0		5	2	2	
SALISBURY FAA AIRPORT	73.9	54.4	64.2		87	20+	37	25	100	0	0	0	0	0	5.33	2.69	16	.0	0		3	3	3	
SNOW HILL	73.9	55.2	64.6	- 4.6	86	12	38	25	86	0	0	0	0	0	5.30	3.05	16	.0	0		5	3	1	
DIVISION 01																								
CENTRAL EASTERN SHORE																								
BLACKWATER REFUGE	78.6	55.7	67.2		90	9	36	23	67	1	0	0	0	0	4.85			.0	0					
CAMBRIDGE 4 W	76.1	55.2	65.7		92	12	35	25	80	1	0	0	0	0	4.83	2.67	16	.0	0		5	2	2	
DENTON 1 S	76.4	53.3	64.9		88	12+	35	24	78	0	0	0	0	0	5.39	3.00	16	.0	0		5	2	2	
EASTON POLICE BARRACKS	76.4	54.9	65.7	- 3.5	88	3	37	25	82	0	0	0	0	0	5.54	2.42	16	.0	0		6	4	2	
PRESTON 1 S	75.8	53.3	64.6		90	12	35	25	94	1	0	0	0	0	5.32	3.02	16	.0	0		6	2	2	
ROYAL OAK	76.6	56.2	66.4		90	12	37	24	74	1	0	0	0	0	4.79	1.99	16	.0	0		5	2	2	
VIENNA	76.3	54.8	65.6		89	12	36	25	77	0	0	0	0	0	6.62	4.70	16	.0	0		5	2	2	
DIVISION 02																								
LOWER SOUTHERN																								
CHARLOTTE HALL 1 ESE	79.3	54.1	66.7		92	12	34	25	68	2	0	0	0	0	4.65	1.76	29	.0	0		5	3	2	
LA PLATA 1 W	77.9	52.7	65.3		92	12	33	24	85	2	0	0	0	0	3.93	1.83	29	.0	0		5	2	2	
LEONARDTOWN 3 NW	76.9M	52.8M	65.9M		93	12	33	25	84	3	0	0	0	0	4.05	1.58	29	.0	0		5	3	2	
OWINGS FERRY LANDING	75.9	54.7	65.3	- 3.6	90	12	35	25	92	1	0	0	0	0	3.90	1.58	16	.0	0		3	2	2	
PRINCE FREDERICK	80.6M	53.5	67.1M		92	12+	34	25+	41	4	0	0	0	0	5.87	2.43	16	.0	0		3	3	3	
SOLOMONS	76.0	59.9	68.0	- 4.1	90	12	47	23	55	1	0	0	0	0	3.81	1.27	29+	.0	0		4	3	2	
WALDORF POLICE BRKS	79.5	52.3	65.9		92	12	32	24	82	6	0	1	0	0	4.03	1.60	16	.0	0		6	2	2	
DIVISION 03																								
UPPER SOUTHERN																								
ANNAPOLIS 2 WNW	74.6	53.4	64.0	- 4.1	90	12	35	25	95	1	0	0	0	0	4.12	.79	2.00	29	.0	0		4	3	2
BALTIMORE WB AIRPORT R	73.9	51.3	62.6		88	13	31	25	127	0	0	2	0	0	3.70	1.71	29	.0	0		6	2	1	
BELTSVILLE	74.0	51.6	62.8		88	13	31	25+	130	0	0	2	0	0	3.82	2.22	29	.0	0		4	2	1	
BELTSVILLE PLANT STA 5	77.1	53.3	65.2	- 3.4	90	12	34	25	92	1	0	0	0	0	3.66	2.14	29	.0	0					
COLLEGE PARK																								
DALECARLIA RESERVOIR D C	76.3	54.2	65.3		88	12	36	24	88	0	0	0	0	0	3.39	2.00	29	.0	0		5	2	1	
FORT GEORGE G MEADE	76.9	50.9	63.9		88	20	31	25	103	0	0	2	0	0	4.16	2.13	29	.0	0		5	2	2	
GLENN DALE BELL STA	77.6	51.3	64.5	- 3.3	89	12	31	25	102	0	0	2	0	0	3.72	1.95	29	.0	0		5	2	2	
LAUREL 3 W	76.3	55.0	65.7		85	21+	39	25+	79	0	0	0	0	0	3.77	1.90	29	.0	0		4	3	1	
NATIONAL ARBORETUM D C	78.0	55.4	66.7		91	12	36	25+	75	1	0	0	0	0	3.79	2.19	29	.0	0		4	2	2	
SUITLAND	74.6	55.1	64.9		89	13	38	24	98	0	0	0	0	0	3.79	1.86	29	.0	0		5	2	2	
U. S. SOLDIERS HOME D C	75.1	53.1	64.1		88	12	37	26+	101	0	0	0	0	0	3.84	2.09	29	.0	0		5	3	1	
UPPER MARLBORO 3 NNW	75.4	50.8	63.1		90	13	31	24	114	1	0	1	0	0	3.87	1.83	29	.0	0		4	3	2	
WASHINGTON WB CITY D C R	77.1	57.2	67.2		91	20+	43	25+	63	3	0	0	0	0	3.56	1.89	29	.0	0		5	2	1	
DIVISION 04																								
NORTHERN EASTERN SHORE																								
CENTREVILLE	75.1	53.5	64.3		88	12	34	25	95	0	0	0	0	0	5.01	2.08	16	.0	0		7	2	2	
CHESTERTOWN	75.6	55.0	65.3		89	12	38	24	88	0	0	0	0	0	4.80	1.93	29	.0	0		4	3	2	
COLEMAN 3 WNW	76.1M	55.4M	65.8M	- 4.2	89	11	40	25	83	0	0	0	0	0	4.62	.91	2.15	29	.0	0		5	2	2
HILLINGTON	75.6	52.7	64.2	- 4.4	89	12	34	25	102	0	0	0	0	0	4.71	1.09	2.14	16	.0	0		6	2	2
ROCK HALL 3 SE	74.1	56.7	65.4	- 3.6	86	12	39	24	86	0	0	0	0	0	4.72	1.01	2.18	16	.0	0		6	2	2
DIVISION 05																								
NORTHERN CENTRAL																								
BALTIMORE WB CITY	75.9	58.5	67.2	- 3.4	90	12	43	25+	68	1	0	0	0	0	4.38	.75	2.36	29	.0	0		3	3	2
BENSON POLICE BARRACKS	75.8	50.4	63.1		87	20	31	25	109	0	0	1	0	0	5.29	2.55	29	.0	0		6	3	2	
BOYDS 2 NW	75.9	49.7	62.8		88	20	33	25+	114	0	0	0	0	0	2.84	1.96	29	.0	0		4	1	1	
CONOWINGO DAM	74.5	51.5	63.0		90	12	34	24	110	1	0	0	0	0	4.38	2.30	29	.0	0		6	2	2	
EDGEWOOD ARSENAL	72.8	53.1	63.0		86	12	35	25+	115	0	0	0	0	0	3.81	2.00	29	.0	0		4	2	2	
ELKTON	76.7	52.0M	64.4M	- 3.4	89	12	34	24	98	0	0	0	0	0	4.02	2.24	29	.0	0		3	3	2	
ERMITSBURG 2 SE	78.8	46.5	62.7		92	12	24	25	128	2	0	3	0	0	2.25	1.85	29	.0	0		4	1	1	
FREDERICK WB AIRPORT R	75.8	50.6	63.2	- 3.6	90	20	30	25+	123	1	0	2	0	0	2.43	1.95	29	.0	0		2	1	1	
PARKTON 2 SW	73.0	50.0	61.5		86	12	32	25	144	0	0	1	0	0	3.28	2.22	29	.0	0		3	2	1	
ROCKVILLE	76.8	54.1	65.5		87	21+	37	25+	90	0	0	0	0	0	3.24	1.97	29	.0	0		4	2	1	
TOWSON	76.8	52.4	64.6		88	12	33	25+	94	0	0	0	0	0	3.90	.14	2.05	29	.0	0		5	2	2
UNIONVILLE	75.3	47.4	61.4		88	20	26	24	153	0	0	4	0	0	2.96	2.20	29	.0	0		4	1	1	
WESTMINSTER	74.6	50.9	62.8	- 3.7	87	20+	32	24	129	0	0	1	0	0	2.93	1.95	29	.0	0		5	1	1	
WHEATON REGIONAL PARK	74.4	51.5	63.0		84	20	32	25	111	0	0	1	0	0	3.29	1.81	29	.0	0		5	2	2	
WOODSTOCK	76.3	50.2	63.3	- 3.2	87	12	29	24	115	0	0	2	0	0	4.20	2.68	29	.0	0		5	2	2	
DIVISION 06																								

See Reference Notes Following Station Index

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE
SEPTEMBER 1963

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			
										W ⁺ or Above	32° or Below	32° or Below	32° or Below					Total	Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
APPALACHIAN MOUNTAIN																								
BOONSBORO	76.6	52.5	64.6		90	12	36	23	95	1	0	0	0	1.81		1.34	29	.0	0		2	1	1	
CHEWSVILLE BRIDGEPORT	78.9	49.7	64.3	- 1.4	91	12	31	25	101	2	0	3	0	1.62	- 1.41	1.36	29	.0	0		3	1	1	
CUMBERLAND	79.6	48.7	64.2		90	3	31	25	93	1	0	2	0	1.73		.75	29	.0	0		4	1	0	
CUMBERLAND POLICE BRKS	79.4	46.5	63.0		89	26	28	24	115	0	0	4	0	1.64		.52	29	.0	0		3	1	0	
FROSTBURG	71.8	47.4	59.6	- 3.9	83	4	31	25	177	0	0	3	0	1.84	- 1.35	.70	29	.0	0		5	1	0	
HAGERSTOWN																								
HANCOCK FRUIT LAB	76.9	46.1	61.5		90	21	25	25	163	2	0	0	0	2.23	- .67	1.03	6	.0	0		3	2	1	
PICARDY	76.9	49.2	63.1		88	20	30	25	119	0	0	4	0	2.38		1.00	5	.0	0		3	3	1	
WESTERNPORT	77.1	49.0	63.1	- 3.4	87	3	30	25	103	0	0	2	0	1.26	- 1.86	.46	5	.0	0		3	0	0	
DIVISION 07																								
			63.2	- 2.5										1.79	- 1.29			.0						
ALLEGHENY PLATEAU																								
BITTINGER 2 NW	67.4	45.0	56.2		77	3	30	25	262	0	0	3	0	1.75		.71	29	.0	0		3	2	0	
OAKLAND 1 SE	69.7	42.9	56.3	- 4.5	79	12	25	25	263	0	0	5	0	1.95	- 1.33	.82	29	.0	0		5	2	0	
SAVAGE RIVER DAM	70.8	44.7	57.8		83	4	28	25	221	0	0	4	0	1.60		.75	29	.0	0		3	1	0	
SINES DEEP CREEK 2	71.1	41.9	56.5		80	12	25	25	254	0	0	6	0	1.66		.65	29	.0	0		4	1	0	
DIVISION 08																								
			56.7	- 3.5										1.74	- 1.51			.0						
DELAWARE																								
NORTHERN																								
MIDDLETOWN 2 S																								
NEWARK UNIVERSITY FARM	76.1	51.9	64.0		89	13	33	25	105	0	0	0	0	3.75		2.26	29	.0	0		4	2	1	
WILMGTN NCASTLE WB AP	73.5	53.9	63.7	- 3.9	88	12	37	24	104	0	0	0	0	3.50	- .45	1.97	29	.0	0		5	2	2	
WILMGTN PORTER RESVR	72.1	52.9	62.5		86	12	38	25	125	0	0	0	0	4.88	1.45	2.00	29	.0	0		5	4	2	
DIVISION 01																								
			63.4	- 4.6										4.04	.56									
SOUTHERN																								
BRIDGEVILLE 1 NW	76.4	53.3	64.9	- 3.5	90	12	35	25	85	1	0	0	0	6.69	2.67	3.95	16	.0	0		4	4	2	
DOVER	75.8	54.8	65.3	- 4.1	89	12	38	25	85	0	0	0	0	3.30	- .51	1.28	29	.0	0		6	2	1	
GEORGETOWN 5 SW	75.8	53.7	64.8		90	12	33	25	94	1	0	0	0	4.95		2.40	16	.0	0		5	3	2	
LEWES 1 SW	73.1	55.6	64.4		90	12	37	25	94	1	0	0	0	5.71		2.95	16	.0	0		4	4	2	
MILFORD 3 WNW	75.5	52.9	64.2		90	12	34	25	95	1	0	0	0	4.51		2.00	16	.0	0		6	3	2	
SELBYVILLE																								
	74.9	53.0	64.0		89	12	34	25	103	0	0	0	0	4.08		2.02	16	.0	0		5	2	1	
DIVISION 02																								
			64.6	- 4.3										4.87	.78									

Beginning with this issue the Daily Precipitation Table, Daily Temperature Table, Snowfall and Snow on Ground Table, and Evaporation and Wind Table will be arranged by Division in the same order as the Climatological Data Table.

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 93° on the 12th at Leonardtown 3 NW, Maryland

Lowest Temperature: 24° on the 25th at Emmitsburg 2 SE, Maryland

Greatest Total Precipitation: 7.35 inches at Pocomoke City 1 S, Maryland

Least Total Precipitation: 1.26 inches at Westernport, Maryland

Greatest One-Day Precipitation: 5.08 inches on the 16th at Pocomoke City 1 S, Maryland

See Reference Notes Following Station Index

DAILY TEMPERATURES

MARYLAND AND DELAWARE
SEPTEMBER, 1963

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																																
CRISFIELD HAMMOCK PT	MAX MIN	84 63	85 59	84 70	83 73	80 66	70 58	76 57	79 60	81 59	83 70	84 58	83 70	81 57	68 56	62 56	62 57	65 57	72 62	80 60	80 67	78 64	67 53	65 50	67 45	70 42	72 49	77 57	78 63	75 62	73 53	75.5 59.1
OCEAN CITY WATER PLANT	MAX MIN	79 65	80 61	79 70	83 72	76 66	66 59	73 57	74 60	76 61	78 66	78 65	76 69	75 56	63 59	64 59	63 58	64 57	67 62	78 61	76 65	73 63	65 55	65 46	61 50	66 51	69 53	75 55	75 60	73 62	70 52	72.0 59.8
POCOMOKE CITY I S	MAX MIN	85 58	80 47	86 55	85 71	75 63	68 56	76 47	78 48	84 48	86 57	82 54	86 62	79 55	65 56	63 56	62 56	64 55	74 54	82 61	84 60	80 60	67 52	66 41	63 38	69 33	76 39	78 38	81 52	74 59	72 50	75.7 52.7
PRINCESS ANNE	MAX MIN	85 57	81 52	84 60	85 72	81 65	68 56	75 52	80 51	84 51	88 58	85 55	86 64	84 55	65 54	62 54	61 55	65 61	67 61	80 55	83 61	82 62	66 51	65 41	63 36	69 36	74 41	77 45	77 60	76 55	70 50	75.8 54.3
SALISBURY	MAX MIN	84 58	83 53	86 60	87 73	78 64	67 57	78 51	82 51	88 53	90 61	85 55	88 62	85 56	65 55	66 55	60 55	65 56	73 62	83 61	85 63	82 63	67 52	65 43	66 40	71 37	76 42	81 48	80 56	74 59	70 50	77.0 55.0
SALISBURY FAA AIRPORT	MAX MIN	80 56	83 52	85 63	84 69	69 59	66 52	75 49	78 50	85 52	87 59	84 55	86 65	76 56	62 55	61 55	59 55	64 58	68 62	83 62	87 65	65 59	64 50	60 44	63 39	70 35	76 41	82 45	80 58	72 58	64 46	73.9 54.4
SNOW HILL	MAX MIN	79 58	80 52	84 59	84 71	73 64	66 57	76 50	78 52	81 52	85 62	81 56	86 67	71 55	64 57	62 67	61 56	64 56	71 61	81 61	85 62	78 62	65 51	63 46	62 41	67 38	73 42	79 47	78 56	73 59	67 49	73.9 55.2
CENTRAL EASTERN SHORE																																
BLACKWATER REFUGE	MAX MIN	88 80	86 58	82 59	84 64	83 66	73 60	78 53	84 56	90 56	89 64	88 59	87 71	84 80	67 57	63 57	59 55	65 56	73 59	85 59	89 58	83 59	68 48	66 36	66 38	76 37	80 45	89 52	84 58	78 60	72 52	78.6 55.7
CAMBRIDGE 4 W	MAX MIN	79 57	84 51	87 67	85 73	79 64	70 58	81 49	83 51	85 52	87 58	85 58	87 67	80 68	69 54	60 54	59 56	64 56	73 63	84 58	87 59	76 60	65 49	62 44	64 39	69 49	75 42	82 47	80 71	72 57	67 52	76.1 55.2
DENTON I S	MAX MIN	82 54	84 54	86 60	83 65	75 61	69 54	76 49	84 51	88 50	87 53	86 52	88 65	79 55	65 50	63 54	59 54	66 55	70 59	84 62	85 60	78 60	69 48	66 41	64 35	71 37	78 51	81 52	80 54	74 57	47 47	76.4 53.3
EASTON POLICE BARRACKS	MAX MIN	82 55	84 53	88 65	85 70	80 63	71 58	80 51	83 54	85 54	87 61	85 56	87 66	73 53	64 54	63 54	59 54	64 56	62 62	84 59	87 63	85 60	66 48	66 40	64 38	70 47	74 54	80 54	81 73	73 54	71 49	76.4 54.9
PRESTON I S	MAX MIN	78 53	84 49	86 62	84 70	76 63	70 57	80 50	84 51	86 51	87 59	85 55	90 65	84 55	63 52	60 54	58 54	63 56	70 60	83 59	87 61	83 60	67 47	60 42	65 36	69 35	75 41	81 49	80 52	71 59	66 47	75.8 53.3
ROYAL OAK	MAX MIN	82 56	85 56	89 69	86 70	79 62	72 58	81 57	83 55	87 56	89 63	85 55	90 69	80 58	67 52	61 54	59 55	65 56	73 62	85 59	87 64	74 61	67 49	62 47	64 37	71 38	75 46	81 56	79 58	71 59	70 50	76.6 56.2
VIENNA	MAX MIN	81 57	82 52	84 64	85 65	76 65	70 56	78 55	80 53	87 53	88 59	85 54	89 65	82 56	65 55	65 55	62 55	65 61	65 61	82 61	86 63	83 62	67 50	67 43	67 38	72 36	75 45	83 48	82 58	74 58	67 49	76.3 54.8
LOWER SOUTHERN																																
CHARLOTTE HALL I ESE	MAX MIN	85 55	86 51	89 64	89 70	80 63	71 55	80 52	87 56	87 54	86 61	84 55	92 66	91 57	79 59	75 50	75 54	67 55	70 61	84 57	87 59	87 60	66 47	65 40	64 35	69 34	76 42	82 53	81 52	73 58	71 47	79.3 54.1
LA PLATA I W	MAX MIN	80 52	86 49	90 65	89 66	84 63	73 57	82 53	85 53	87 55	87 56	86 52	92 67	84 59	65 54	60 55	60 55	67 54	74 61	85 56	89 54	80 61	66 47	65 37	65 33	73 42	77 46	84 48	79 60	74 57	47 47	77.9 52.7
LEONARDTOWN 3 NW	MAX MIN	83 56	87 48	91 65	87 69	80 67	73 57	85 49	85 49	87 49	89 51	93 62	90 58	84 58	64 56	64 52	59 55	68 56	80 65	86 55	89 56	87 58	76 48	65 41	66 34	72 33	76 41	82 44	86 50	74 57	72 47	78.9 52.8
OWINGS FERRY LANDING	MAX MIN	80 56	84 50	87 65	85 70	74 63	73 56	80 54	81 55	88 60	87 60	85 55	90 66	85 59	63 56	59 66	59 58	66 59	71 65	83 58	88 62	80 59	65 47	62 41	60 36	67 35	75 43	82 56	82 55	71 59	67 46	75.9 54.7
PRINCE FREDERICK	MAX MIN	87 56	83 48	92 64	90 64	80 63	67 56	76 50	81 53	87 53	87 59	87 55	92 65	90 65	78 55	73 65	73 54	66 58	71 59	85 56	88 58	87 59	80 46	65 41	64 34	68 34	76 41	82 52	79 64	76 58	76 45	80.6 55.5
SOLOMONS	MAX MIN	81 64	82 53	89 67	85 72	78 67	73 60	77 62	81 64	83 64	85 66	83 64	90 69	86 59	63 58	63 56	60 57	65 57	73 63	84 63	86 65	81 63	64 53	63 47	63 48	62 51	72 55	81 57	78 60	72 61	71 52	76.0 59.9
WALDORF POLICE BRKS	MAX MIN	83 52	83 48	90 65	90 65	81 60	80 54	79 59	85 52	87 52	87 58	86 54	92 67	90 57	65 50	62 60	60 53	68 50	74 60	84 53	90 53	90 60	77 47	68 40	65 32	67 33	78 39	83 46	83 50	79 59	79 47	79.5 52.3
UPPER SOUTHERN																																
ANNAPOLIS 2 WNW	MAX MIN																															
BALTIMORE WB AIRPORT	MAX MIN	78 53	82 52	84 63	80 63	65 58	72 55	78 52	81 53	85 56	86 60	79 54	90 64	76 54	60 51	55 52	62 54	68 58	75 62	85 58	88 61	73 56	66 48	62 39	60 39	66 35	77 41	82 51	81 51	72 58	69 47	74.6 53.4
BELTSVILLE	MAX MIN	79 52	76 49	82 57	86 68	80 62	67 54	72 51	77 52	80 54	85 55	83 50	79 60	88 57	63 49	61 51	57 53	62 55	68 59	75 58	83 55	85 61	65 45	65 40	61 32	60 31	67 38	77 44	81 51	82 54	71 43	73.9 51.3
BELTSVILLE PLANT STA 5	MAX MIN	80 53	85 49	87 62	86 69	80 62	67 55	72 51	78 52	80 54	84 55	84 50	79 63	88 56	63 50	61 52	56 54	61 55	68 60	75 54	84 54	86 62	65 45	65 39	62 31	62 31	64 38	77 42	81 44	83 54	72 44	74.0 51.6
COLLEGE PARK	MAX MIN	78 54	84 51	87 67	87 71	79 62	72 56	77 52	80 54	86 56	86 56	85 52	90 68	89 56	64 50	53 68	62 53	69 56	76 61	85 58	89 56	86 60	66 46	63 41	62 36	68 34	77 40	83 46	83 48	72 59	71 47	77.1 53.3
DALECARLIA RES D C	MAX MIN	77 56	83 55	87 67	86 70	77 63	73 56	78 56	81 57	84 59	83 59	84 54	88 68	83 55	64 52	60 53	61 54	70 56	76 60	82 57	86 57	82 58	66 47	62 39	62 36	66 37	76 44	80 48	81 49	84 59	69 46	76.3 54.2
FORT GEORGE G MEADE	MAX MIN	80 51	83 48	86 63	84 68	76 62	73 55	78 49	81 52	86 53	85 49	85 53	87 65	86 56	64 50	62 53	62 53	68 56	75 60	85 58	88 54	84 60	66 45	63 37	63 31	68 31	77 38	82 44	81 47	76 54	72 41	76.9 50.9
GLENN DALE BELL STA	MAX MIN	80 50	85 48	87 64	87 69	78 62	72 54	79 50	82 52	86 53	86 55	85 49	89 65	88 54	63 49	60 53	60 54	68 55	75 60	85 56	88 55	88 60	67 44	67 33	62 32	68 31	77 39	83 47	83 47	77 59	73 41	77.6 51.3
LAUREL 3 W	MAX MIN	80 59	80 58	82 65	81 69	78 62	72 56	78 55	80 60	84 60	84 65	85 56	85 56	85 55	63 50	60 51	61 54	69 57	80 60	82 59	85 62	85 49	72 46	65 43	61 39	61 39	66 46	78 57	82 78	80 84	72 46	76.3 55.0
NATIONAL ARBORETUM D C	MAX MIN	80 56	85 50	88 66	87 71	78 61	76 57	78 61	79 55	86 57	85 61	82 54	91 68	89 54	64 52	60 53	61 54	69 56	77 60	85 61	89 62	87 60	68 46	67 43	64 36	70 36	77 44	84 53	83 56	78 59	74 46	78.0 55.4
SUTTLAND	MAX MIN	82 67	78 54	83 65	87 69	81 62	66 56	72 54	79 																							

DAILY TEMPERATURES

MARYLAND AND DELAWARE
SEPTEMBER 1963

Continued

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																																
NORTHERN EASTERN SHORE																																
CENTREVILLE	MAX MIN	80 56	82 51	85 42	85 61	77 64	70 56	78 51	80 53	84 53	84 58	82 52	88 65	86 56	63 51	59 53	57 54	64 57	68 62	83 59	86 59	80 58	65 47	62 41	64 35	69 34	74 41	80 52	79 56	71 59	69 49	75.1 53.5
CHESTERTOWN	MAX MIN	81 55	84 55	85 66	83 67	69 57	73 57	80 54	84 57	87 58	86 60	84 56	89 67	78 55	61 52	57 51	58 54	64 58	68 62	86 60	88 63	74 54	66 47	62 44	65 38	70 40	76 45	84 54	84 58	70 58	71 47	75.6 55.0
COLEMAN 3 WNW	MAX MIN	80 56	83 55	85 64	85 64	78 62	72 57	80 52	80 60	86 57	85 61	89 58		86 56	63 53	61 53	58 55	65 57	71 62	85 61	86 63	83 59	67 49	63 47	61 42	66 40	75 45	83 54	84 58	78 59	69 48	76.1 55.4
MILLINGTON	MAX MIN	78 51	85 49	85 63	84 70	77 61	72 56	78 49	82 52	85 52	85 57	85 49	89 66	85 56	62 48	60 51	57 52	60 56	68 62	84 60	86 60	81 59	66 45	62 44	62 35	69 34	74 40	80 47	81 50	73 60	68 48	75.6 52.7
ROCK HALL 3 SE	MAX MIN	78 58	80 59	82 69	81 71	75 64	69 47	75 58	80 60	83 61	83 62	80 59	86 69	83 56	61 54	61 53	59 55	65 56	69 62	84 60	85 62	78 58	64 49	62 45	62 39	67 44	72 50	80 54	80 57	72 60	68 50	74.1 56.7
NORTHERN CENTRAL																																
BALTIMORE WB CITY	MAX MIN	80 62	84 60	86 69	81 67	67 60	74 58	78 61	80 64	88 65	86 68	80 61	90 69	80 56	62 54	57 54	62 56	68 59	76 65	87 63	89 66	74 57	66 49	62 47	61 43	67 43	79 50	84 58	85 60	74 60	71 50	75.9 58.5
BENSON POLICE BARRACKS	MAX MIN	78 51	79 49	80 60	79 66	74 58	69 52	76 50	79 50	84 53	83 55	79 50	86 62	84 52	64 45	62 59	59 55	65 58	75 59	84 40	87 55	85 54	74 40	77 41	63 34	67 31	75 36	82 46	82 53	75 36	68 43	75.8 50.4
BOYDS 2 NW	MAX MIN	78 52	81 50	83 63	80 57	72 56	73 51	78 52	80 56	85 57	83 55	81 52	87 55	73 54	64 44	57 46	65 53	72 50	80 53	85 57	88 57	82 56	66 41	61 35	62 33	67 33	78 44	84 46	83 47	80 45	69 42	75.9 49.7
CONOWINGO DAM	MAX MIN	79 52	83 49	83 64	80 64	67 56	72 55	75 51	88 55	84 54	82 55	82 54	90 63	74 49	65 48	59 61	63 54	67 56	73 61	84 56	83 58	72 56	66 46	61 40	64 34	66 35	73 41	82 47	81 49	69 57	67 47	74.5 51.5
EDGEWOOD ARSENAL	MAX MIN	76 52	79 49	83 70	80 64	67 57	73 56	77 54	79 56	87 57	83 53	80 69	86 69	77 51	62 49	57 55	60 55	66 58	67 62	82 60	84 59	69 55	64 46	60 39	60 35	64 35	70 41	79 46	79 53	69 48	68 47	72.8 53.1
ELKTON	MAX MIN	85 50	83 48	85 62	82 69	76 62	78 54	80 49	84 54	86 54	84 54	83 50	89 65	88 50	64 48	61 55	59 57	65 62	71 62	86 58	86 56	81 58	66 45	65 43	65 34	69 35	75 44	83 47	81 49	73 59	69 43	76.7 52.0
ENMITSBURG 2 SE	MAX MIN	78 48	83 47	86 64	84 64	67 57	75 49	78 46	83 48	88 52	86 49	82 50	92 59	88 51	68 43	67 38	67 45	77 50	80 60	89 49	90 58	83 53	67 46	64 33	66 28	71 24	80 31	84 38	86 48	78 38	78 38	78.8 46.5
FREDERICK WB AIRPORT	MAX MIN	79 53	82 49	85 64	78 59	64 57	77 53	80 52	81 55	85 55	83 55	79 49	89 67	78 50	64 42	54 46	64 54	74 48	78 60	87 57	90 63	66 53	67 40	64 34	64 30	68 30	79 39	84 48	84 59	74 48	69 44	75.8 50.6
PARKTON 2 SW	MAX MIN	76 49	79 48	81 61	78 59	64 55	71 50	75 50	78 54	85 54	79 58	78 49	86 64	77 45	63 43	56 44	59 52	68 55	76 61	83 56	85 60	70 52	63 41	60 39	61 33	65 32	76 39	81 48	76 53	68 48	67 40	73.0 50.0
ROCKVILLE	MAX MIN	80 54	82 54	85 65	86 61	78 61	73 54	77 55	80 55	84 56	84 56	84 56	87 59	86 55	64 46	60 46	60 53	70 55	74 60	84 56	87 62	87 58	66 45	66 42	63 37	67 37	75 44	82 41	82 52	78 41	72 46	76.8 54.1
TOWSON	MAX MIN	80 52	80 51	83 65	83 68	78 61	72 54	77 55	79 55	85 56	85 56	84 51	88 66	86 54	65 50	60 46	60 53	67 55	76 60	84 56	85 58	85 59	67 44	74 42	65 33	68 33	76 39	81 46	81 52	78 48	71 45	76.8 52.4
UNIONVILLE	MAX MIN	77 48	80 45	84 64	79 65	66 56	72 49	79 49	80 50	85 51	83 49	79 44	87 66	78 51	67 41	59 40	63 53	72 47	76 62	84 50	88 54	83 54	65 28	61 30	62 26	69 27	77 35	82 40	83 50	70 57	68 41	75.3 47.4
WESTMINSTER	MAX MIN	76 48	80 47	85 64	79 64	72 54	72 49	75 54	80 55	85 56	81 49	79 44	87 64	83 49	64 44	59 46	60 52	69 51	76 60	84 55	87 61	81 56	62 41	57 37	62 32	65 33	75 41	81 48	81 56	76 48	68 42	74.6 50.9
WHEATON REGIONAL PARK	MAX MIN	77 51	80 50	83 62	81 69	75 60	72 54	77 52	80 51	82 54	82 55	80 66	83 66	82 55	62 48	60 50	58 53	68 55	72 59	82 54	84 55	81 61	74 45	63 38	60 33	65 32	72 39	78 45	78 46	73 58	69 45	74.4 51.5
WOODSTOCK	MAX MIN	82 49	82 47	84 63	84 68	75 59	73 52	78 49	81 52	85 53	83 56	80 48	87 63	85 54	64 47	60 44	60 53	68 55	77 62	85 53	86 55	82 58	65 43	64 36	63 29	68 32	77 41	83 46	83 47	73 58	71 44	76.3 50.2
APPALACHIAN MOUNTAIN																																
BOONSBORO	MAX MIN	77 52	81 53	84 66	80 65	71 57	73 52	76 53	79 59	85 58	82 57	78 52	90 66	83 53	67 46	59 47	68 52	78 48	79 62	86 56	89 61	81 54	65 39	64 36	64 37	68 40	79 46	84 53	84 58	75 56	68 41	76.6 52.5
CHEWSVILLE BRIDGEPORT	MAX MIN	78 50	83 46	87 65	83 66	75 58	75 55	79 50	83 52	87 55	83 52	80 49	91 68	86 54	69 41	62 42	72 53	80 48	81 62	89 55	90 60	82 55	67 38	65 32	67 32	70 31	80 42	85 48	87 53	77 42	71 42	78.9 49.7
CUMBERLAND	MAX MIN	79 51	85 48	90 60	85 65	74 55	70 53	80 53	82 55	86 58	83 53	83 49	89 62	84 53	71 38	67 41	77 52	86 44	88 52	87 50	87 55	80 56	66 40	70 34	67 32	74 31	83 42	83 42	85 51	76 55	71 39	79.6 48.7
CUMBERLAND POLICE BRKS	MAX MIN	83 50	83 46	89 59	89 64	76 54	67 54	77 52	81 53	86 53	86 53	81 47	88 60	88 52	66 37	66 38	73 52	84 41	84 49	85 47	85 55	85 54	62 40	68 31	67 28	71 29	89 29	82 40	83 46	84 45	73 38	79.4 46.3
FROSTBURG	MAX MIN	72 48	72 47	80 53	83 62	70 53	55 50	64 49	75 51	76 54	79 49	77 51	75 54	82 49	60 45	63 48	61 49	73 45	79 48	79 50	80 57	81 55	58 39	60 32	66 32	62 31	68 36	76 47	78 55	81 52	69 38	71.8 47.4
HAGERSTOWN	MAX MIN	79 54	82 50	86 65	83 66	77 56	74 54	78 52	82 55	86 57	85 55	79 52	90 67	86 53	68 41	66 44	74 53	80 44	80 63	89 55	90 61	82 55	66 42	64 36	65 33	69 35	80 41	84 50	85 56	79 56	76 43	78.8 51.6
HANCOCK FRUIT LAB	MAX MIN	79 46	77 43	86 58	90 62	78 57	60 54	72 50	78 53	81 55	85 51	83 44	79 60	88 54	66 33	70 35	60 51	78 40	83 56	83 48	86 54	90 57	61 33	66 30	66 26	65 25	71 31	81 38	84 47	85 56	76 37	76.9 46.1
PICARDY	MAX MIN	77 49	84 45	88 61	85 63	72 54	67 52	75 49	79 53	85 55	83 52	79 48	83 67	81 52	65 42	60 52	62 53	82 45	81 42	85 53	88 57	79 55	65 37	65 34	66 30	69 30	79 40	82 46	84 56	75 44	71 40	76.9 49.2
WESTERNPORT	MAX MIN	77 50	83 48	87 59	82 64	70 55	68 56	79 55	80 53	85 55	83 54	80 50	86 60	69 55	66 41	65 44	74 53	86 45	82 49	86 50	86 56	71 57	67 42	71 33	67 31	74 30	83 37	82 42	83 51	74 55	68 40	77.1 49.0
ALLEGHENY PLATEAU																																
BITTINGER 2 NW	MAX MIN	67 44	73 45	77 55	70 58	61 52	62 47	69 46	73 50	74 52	71 51	70 48	76 62	70 44	56 38	55 39	69 41	73 44	73 45	72 47	74 52	65 50	65 33	58 30	56 31	62 30	69 39	70 43	73 48	63 52	57 34	67.4 45.0
OAKLAND 1 SE	MAX MIN	70 43	77 39	79 55	67 58	66 52	66 49	73 49	75 46	77 48	75 52	78 45	79 61	62 48	60 41	58 43	62 46	75 37	77 40	76 40	77 48	77 46	52 34	62 27	60 30	69 25	73 29	7				

DAILY TEMPERATURES

MARYLAND AND DELAWARE
SEPTEMBER 1963

Continued

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	
DELAWARE																																
NORTHERN																																
MIDDLETOWN 2 S.	MAX																															
	MIN																															
NEWARK UNIVERSITY FARM	MAX	80	81	85	85	78	72	78	82	84	84	81	89	89	65	65	57	64	72	82	85	83	67	65	63	67	74	82	81	77	67	76.1
	MIN	49	47	60	68	60	53	48	54	53	56	51	64	54	49	48	54	55	61	61	60	56	44	42	34	33	38	51	52	58	43	51.9
WILMGTN NCASTLE WB AP	MAX	78	81	84	80	67	69	77	80	84	82	79	88	75	65	59	60	66	70	83	84	64	67	61	62	66	73	82	81	70	67	73.5
	MIN	53	52	65	67	57	55	52	56	56	61	54	67	53	51	52	55	58	62	62	61	57	46	41	37	38	42	50	53	58	45	53.9
WILMGTN PORTER RESVR	MAX	76	79	82	76	68	67	75	78	82	79	78	86	76	62	58	59	68	70	81	85	65	64	58	61	67	72	80	80	67	65	72.1
	MIN	52	52	65	66	54	52	51	58	57	61	55	66	51	49	50	53	56	60	59	60	54	44	40	38	38	43	52	53	54	44	52.9
SOUTHERN																																
BRIDGEVILLE 1 NW	MAX	85	83	87	85	76	75	80	81	87	87	85	90	82	63	60	60	64	70	84	87	77	66	66	63	69	76	81	80	72	70	76.4
	MIN	50	49	61	70	63	55	46	51	51	56	52	65	55	54	55	55	55	61	60	62	60	48	42	38	35	41	49	55	58	47	53.3
DCVER	MAX	81	81	86	83	77	66	79	80	85	84	81	89	88	64	62	60	64	67	84	87	82	65	65	63	67	75	82	83	74	69	75.8
	MIN	53	53	62	70	64	64	51	56	56	60	53	65	56	51	54	54	55	61	59	60	59	47	44	38	38	43	53	56	60	48	54.8
GEORGETOWN 5 SW	MAX	79	82	88	83	78	66	78	80	86	86	86	90	85	63	60	60	64	68	83	87	80	65	63	62	69	76	81	81	75	70	75.8
	MIN	56	50	62	71	63	56	46	50	50	57	51	64	55	57	55	55	55	62	61	63	61	50	41	36	33	39	47	56	60	49	53.7
LEWES 1 SW	MAX	75	80	85	80	72	64	75	70	82	81	80	90	75	62	62	62	64	67	84	88	71	64	62	60	64	72	82	81	74	65	73.1
	MIN	61	54	62	70	63	54	49	51	58	59	56	68	57	58	56	56	57	61	59	62	55	51	50	48	37	41	50	56	60	48	55.6
MILFORD 3 WNW	MAX	80	82	86	83	76	66	79	79	84	84	83	90	83	66	65	60	66	68	81	87	80	65	62	67	65	74	80	83	73	68	75.5
	MIN	51	53	63	70	64	55	45	52	51	48	51	65	54	54	52	55	54	61	60	62	59	48	40	36	34	38	49	56	59	49	52.9
SELBYVILLE	MAX	78	83	85	85	76	65	77	78	85	84	82	89	78	62	61	60	63	67	82	87	85	65	63	62	67	75	79	84	68	74.9	
	MIN	54	49	56	71	64	56	46	49	50	58	51	65	55	54	55	50	55	61	60	63	60	51	41	40	34	38	47	49	60	49	53.0

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	
MARYLAND																																
UPPER SOUTHERN																																
BELTSVILLE	EVAP	.15	.29	.17	.15	.17	.08	.11	.10	.13	.16	.12	.10	.20	.27	.11	.22	.00	.05	.04	.38	.17	.01	-	.23	.13	.34	.04	.09	-	.28	4.608
	WIND	45	29	28	30	49	34	20	11	15	13	30	45	52	30	61	58	36	46	21	26	35	66	54	33	25	18	28	36	89	1165	
	MAX	83	83	86	87	82	73	79	80	84	88	84	82	85	87	81	87	81	69	75	84	65	66	71	68	69	73	81	75	75	73	75.7
	MIN	60	63	56	65	62	56	56	58	58	60	57	57	64	51	51	53	52	57	62	61	50	36	43	39	39	39	46	40	52	48	53.0
UPPER MARLBORO 3 NNW	EVAP	.24	.16	.14	.12	.17	.04	.12	.15	.08	.14	.19	.14	.08	.23	*	*	.10	.04	.05	.14	.19	.09	.16	.16	.11	.11	.10	.16	.06	.11	3.58
	WIND	18	9	10	20	24	26	8	3	3	6	13	13	38	21	24	24	1	14	5	6	11	17	19	19	5	1	4	3	6	23	394
	MAX	91	90	94	92	87	72	82	88	92	93	93	90	90	89	80	91	64	72	77	90	93	76	92	75	75	78	83	89	90	85	85.1
	MIN	68	67	63	70	68	61	61	66	61	66	63	63	69	62	61	57	59	62	65	65	67	60	50	47	46	47	53	60	63	56	60.9
ALLEGHENY PLATEAU																																
SAVAGE RIVER DAM	EVAP	.27	.15	.11	.13	.10	.03	.08	.16	.09	.19	.27	.05	.10	.31	.04	.08	.08	.17	.18	.15	.07	.11	.13	.15	.03	.17	.15	.07	.20	.06	3.88
	WIND	58	30	32	30	46	69	47	40	33	48	47	39	98	29	87	71	42	47	40	40	48	52	52	18	61	44	34	54	24	87	1467
	MAX	60	77	79	75	70	71	76	81	80	81	80	76	82	65	61	64	75	81	79	78	80	61	66	71	75	67	72	72	81	71	73.6
	MIN	55	52	52	65	58	54	54	55	52	57	54	54	59	46	41	41	50	52	51	53	56	44	38	33	37	44	42	48	51	42	49.7
DELAWARE																																
NORTHERN																																
NEWARK UNIVERSITY FARM	EVAP	.21	.08	.07	.21	.24	.07	.21	.13	.06	.17	.29	.08	.30	.12	.07	*	*	*	.14	.04	.12	.24	.13	.03	.12	.11	.25	.04	.18	-	3.848
	WIND	23	15	19	24	60	29	15	8	15	11	13	31	27	31	25	9	17	9	28	18	13	22	24	17	9	17	22	16	49	40	651
	MAX	88	87	92	92	91	80	84	88	91	92	91	93	92	76	70	69	68	76	91	90	89	79	77	75	79	82	87	84	83	-	84.0
	MIN	58	53	66	71	64	55	57	61	61	64	58	65	61	51	50	55	57	62	64	63	62	50	45	59	43	41	54	56	60	-	57.4
SOUTHERN																																
GEORGETOWN 5 SW	EVAP	-	.19	.19	.21	.19	.03	.10	.17	.17	.20	.16	.23	.18	.15	.01	-	-	.01	.13	.20	.10	-	-	.14	.13	.12	.16	.13	.10	.18	4.308
	WIND	-	23	34	54	98	78	16	32	23	22	15	34	71	100	93	104	64	52	39	24	45	95	80	31	23	17	25	17	64	90	15138

MAX AND MIN IN DAILY EVAPORATION TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RECORDED DURING THE 24 HOURS ENDING AT TIME OF OBSERVATION.

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover	sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 AM EST	7:00 AM EST	1:00 PM EST	7:00 PM EST	Traces	01-09	10-49	50-99	100-199	200 and over	Total			
BALTIMORE WB AIRPORT, MD.	W	14	8.8	26	NW	29	81	83	58	71	4	3	1	1	1	1	11	60	5.0	
FREDERICK WB AIRPORT, MD.	-	-	-	-	-	-	-	-	-	-	1	4	1	0	1	0	7	-	-	
WASHINGTON WB CITY, D.C.	-	-	-	-	-	-	-	-	-	-	0	1	3	1	1	0	6	-	-	
WILMINGTON-N CASTLE WB AP, DEL.	NNE	15	8.5	22+	NNW	30	78	82	54	69	5	1	3	0	2	0	11	-	5.4	

See Reference Notes Following Station Index

MARYLAND AND DELAWARE

