

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
ROBERT M. WHITE, Chief

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

JUNE 1964
Volume 68 No. 6



ASHEVILLE: 1964

MARYLAND AND DELAWARE - JUNE 1964

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 100° on the 10th at Lewes 1 SW, Del.

Lowest Temperature: 34° on the 17th at Oakland 1 SE, Md.
and at Sines Deep Creek 2, Md.

Greatest Total Precipitation: 7.12 inches at Bittinger 2 NW, Md.

Least Total Precipitation: 0.55 inch at Georgetown 5 SW, Del.

Greatest One-Day Precipitation: 2.11 inches on the 24th at Blackwater Refuge, Md.

SPECIAL WEATHER SUMMARY

The unusual rainfall deficiency which began in May continued through June. The combined May and June rainfall totals were the lowest on record since 1892 for Delaware and for at least the Appalachian Mountain, North Central, Upper Southern, Northern and Central Eastern Shore Divisions of Maryland. Also, the three first-order Weather Bureau Stations within the area experienced their driest May-June period: a total of only 1.24 inches at Wilmington's Greater Wilmington Airport, the lowest on record since 1894; a total of 2.40 inches at Baltimore Custom House, the lowest on record dating back to 1871; and a total of 2.76 inches at Washington, D. C., the lowest also from 1871. It should, however, be noted that in western and in extreme southern Maryland, including the southwestern section of Eastern Shore, the June rainfall did approach or exceed normal.

Although the most important feature of the month was the prolonged dryness, the two-state area did experience

some violent thunderstorm activity with strong gusty winds but without significant or widespread rainfall. The thunderstorms on the afternoon and evening of the 15th affected central and eastern Maryland, central Eastern Shore and central Delaware and brought considerable damage by high winds to such widely scattered areas as Boonsboro in Frederick County, Clarksville in Howard County, and Denton in Caroline County, Maryland; also Smyrna in Kent County, Delaware. Estimated wind speeds of 50 to 75 m.p.h. were reported and wind gusts of 85 m.p.h. were actually measured at Boonsboro.

W. J. Moyer
Weather Bureau State Climatologist
Weather Bureau Airport Station
Friendship International Airport
Baltimore, Maryland 21240

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE
JUNE 1964

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
										90° or Above	80° or Above	70° or Above	60° or Above														
MARYLAND																											
SOUTHERN EASTERN SHORE 01																											
CRISFIELD SOMERS COVE	81.5	65.5	73.5	- 1.8	92	10	51	4	9	2	0	0	0	3.17	- .14	1.70	24	.0	0		5	2	1				
OCEAN CITY WATER PLANT	77.4	63.0	70.2		93	10	53	17	17	1	0	0	0	1.30		.77	25	.0	0		3	1	0				
POCOMOKE CITY 1 S	84.1	57.3	70.7		96	10	41	17	33	7	0	0	0	4.21		1.42	21	.0	0		4	3	3				
PRINCESS ANNE	84.4	60.3	72.4		95	10	45	17	17	8	0	0	0	3.03		1.45	21	.0	0		6	1	1				
SALISBURY	84.8	61.6	73.2		95	21	47	4	10	9	0	0	0	3.39	- .10	1.11	21	.0	0		6	3	1				
SALISBURY FAA AIRPORT																											
SNOW HILL	83.2	60.0	71.6		96	10	46	4	26	8	0	0	0	2.85		1.64	24	.0	0		5	2	1				
	83.3	61.1	72.2	- .4	96	10	47	17	21	8	0	0	0	2.17	- 1.63	.71	24	.0	0		5	2	0				
DIVISION																											
			72.0	- 1.1										2.87	- .58			.0									
CENTRAL EASTERN SHORE 02																											
BLACKWATER REFUGE	84.9	62.9	73.9		97	30	50	17	15	10	0	0	0	4.27		2.11	24	.0	0		7	2	1				
CAMBRIDGE 4 W	85.3	61.5	73.4		97	10	45	4	19	12	0	0	0	2.10		.48	2	.0	0		6	0	0				
DENTON 1 S																											
EASTON POLICE BARRACKS	86.0	62.0	74.0	.8	98	10	47	4	15	13	0	0	0	1.87	- 1.49	.80	21	.0	0		5	1	0				
PRESTON 1 S	85.7	60.7	73.2		97	20	46	17	18	12	0	0	0	1.00		.33	21	.0	0		4	0	0				
ROYAL OAK																											
VIENNA	87.1	63.0	75.1		97	24	47	4	13	15	0	0	0	2.98		1.66	21	.0	0		5	1	1				
	84.5	61.5	73.0		97	10	47	4	11	8	0	0	0	3.43		1.32	21	.0	0		8	2	1				
DIVISION																											
			73.8	.6										2.61	- .91			.0									
LOWER SOUTHERN 03																											
CHARLOTTE HALL 1 ESE	86.8M	60.8M	73.8M		98	11	45	4	17	14	0	0	0	4.59		.89	20	.0	0		8	5	0				
LA PLATA 1 W	85.0	60.4	72.7		97	10	44	4	22	9	0	0	0	2.76		1.29	21	.0	0		5	1	1				
LEONARDTOWN 3 NW	86.8	58.7	72.8		98	10	41	17	25	15	0	0	0	4.33		1.33	20	.0	0		7	5	1				
OWINGS FERRY LANDING	85.2	62.4	73.8	.8	96	30	48	4	14	10	0	0	0	1.99	- 1.27	.64	8	.0	0		7	1	0				
PRINCE FREDERICK	85.3	59.4	72.4		96	10	43	4	23	13	0	0	0	2.89		.74	8	.0	0		8	2	0				
SOLOMONS																											
WALDORF POLICE BRKS	88.0	59.5	73.8		100	11	42	4	18	18	0	0	0	2.10		.61	20	.0	0		6	1	0				
DIVISION																											
			73.2	.1										3.11	- .39			.0									
UPPER SOUTHERN 04																											
ANNAPOLIS	85.0	62.8	73.9	.7	97	10	46	4	9	9	0	0	0	1.29	- 2.22	.43	24	.0	0		5	0	0				
BALTIMORE WB AIRPORT R	85.0	60.4	72.7	.2	98	15	46	4	14	10	0	0	0	2.40	- .89	.60	27	.0	0		6	2	0				
BELTSVILLE	84.0	58.3	71.2		97	28	39	4	41	9	0	0	0	1.78		.55	15	.0	0		5	1	0				
BELTSVILLE PLANT STA S	84.0	58.1	71.1		96	28	40	4	35	9	0	0	0	1.97		.50	9	.0	0		5	1	0				
COLLEGE PARK	87.1	61.4	74.3	1.6	99	30	43	4	17	13	0	0	0	2.53	- 1.28	.72	8	.0	0		5	1	0				
DALECARLIA RESVR D C																											
FORT GEORGE G MEADE	87.2M	61.8M	74.5M		97	30	50	4	5		0	0	0	1.16		.31	16	.0	0		5	0	0				
GLENN DALE BELL STA	86.7	58.5	72.6		98	30	40	12	21	12	0	0	0	2.25		.56	16	.0	0		6	1	0				
LAUREL 3 W	86.8	58.6	72.7	.7	98	30	41	4	1.96					1.96	- 2.04	.85	16	.0	0		6	1	0				
NATIONAL ARBORETUM D C	85.8	62.6	74.2		98	30	50	4	8	11	0	0	0	2.54		.78	25	.0	0		7	2	0				
	87.6	63.0	75.3		98	30	47	4	6	13	0	0	0	1.63		.44	16	.0	0		5	0	0				
SUITLAND																											
U. S. SOLDIERS HOME DC	83.7	62.8	73.3		96	11	47	4	14	8	0	0	0	1.92		.62	25	.0	0		6	2	0				
UPPER MARLBORO 3 NNW	85.7	60.8	73.3		96	30	48	4	15	11	0	0	0	1.57		.55	15	.0	0		5	1	0				
WASHINGTON WB CITY D C R	83.7	58.6	71.2		95	21	41	4	34	9	0	0	0	2.59		.78	25	.0	0		6	2	0				
	85.7	64.8	75.3		98	30	52	4	5	11	0	0	0	1.11		.33	19	.0	0		4	0	0				
DIVISION																											
			73.3	.8										1.91	- 1.81			.0									
NORTHERN EASTERN SHORE 05																											
CENTREVILLE	84.9	58.2	71.6		95	10	44	4	13	10	0	0	0	2.78		1.44	19	.0	0		5	2	1				
CHESTERTOWN	85.0	62.6	73.8		98	30	50	4	11	9	0	0	0	1.82		.88	15	.0	0		6	1	0				
COLEMAN 3 WNW	85.3				98	30				10	0	0	0	1.05	- 2.59	.28	15	.0	0		5	0	0				
MILLINGTON	85.1	59.8	72.5	.3	98	30	44	4	21	10	0	0	0	1.16	- 2.00	.37	21	.0	0		4	0	0				
ROCK HALL	85.0	62.5	73.8	1.1	95	30	48	1	12	9	0	0	0	2.30	- 1.10	.70	27	.0	0		7	1	0				
DIVISION																											
			72.9	.1										1.82	- 1.58			.0									
NORTHERN CENTRAL 06																											
BALTIMORE WB CITY	85.2	67.4	76.3	1.6	98	30	55	4	4	12	0	0	0	1.79	- 2.08	.70	24	.0	0		5	1	0				
BENSON POLICE BARRACKS	83.5	58.3	70.9		95	30	45	3	28	8	0	0	0	1.78		.52	8	.0	0		7	1	0				
BOYDS 2 NW																											
CONOWINGO DAM	83.7	58.2	71.0		98	30	47	4	22	8	0	0	0	2.24		.79	24	.0	0		4	2	0				
ELKTON	86.5	59.4M	73.0M	1.2	98	30	43	4	12	10	0	0	0	.86	- 3.10	.27	16	.0	0		4	0	0				
EMMITSBURG 2 SE																											
FREDERICK WFMD	86.5	58.0	72.3		97	30	42	3	19	13	0	0	0	1.03		.28	19	.0	0		4	0	0				
PARKTON 2 SW	86.4	60.5	73.5	2.2	97	30	44	4	11	12	0	0	0	1.33	- 2.27	.46	20	.0	0		4	0	0				
ROCKVILLE	81.9	57.3	69.6		95	30	42	17	42	7	0	0	0	1.03		.25	24	.0	0		5	0	0				
TOWSON	86.0	61.9	74.0		96	30	46	4	10	12	0	0	0	1.23		.45	7	.0	0		4	0	0				
	84.9	60.1	72.5		95	30	45	4	12	10	0	0	0	1.58	- 2.09	.34	15	.0	0		6	0	0				
UNIONVILLE																											
WESTMINSTER 2 N	84.6	56.6	70.6		97	30	40	4	27	9	0	0	0	1.32		.50	6	.0	0		5	1	0				
WHEATON REGIONAL PARK	83.1	59.3	71.2	.5	97	30	46	17	26	7	0	0	0	1.14	- 2.99	.47	7	.0	0		2	0	0				
WOODSTOCK	84.3	59.1	71.7		94	10	41	4	20	8	0	0	0	2.05		.56	7	.0	0		6	1	0				
	84.7M	58.0	71.4M	.4	95	27	40	4	22		0	0	0	1.84	- 1.96	.99	24	.0	0		4	2	0				
DIVISION																											
			72.2	1.0										1.48	- 2.39			.0									

See Reference Notes Following Station Index

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE
JUNE 1964

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						
										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
										30° or Above	32° or Above	30° or Below	32° or Below	30° or Below														
										30° or Above	32° or Above	30° or Below	32° or Below	30° or Below														
APPALACHIAN MOUNTAIN 07																												
BOONSBORO	84.5	60.8	72.7		95	30	43	17	18	8	0	0	0	0	1.86		.81	20	.0	0		3	1	0				
CHEWSVILLE BRIDGEPORT	86.1	59.0	72.6	2.3	99	30	44	3	14	11	0	0	0	0	1.63	- 1.92	.45	15	.0	0		5	0	0				
CUMBERLAND	85.4	58.4	71.9		96	30	43	17	22	10	0	0	0	0	3.15		.60	19	.0	0		9	2	0				
CUMBERLAND POLICE BRKS	85.1	55.7	70.4		94	30	40	17	40	12	0	0	0	0	3.84		1.01	20	.0	0		8	2	0				
FROSTBURG	77.1	54.1	65.6	- 2.2	87	30	41	17	82	0	0	0	0	0	3.86	- .49	.73	19	.0	0		10	2	0				
HAGERSTOWN	85.5	60.4	73.0		98	30	48	17	10	10	0	0	0	0	2.21		.55	15	.0	0		3	1	0				
HANCOCK FRUIT LAB	82.5	57.3	69.9		94	28	41	17	42	7	0	0	0	0	3.29	- .51	.83	16	.0	0		7	3	0				
PICARDY	83.4	56.8	70.1		94	30	40	17	37	8	0	0	0	0	3.52		.85	21	.0	0		8	3	0				
WESTERNPORT	83.3	56.9	70.2	- .1	94	27	41	4	36	7	0	0	0	0	2.74	- 1.36	.55	7	.0	0		9	2	0				
DIVISION			70.7	.4											2.90	- .93			.0									
ALLEGHENY PLATEAU 08																												
BITTINGER 2 NW	73.6	52.5	63.1		82	23	36	17	115	0	0	0	0	0	7.12		1.75	21	.0	0		13	6	1				
OAKLAND 1 SE	76.8	50.9	63.9	- 1.0	86	23	34	17	100	0	0	0	0	0	4.75	.07	1.13	16	.0	0		9	4	1				
SAVAGE RIVER DAM	76.6	53.3	65.0		86	21	39	17	85	0	0	0	0	0	3.64		.71	7	.0	0		9	3	0				
SINES DEEP CREEK 2	78.0	49.2	63.6	- .6	87	23	34	17	96	0	0	0	0	0	6.19	1.37	1.07	7	.0	0		13	6	1				
DIVISION			63.9	- .7											5.43	.88			.0									
DELAWARE																												
NORTHERN 01																												
MIDDLETOWN 1 WSW	85.7	59.1	72.4		97	30	45	4	20	11	0	0	0	0	1.56		.83	16	.0	0		3	1	0				
NEWARK UNIVERSITY FARM	85.9	58.9	72.4		98	30	45	4	19	12	0	0	0	0	.72		.25	16	.0	0		3	0	0				
WILMGTN NCASTLE WB AP	83.2	60.9	72.1	.7	98	30	46	4	21	8	0	0	0	0	1.02	- 3.05	.72	8	.0	0		2	1	0				
WILMGTN PORTER RESVR	82.6	60.4	71.5		97	30	47	4	22	6	0	0	0	0	1.24	- 2.67	.59	8	.0	0		3	1	0				
DIVISION			72.1	.6											1.14	- 2.69			.0									
SOUTHERN 02																												
BRIDGEVILLE 1 NW	86.4	60.2	73.3	1.1	97	30	45	4	18	13	0	0	0	0	.96	- 2.64	.42	16	.0	0		4	0	0				
DOVER	86.1	61.4	73.8	.9	98	30	46	4	12	11	0	0	0	0	.68	- 2.78	.37	16	.0	0		2	0	0				
GEORGETOWN 5 SW	86.5	59.4	73.0		97	30	41	17	23	13	0	0	0	0	.55		.33	2	.0	0		2	0	0				
LEWES 1 SW	82.6	58.6	70.6		100	10	48	17	28	9	0	0	0	0	1.31		.58	15	.0	0		4	1	0				
MILFORD 3 WNW	85.2	58.9	72.1		98	30	44	4	34	15	0	0	0	0	2.37		1.44	16	.0	0		3	1	1				
SELBYVILLE	85.8	59.9	72.9		99	20	44	17	27	12	0	0	0	0	1.11		.35	25	.0	0		4	0	0				
DIVISION			72.6	.2											1.16	- 2.45			.0									

See Reference Notes Following Station Index

MARYLAND AND DELAWARE
JUNE 1964

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DAILY TEMPERATURES

MARYLAND AND DELAWARE
JUNE 1964

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 MIN	70 56	66 56	70 55	76 51	75 65	76 56	78 56	79 58	83 63	92 69	90 69	78 65	83 70	85 70	89 78	88 72	73 56	80 59	84 73	88 70	89 70	86 75	83 70	88 70	78 70	81 61	84 73	84 70	83 65	86 73	81.5 65.5	
OCEAN CITY WATER PLANT	MAX MIN	64 57	63 57	65 54	78 54	77 60	69 59	74 63	75 60	76 63	93 64	81 66	75 57	74 64	81 65	85 69	81 69	73 53	75 59	75 66	80 68	87 68	83 66	76 67	79 70	77 67	79 61	82 66	88 70	80 61	77 67	77.4 63.0	
POCCOKE CITY 1 S	MAX MIN	67 52	65 56	74 49	78 41	77 49	76 45	80 59	83 52	83 54	96 63	88 63	81 45	86 63	95 65	95 65	91 65	75 41	81 46	88 60	92 64	88 65	93 67	85 68	92 68	82 70	84 52	88 56	87 61	84 53	89 61	84.1 57.3	
PRINCESS ANNE	MAX MIN	68 55	68 57	72 49	79 45	78 55	78 50	81 59	83 53	85 56	95 65	94 63	81 49	85 66	93 68	94 67	92 68	76 45	83 49	86 68	93 68	94 70	88 70	84 68	89 71	80 68	84 56	87 61	87 66	86 56	88 66	84.4 60.3	
SALISBURY	MAX MIN	68 55	68 57	73 50	80 47	77 59	78 52	82 61	82 55	85 58	95 64	94 66	81 54	84 64	92 66	93 69	91 69	77 50	83 52	85 68	95 71	95 69	91 68	87 66	90 66	81 58	85 58	88 65	88 59	87 59	89 65	84.8 61.6	
SALISBURY FAA AIRPORT	MAX MIN	66 55	61 54	74 50	77 46	71 53	78 52	82 61	83 54	85 58	96 67	82 57	81 52	86 66	91 70	93 70	75 51	75 47	84 51	88 68	94 70	90 71	93 69	86 68	91 71	79 63	87 57	88 63	80 63	90 58	89 65	83.2 60.0	
SNOW HILL	MAX MIN	66 56	64 57	71 52	79 47	73 55	74 52	80 60	79 55	81 57	96 66	89 67	82 54	85 65	94 68	94 69	82 68	73 47	80 50	87 69	94 70	90 69	94 70	83 68	93 70	82 69	83 57	89 63	85 63	86 58	90 64	83.3 61.1	
CENTRAL EASTERN SHORE 02																																	
BLACKWATER REFUGE	MAX MIN	68 51	68 58	70 51	78 50	78 57	75 56	79 67	84 59	88 60	92 70	86 64	85 63	88 69	94 70	95 69	88 69	74 50	88 52	92 72	95 69	93 68	93 71	92 69	86 68	76 66	82 58	87 68	84 65	93 60	97 67	84.9 62.9	
CAMBRIDGE 4 W	MAX MIN	69 47	66 57	72 46	79 45	82 57	80 54	82 67	83 54	87 59	97 70	86 69	84 49	91 70	92 68	92 68	80 69	78 51	84 49	90 70	96 70	93 67	92 69	86 68	92 73	80 67	86 53	93 64	84 69	90 58	94 68	85.3 61.5	
DENTON 1 S	MAX MIN																																
EASTON POLICE BARRACKS	MAX MIN	69 48	67 57	74 50	81 47	77 58	81 53	84 65	84 59	88 60	98 72	95 70	83 52	85 69	92 68	93 70	91 66	76 50	85 49	92 69	95 69	94 68	90 72	85 67	90 74	80 65	85 56	92 66	91 63	89 59	93 69	86.0 62.0	
PRESTON 1 S	MAX MIN	69 47	65 57	73 51	79 48	78 57	81 52	83 65	83 59	80 59	97 67	91 66	83 50	89 66	93 68	94 69	84 66	77 46	85 50	90 66	97 70	92 70	93 72	87 67	92 73	81 65	86 52	94 65	87 56	92 68	95 68	85.7 60.7	
ROYAL OAK	MAX MIN	72 47	64 56	75 51	81 47	76 56	81 55	84 66	84 68	88 60	97 70	90 64	85 53	88 69	94 70	95 69	91 69	86 53	90 64	92 71	95 69	93 67	92 70	86 66	97 73	82 67	87 57	93 67	90 66	90 60	95 69	87.1 63.0	
VIENNA	MAX MIN	71 50	68 58	73 53	80 47	76 58	79 55	82 65	82 55	87 59	97 67	92 65	82 50	88 67	93 69	93 69	86 65	77 49	83 51	86 69	94 71	91 70	92 72	85 68	88 68	80 68	83 57	83 57	84 65	89 59	92 69	84.5 61.5	
LOWER SOUTHERN 03																																	
CHARLOTTE HALL 1 ESE	MAX MIN	71 49	68 54	74 50	81 45	79 53	81 55	85 62	87 58	90 61	97 70	98 65	84 49	91 69	95 68	94 65	78 47	85 51	92 70	94 68	94 70	93 68	88 69	89 72	82 64	85 58	92 64	91 64	87 59	93 67	86.8 60.8		
LA PLATA 1 W	MAX MIN	70 49	63 54	72 50	79 44	77 50	83 58	84 65	85 62	89 61	97 69	92 67	82 48	88 70	86 66	95 67	85 64	78 46	85 49	91 70	95 65	90 70	91 67	82 71	92 72	80 62	84 55	92 60	88 61	88 55	93 65	85.0 60.4	
LEONARDTOWN 3 NW	MAX MIN	71 45	67 55	75 48	79 41	78 50	82 51	85 63	87 53	91 58	98 69	96 66	85 46	91 69	90 64	95 65	92 65	78 41	87 45	95 66	96 67	92 70	85 66	90 68	90 70	81 63	85 54	91 61	90 65	88 55	93 63	86.8 58.7	
OWINGS FERRY LANDING	MAX MIN	70 51	63 55	73 53	80 48	76 56	79 59	82 67	86 61	84 62	96 70	86 66	84 51	89 68	91 70	94 71	89 67	78 50	83 52	90 71	94 69	93 70	81 70	88 69	81 72	84 64	88 56	93 65	83 63	90 58	96 68	85.2 62.4	
PRINCE FREDERICK	MAX MIN	69 46	65 54	76 56	79 43	78 52	71 53	81 53	82 46	84 58	96 70	92 65	82 48	88 67	91 68	95 68	93 65	78 46	82 48	90 68	94 68	93 69	91 69	90 67	91 67	83 62	86 55	92 63	84 61	89 57	94 67	85.3 59.4	
SOLOMONS																																	
WALDORF POLICE BRKS	MAX MIN	70 47	65 54	75 52	80 42	78 54	83 59	83 65	86 59	90 59	100 70	100 68	81 47	90 66	91 67	99 69	94 66	80 48	85 48	93 48	96 67	95 69	94 66	91 66	90 70	90 60	88 56	95 60	93 63	90 57	96 62	88.0 59.5	
UPPER SOUTHERN 04																																	
ANNAPOLIS	MAX MIN	67 52	70 56	76 53	81 46	78 59	78 60	80 65	81 62	85 63	97 66	92 65	82 54	88 69	90 71	94 69	82 66	78 49	82 54	88 71	96 68	92 72	90 70	81 69	89 72	82 67	86 59	96 63	85 67	89 59	95 67	85.0 62.8	
BALTIMORE WB AIRPORT	MAX MIN	65 51	70 53	76 51	81 46	76 58	80 54	83 60	81 63	85 62	97 60	80 53	83 48	89 64	94 71	98 70	74 56	79 47	84 54	90 67	95 68	93 72	88 70	79 69	90 70	83 61	88 57	97 62	85 63	90 60	97 67	85.0 60.4	
BELTSVILLE	MAX MIN	74 43	65 44	70 46	76 39	80 55	76 53	80 57	82 62	83 61	88 64	96 63	79 46	84 63	89 66	90 67	95 65	73 43	77 49	84 67	90 67	94 72	93 69	89 67	80 69	90 60	82 53	89 56	97 62	84 57	92 67	84.0 58.3	
BELTSVILLE PLANT STA 5	MAX MIN	74 47	65 55	70 45	76 40	80 54	76 52	80 57	81 61	83 60	87 64	95 64	80 47	83 63	90 64	90 65	95 65	72 42	78 48	83 65	90 70	95 67	89 67	79 70	89 60	82 52	89 55	96 65	86 52	92 62	92 62	84.0 58.1	
COLLEGE PARK	MAX MIN	66 50	71 55	78 48	81 43	81 57	81 57	83 60	83 64	89 63	97 69	96 65	84 50	91 68	90 67	96 69	83 66	78 46	83 50	89 71	96 65	95 75	90 72	85 69	90 74	83 64	89 55	97 59	86 65	93 56	99 66	87.1 61.4	
DALECARLIA RESVR D C	MAX MIN	74 54	73 55	73 51	80 50	80 56	82 57	82 62	83 60	89 63	97 65	95 68	80 46	86 64	88 69	95 68	90 61	83 51	88 54	88 61	97 68	94 70	93 72	92 70	88 74	86 62	88 60		90 58	97 66	97 66	87.2 61.8	
FCRT GEORGE G MEADE	MAX MIN	75 47	71 54	74 48	79 40	77 55	79 52	82 58	83 62	89 61	96 62	93 63	85 40	88 64	91 69	96 66	89 64	78 43	84 49	90 67	95 69	93 70	93 68	87 72	87 68	82 59	93 53	96 56	86 60	93 62	98 62	86.7 58.5	
GLENN DALE BELL STA	MAX MIN	74 46	68 54	74 47	79 41	79 																											

DAILY TEMPERATURES

MARYLAND AND DELAWARE
JUNE 1964

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	MAX MIN																																
WASHINGTON WB CITY D C	MAX MIN	67 57	71 55	76 54	80 52	77 60	81 61	83 66	83 65	89 67	96 72	81 63	84 57	89 71	89 72	96 72	73 60	79 55	86 58	90 70	97 69	95 75	90 73	81 70	91 73	83 66	90 62	98 68	86 68	93 63	98 71		85.7 64.8
NORTHERN EASTERN SHORE 05																																	
CENTREVILLE	MAX MIN	78 46	69 56	73 48	79 44	77 56	78 50	83 58	84 56	88 58	95 52	92 62	82 49	86 67	90 54	92 68	85 65	77 52	84 52	91 54	92 55	92 71	90 72	83 67	87 70	80 61	85 55	92 63	83 62	88 55	93 69		84.9 58.2
CHESTERTOWN	MAX MIN	66 50	69 57	72 53	80 50	78 55	82 54	83 65	85 61	88 62	97 69	81 62	83 55	85 68	91 71	93 71	72 58	79 53	85 58	88 69	94 69	94 72	90 71	82 69	89 71	82 64	89 59	95 67	87 64	92 61	98 71		85.0 62.6
COLEMAN 3 WNW	MAX MIN	67 50	72 57	75 53	80 50	77 55	81 54	83 65	81 61	85 62	95 69	91 63	82 57	84 67	93 70	92 70	80 63	79 54	84 57	87 67	94 70	93 72	85 68	86 69	82 65	88 57	95 68	86 65	92 59	98 71		85.3	
MILLINGTON	MAX MIN	65 45	69 58	74 48	79 44	78 54	82 49	84 61	83 57	89 58	96 66	91 63	84 58	85 68	93 70	93 71	71 58	77 47	83 54	89 63	94 68	90 70	82 72	89 68	79 63	89 53	94 60	86 63	92 54	98 67		85.1 59.8	
ROCK HALL	MAX MIN	71 48	71 52	71 52	79 49	79 56	80 55	81 65	84 62	85 62	93 69	92 63	82 53	86 70	91 70	92 70	82 65	79 52	85 55	87 71	93 70	94 72	93 73	84 68	88 72	81 65	87 56	94 66	84 64	88 60	95 71		85.0 62.5
NORTHERN CENTRAL 06																																	
BALTIMORE WB CITY	MAX MIN	65 58	70 58	76 56	81 55	75 59	78 62	82 66	80 67	86 70	98 72	80 65	82 62	90 72	93 76	96 76	78 64	80 57	83 62	90 72	97 72	94 77	90 75	79 71	88 76	84 68	90 68	98 72	86 69	90 71	98 75		85.2 67.4
RENSON POLICE BARRACKS	MAX MIN	70 47	70 52	71 45	77 47	75 51	75 50	81 58	79 61	83 60	94 63	90 61	79 52	85 63	90 68	89 67	84 60	75 47	80 50	85 66	92 66	90 69	94 67	86 63	86 67	77 60	85 53	94 59	84 59	89 55	95 62		83.5 58.3
BOYDS 2 NW	MAX MIN																																
CONOWINGO DAM	MAX MIN	65 48	74 53	72 48	79 47	76 52	76 50	83 58	82 62	85 59	97 64	79 57	82 51	87 64	92 65	90 65	70 53	78 52	84 51	86 65	95 62	95 68	91 66	78 63	87 68	78 59	85 53	94 57	85 61	89 61	98 64		83.7 58.2
ELKTON	MAX MIN	75 54	73 55	73 49	80 43	78 54	80 48	85 57	84 60	87 60	97 63	92 60	83 52	84 66	95 68	93 69	82 61	80 44	85 52	86 64	97 68	96 70	92 68	85 66	89 63	81 53	89 62	94 62	88 62	93 64	98 64		86.5 59.4
EMMITSBURG 2 SE	MAX MIN	75 52	73 53	72 42	78 43	79 50	78 53	82 56	85 59	88 59	94 68	87 60	83 48	85 62	90 68	92 88	87 62	79 43	86 48	90 69	94 64	94 68	93 68	87 67	90 73	86 60	91 50	96 54	90 56	93 54	97 63		86.5 58.0
FREDERICK WFMD	MAX MIN	73 52	73 55	75 48	80 44	79 54	76 55	81 59	84 59	88 61	92 68	88 62	83 47	90 63	86 71	86 69	86 48	78 61	86 60	92 68	95 67	94 71	92 72	82 68	93 73	87 61	90 54	96 62	88 60	94 55	97 69		86.4 60.5
PARKTON 2 SW	MAX MIN	61 47	71 50	73 45	76 45	74 49	71 51	80 60	79 61	82 60	93 63	75 52	79 50	84 64	91 68	90 67	73 50	76 42	81 50	88 66	92 65	91 68	87 70	74 64	87 67	79 58	86 52	95 57	85 55	89 58	95 64		81.9 57.3
ROCKVILLE	MAX MIN	71 53	69 53	75 57	77 46	76 58	80 56	81 59	81 62	87 61	94 68	94 64	83 58	85 66	88 69	92 65	91 65	77 56	84 55	90 67	95 66	94 69	91 70	88 67	88 68	86 59	87 52	94 62	94 59	91 66		86.0 61.9	
TOWSON	MAX MIN	72 53	70 55	74 49	81 45	77 50	76 55	88 63	81 63	84 62	94 66	93 61	79 50	89 60	90 68	91 67	84 63	77 49	81 52	85 69	92 66	92 70	85 69	85 68	79 62	86 55	95 60	91 56	89 56	95 66		84.9 60.1	
UNIONVILLE	MAX MIN	70 50	71 54	74 42	79 40	76 49	74 53	86 55	80 60	87 58	93 65	76 56	82 45	87 61	90 64	92 66	84 61	77 45	84 48	88 68	93 65	93 66	87 67	85 66	90 68	81 60	88 49	96 53	86 52	92 61	97 61		84.6 56.6
WESTMINSTER 2 N	MAX MIN	68 51	70 52	70 50	75 46	76 51	72 54	81 60	80 58	82 62	91 68	84 57	82 50	84 68	88 71	90 66	75 58	74 46	85 52	88 67	92 65	92 67	87 68	79 65	88 69	82 59	88 55	93 62	86 56	90 60	97 67		83.1 59.3
W-EATON REGIONAL PARK	MAX MIN	73 49	66 54	76 44	79 41	77 54	79 55	81 58	80 63	84 60	94 65	91 62	84 47	85 66	89 66	92 62	92 52	75 62	83 50	88 69	93 67	90 71	87 68	82 67	85 65	81 53	86 53	91 63	89 59	88 54	90 63		84.3 59.1
WOODSTOCK	MAX MIN	71 50	73 54	74 43	78 40	78 50	78 52	82 57	84 62	86 61	93 62	90 61	84 47	87 62	89 66	92 66	83 63	77 48	85 48	89 65	94 66	93 69	90 67	87 68	86 69	83 63	87 52	95 56	87 57	93 53	62		84.7 58.0
APPALACHIAN MOUNTAIN 07																																	
BEOANSBORO	MAX MIN	70 52	72 54	71 51	77 48	76 51	73 59	80 62	84 62	86 64	93 72	86 59	83 55	88 68	89 70	90 69	81 62	76 43	84 54	92 69	93 65	91 66	89 69	86 68	89 72	81 58	88 56	94 60	85 60	92 60	95 67		84.5 60.8
CHEWSVILLE BRIDGEPORT	MAX MIN	72 54	72 53	73 44	80 45	79 50	77 58	83 55	83 61	87 60	93 70	88 58	84 48	89 60	89 68	91 68	75 60	78 47	88 58	92 69	94 65	95 68	92 69	87 68	90 72	86 58	90 52	96 57	88 56	94 55	99 65		86.1 59.0
CUMBERLAND	MAX MIN	70 53	72 47	70 48	76 44	79 50	76 58	81 59	85 61	92 62	92 67	85 49	88 53	88 64	91 67	91 67	81 67	80 43	86 51	91 68	93 65	88 67	89 67	91 71	86 69	82 55	90 52	94 55	88 53	95 54	96 63		85.4 58.4
CUMBERLAND POLICE BRKS	MAX MIN	71 53	70 44	70 40	75 40	77 46	74 50	80 59	84 59	94 60	91 69	86 57	83 46	87 63	88 67	91 67	78 57	83 40	91 46	92 63	94 63	94 63	90 66	88 69	80 51	86 50	93 53	87 47	92 52	94 62		85.1 55.7	
FROSTBURG	MAX MIN	67 51	63 43	64 44	64 44	70 47	74 48	66 54	76 55	79 59	87 65	82 51	77 48	78 61	81 68	80 63	64 51	64 47	74 47	80 48	85 32	86 65	86 68	82 65	85 65	77 51	75 50	83 48	86 48	81 51	87 63		77.1 54.1
HAGERSTOWN	MAX MIN	72 54	71 52	73 50	79 48	78 52	73 59	81 55	84 63	87 63	92 70	89 59	82 51	88 65	87 60	90 68	75 60	79 48	85 32	92 68	94 65	94 68	91 70	87 68	88 71	85 58	96 57	95 61	87 60	93 60	98 67		85.5 60.4
HANCOCK FRUIT LAB</																																	

DAILY TEMPERATURES

MARYLAND AND DELAWARE
JUNE 1964

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 01																																	
MIDDLETOWN 1 WSW	MAX MIN	67 47	69 56	69 48	79 45	79 53	80 49	84 60	83 58	85 58	96 63	94 61	84 49	86 67	94 70	93 68	88 63	78 49	82 52	85 65	94 61	94 71	95 71	86 62	91 69	81 63	87 54	95 59	85 60	91 57	97 66	85.7 59.1	
NEWARK UNIVERSITY FARM	MAX MIN	73 47	71 55	75 48	78 45	76 54	77 47	85 55	83 62	84 57	96 61	92 59	81 52	82 66	94 69	93 67	91 61	77 46	81 52	85 62	94 65	95 71	94 71	89 65	89 69	81 63	88 52	94 61	90 62	91 56	98 66	85.9 58.9	
WILMGTON NCASTLE WB AP	MAX MIN	66 51	69 54	73 49	77 46	75 55	74 53	83 60	80 63	81 62	97 65	79 58	79 56	84 68	93 70	92 71	73 53	77 48	78 57	86 67	94 66	94 71	89 70	81 68	90 71	80 61	87 57	95 63	85 65	88 60	98 67	83.2 60.9	
WILMGTON PORTER RESVR	MAX MIN	65 49	72 55	74 51	75 47	75 52	73 51	81 58	79 62	83 60	93 65	81 58	82 56	83 67	91 69	89 69	72 55	75 50	80 57	83 66	91 67	92 71	84 69	79 66	87 70	85 61	86 56	93 66	88 63	89 58	97 67	82.6 60.4	
SOUTHERN 02																																	
BRIDGEVILLE 1 NW	MAX MIN	67 47	65 56	75 53	81 45	79 56	80 48	84 64	83 53	88 56	97 65	87 63	84 49	90 66	94 69	96 67	78 66	78 48	86 51	91 64	97 70	95 70	93 70	87 66	93 73	83 67	90 54	95 64	87 64	92 55	97 66	86.4 60.2	
DCVER	MAX MIN	70 48	67 57	74 53	79 48	78 52	81 50	85 65	84 57	85 58	97 65	96 61	83 54	86 67	93 67	95 69	88 65	75 52	85 55	89 66	93 69	93 70	93 73	79 69	89 69	82 67	88 57	95 64	91 64	92 60	98 68	86.1 61.4	
GEORGETOWN 5 SW	MAX MIN	65 49	65 56	75 50	80 45	79 57	79 47	85 62	83 53	88 55	97 65	87 64	85 48	89 65	93 69	96 66	92 65	79 41	87 48	91 65	97 71	95 70	93 70	87 66	94 72	81 66	90 52	93 62	84 66	91 53	97 65	86.5 59.4	
LEWES 1 SW	MAX MIN	62 51	60 56	73 56	80 48	69 56	72 49	82 62	78 53	80 58	100 67	85 54	79 51	87 67	94 70	95 66	76 57	77 48	79 53	90 67	96 69	90 71	87 57	77 61	94 69	78 66	82 53	94 52	78 55	86 58	98 67	82.6 58.6	
MILFORD 3 WNW	MAX MIN	65 52	67 55	65 54	61 44	70 49	78 46	85 63	82 54	86 57	96 66	80 62	84 49	86 66	92 65	93 60	90 66	82 55	80 48	90 65	92 67	93 65	94 72	93 68	93 72	92 63	87 53	94 59	93 50	94 56	98 65	85.2 58.9	
SELBYVILLE	MAX MIN	65 49	63 56	69 49	79 45	77 58	75 50	82 60	82 51	87 55	98 65	94 65	84 49	89 65	96 68	97 68	90 68	79 44	83 49	89 68	99 72	95 68	95 70	85 66	95 71	82 67	84 54	93 63	90 68	89 54	95 65	85.8 59.9	

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 04																																	
BELTSVILLE		EVAP	.31	.05	.08	.17	.18	.31	.27	.21	.13	.14	.51	.35	.27	.14	.30	.26	.31	.26	.22	.11	.26	.22	.20	.22	.11	.31	.22	.44	.32	.30	7.18
	WIND	49	20	24	27	0	0	30	49	14	39	44	40	38	15	20	25	42	23	56	26	25	9	41	35	21	27	14	34	38	19	844	
	MAX	78	80	73	80	80	61	79	86	87	90	94	88	86	87	91	96	87	87	85	93	100	101	93	80	89	91	94	96	90	94	87.2	
	MIN	45	54	54	52	55	56	59	65	67	68	66	56	68	66	76	68	53	55	59	70	71	73	71	70	68	64	66	60	64	62.8		
UPPER MARLBORO 3 NNW		EVAP	.18	.07	*	.52	.22	.26	.28	.19	.14	.24	.37	.31	.28	.12	*	.33	.32	.27	.22	.23	.33	.25	.27	.06	.17	.30	.26	.42	.23	.11	6.95
	WIND	17	5	8	29	25	17	39	27	4	18	39	26	14	13	8	38	35	21	36	41	23	8	24	6	22	20	12	39	11	16	641	
	MAX	90	74	71	92	85	81	88	90	90	96	99	92	90	97	95	99	89	88	89	97	100	103	98	84	96	95	93	98	101	83	91.4	
	MIN	53	57	52	50	54	63	64	61	66	69	66	57	62	66	60	69	52	58	60	64	66	70	73	72	68	64	67	65	68	68	62.8	
ALLEGHENY PLATEAU 08																																	
SAVAGE RIVER DAM		EVAP	.20	*	.08	.28	.05	.22	.12	.13	.27	.12	.32	.36	.18	.06	.21	.18	.31	.32	.16	.12	.24	-	.17	.20	.18	.24	.12	.29	.23	.26	5.818
	WIND	33	39	24	57	53	36	36	18	29	38	91	35	40	44	35	71	67	35	31	40	38	34	21	35	54	40	31	56	31	21	1213	
	MAX	55	58	66	68	72	75	74	77	84	90	82	88	85	80	80	88	83	82	82	88	91	90	91	90	80	88	90	89	89	91	81.5	
	MIN	46	47	44	45	46	59	57	58	61	63	56	56	53	65	68	60	46	47	51	66	66	62	71	70	60	56	56	55	55	61	56.9	
DELAWARE																																	
NORTHERN 01																																	
NEWARK UNIVERSITY FARM		EVAP	*	.14	.13	.37	*	.18	.26	.15	.11	.38	.24	.12	.26	.28	.18	.35	.30	.36	.14	.13	.37	.23	.08	.17	.22	.27	.24	.31	.19	.48	6.64
	WIND	19	11	22	34	3	24	37	14	25	41	39	16	21	45	32	46	42	33	21	45	32	27	46	28	34	20	42	30	18	28	895	
	MAX	69	76	82	81	90	89	91	92	94	96	95	95	89	97	96	95	86	92	91	99	102	94	92	91	95	97	97	97	97	101	91.9	
	MIN	53	59	57	53	58	58	61	66	66	67	63	59	67	71	71	68	52	58	67	69	73	71	69	72	67	63	66	65	63	69	64.0	
SOUTHERN 02																																	
GEORGETOWN 5 SW		EVAP	.11	.03	.10	.33	.31	.23	.24	.22	.16	.49	.41	.28	.26	.31	.30	.44	.31	.29	.28	.36	.28	.31	.17	.26	.29	.31	.47	.38	.32	.36	8.61
	WIND	43	33	17	53	50	33	23	20	15	61	92	28	42	55	37	119	59	28	38	51	46	39	62	39	60	28	54	75	32	34	1366	

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	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
BALTIMORE WB AIRPORT, MD.	27	8	7.9	41	W	15	81	77	48	60	7	3	4	2	0	0	16	60	5.6
WASHINGTON WB CITY, D.C.	-	-	-	-	-	-	-	-	-	-	0	4	4	0	0	0	8	-	-
WILMINGTON-N CASTLE WB AP, DEL.	18	9	9.5	28++	23	15	76	70	45	53	11	2	1	1	0	0	15	-	5.6

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE
DELAYED 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	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More	
											90° or Above	32° or Below	32° or Below	0° or Below											
MARYLAND																									
NOVEMBER 1963																									
FREDERICK WFMD	R	58.1	38.2	48.2	4.0	75	18	26	25	496	0	0	7	0	5.95	3.02	1.65	7	.0	0		7	5	3	
DECEMBER 1963																									
FREDERICK WFMD	R	34.6	20.7	27.7	- 6.5	48	7	- 3	31	1149	0	12	31	1	2.22	- .67	.68	23				6	2	0	
DELAWARE																									
FEBRUARY 1964																									
SELBYVILLE		44.4	26.3	35.4		58	5	14	13	854	0	0	24	0	5.87		1.32	16	8.5	3	11	7	6	4	
MARCH 1964																									
MILFORD 3 WNW		58.8	35.1	47.0		78	10	24	12	538	0	0	12	0	3.05		D 2.57	22		4	21				

DAILY PRECIPITATION

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																																
NOVEMBER 1963																																
FREDERICK WFMD	5.95	.16	.26				1.01	1.65	.03													.01	.96						.05	1.02	.80	
DECEMBER 1963																																
FREDERICK WFMD	2.22		T	.10					.56	.37			.37		T				.14				.68									
DELAWARE																																
FEBRUARY 1964																																
SELBYVILLE	5.87	.50					.69				.12	1.02				T	1.32	.05	1.00	.08						.02		T	1.07			
MARCH 1964																																
MILFORD 3 WNW	3.05			.28					.08							.07					*	2.57						.05				

See Reference Notes Following Station Index

DAILY TEMPERATURES

MARYLAND AND DELAWARE
DELAYED DATA

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																																	
NOVEMBER 1963																																	
FREDERICK WFMD	MAX MIN	68 46	59 36	54 36	57 33	57 39	55 48	58 40	56 49	59 46	61 36	61 43	54 39	49 30	48 35	50 38	61 31	73 46	75 43	69 47	54 31	62 42	62 38	61 52	58 37	45 26	42 27	64 31	58 32	51 34	63 36		58.1 38.2
DECEMBER 1963																																	
FREDERICK WFMD	MAX MIN	41 26	38 24	37 31	41 29	37 27	40 24	48 23	43 28	42 28	39 30	36 32	38 29	39 29	35 20	25 16	28 15	30 13	29 18	25 15	24 8	24 13	31 15	27 18	30 22	38 25	45 20	43 19	37 23	33 16	29 10	21 - 3	34.6 20.7
DELAWARE																																	
FEBRUARY 1964																																	
SELBYVILLE	MAX MIN	45 36	47 39	44 23	45 21	58 28	55 27	54 42	54 29	43 25	41 27	37 27	34 21	42 14	43 34	43 24	50 31	43 26	42 22	47 33	40 29	39 25	37 22	35 16	48 20	44 18	54 27	48 24	38 24	37 29		44.4 26.3	
MARCH 1964																																	
MILFORD 3 WNW	MAX MIN	47 26	60 30	55 40	76 41	72 32	57 39	60 38	57 34	76 41	78 62	63 25	47 24	46 27	58 33	60 42	57 35	67 41	65 28	38 26	65 28	48 35	44 33	50 31	63 28	70 47	70 57	65 33	55 35	53 34	42 27		58.8 35.1

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																																	
OCTOBER 1963																																	
SAVAGE RIVER DAM	WIND	68	34	44	114	79	39	28	55	74	34	35	29	45	39	38	46	42	35	32	30	32	36	108	47	38	35	33	52	60	139	91	1611

SNOWFALL AND SNOW ON GROUND

Station		Day of month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MARYLAND																																
DECEMBER 1963																																
FREDERICK WBAP	SNOWFALL SN ON GND																		1.0 1	-	-	-	-	8.5 8	-	-	-	-	-	-	-	-

STATION INDEX

MARYLAND AND DELAWARE
1964

STATION	INDEX NO.	DIVISION	COUNTY	DRAINAGE I	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER		
								TEMP.	PRECIP.	EVAP.	SPECIAL USE NOTES			
MARYLAND														
ANAPOLIS	0191	04	ANNE ARUNDEL	1	38 59	76 30	40	6P	6P				H	ARTHUR M. MILLER
BALTIMORE WB AIRPORT	0468	04	ANNE ARUNDEL	3	39 11	76 40	146	MID	MID				H	U.S. WEATHER BUREAU
BALTIMORE WB CITY	0470	06	BALTO CITY	3	39 17	76 37	14	MID	MID				H	U.S. WEATHER BUREAU
DELTVILLE	0708	04	PRIN. GEORGES	5	39 02	76 53	120	8A	8A				BAC	CHESTER M. GORDON
DELTVILLE PLANT STA 5	0708	04	PRIN. GEORGES	5	39 01	76 57	100	9A	9A					USDA PLANT IND. STA.
BENSON POLICE BARRACKS	0732	06	HARFORD	1	39 30	76 23	365	5P	5P					MD. STATE POLICE
BITTINGER 2 NW	0881	08	GARRETT	7	39 37	79 15	2700	7P	7P				H	ELBERT E. BUCKEL
BLACKWATER REFUGE	0912	02	DORCHESTER	1	38 26	76 08	25	4P	4P					NAT. WILDLIFE REFUGE
BOGNSBORO	0984	07	WASHINGTON	5	39 31	77 39	735	6P	6P					J. HOWARD BECKENBAUGH
BOYDS 2 NW	1032	06	MONTGOMERY	5	39 12	77 20	580	6P	6P					RALPH F. STALEY
BRIGHTON DAM	1125	06	MONTGOMERY	4	39 12	77 01	350	8A						WASH. SUB. SANY. COMM.
BROOKDALE	1170	06	MONTGOMERY	5	38 57	77 06	260	7P					H	B. FRANCIS DASHIELL
CAMBRIDGE 4 W	1385	02	DORCHESTER	1	38 34	76 09	3	6P	6P					D. ARCY MC B. HARDING
CENTREVILLE	1627	05	QUEEN ANNES	1	39 03	76 03	46	6P	6P					MARION G. LEIBY
CHARLOTTE HALL 1 ESE	1684	05	ST. MARYS	4	38 28	76 45	167	5P	5P					GREEN MANOR FARM
CHESTERTOWN	1750	05	KENT	1	39 13	76 04	35	11P	11P				H	T. W. ELIASON, JR.
CHEVSEVILLE BRIDGEPORT	1790	07	WASHINGTON	5	39 38	77 41	560	5S	5S					D. PAUL OSWALD
COLEMAN 3 WNW	1980	05	KENT	1	39 21	76 08	78	6P	6P					W. B. HARRIS
COLLEGE PARK	1995	04	PRIN. GEORGES	5	38 59	76 54	70	5P	5P				C	U.S. GEOL. SURVEY
CORNINGO DAM	2040	04	HARFORD	4	39 39	76 10	40	MID	MID					SUSQUEHANNA ELECTRIC CO.
CRISFIELD SOMERS COVE	2225	01	SOMERSET	1	37 59	75 52	8	5P	5P					SOMERS COVE MARINA
CUMBERLAND	2280	07	ALLEGANY	5	39 39	78 43	945	6P	6P				H	KEITH E. THOMAS
CUMBERLAND POLICE BRKS	2285	07	ALLEGANY	5	39 38	78 50	970	5P	5P					MD. STATE POLICE
DENTON 1 S	2523	03	CAROLINE	1	38 53	75 50	20	6P	6P					EMORY DOBSON
EASTON POLICE BARRACKS	2700	02	TALBOT	1	38 45	76 04	40	5P	5P					MARYLAND STATE POLICE
EDGEWOOD	2770	07	WASHINGTON	5	39 40	77 33	905	8A						LEE G. HARNE
EDGEWOOD ARSENAL	2785	04	HARFORD	1	39 21	76 19	10	MID	MID					INACTIVE 12/1/63
ELKTON	2860	04	Cecil	1	39 36	75 50	28	6P	6P				H	M. W. BOUCHELLE
EMMITTSBURG 2 SE	2906	08	FREDERICK	5	39 41	77 18	420	5P	5P				H	MRS. LUCILLE K. BEALE
FORT GEORGE G MEADE	3230	04	ANNE ARUNDEL	4	39 06	76 43	140	5P	5P					FILTRATION PLANT
FREDERICK WFMD	3350	04	FREDERICK	5	39 25	77 28	435	6P	6P				C	RADIO STATION WFMD
FREDERICK 3 E	3355	04	FREDERICK	5	39 24	77 22	385	8A						MISS L. MARY STALEY
FROSTBURG	3410	07	ALLEGANY	5	39 39	78 56	2035	7A	7A					C. A. SUTER, JR.
GLEN DALE BELL STA	3475	04	PRIN. GEORGES	4	38 58	76 48	151	4P	4P					H. PLANT INTRO. GARDEN
GRANTSVILLE	3765	08	GARRETT	7	39 42	76 09	2380							MRS. FANNIE B. MILLER
HAGERSTOWN	3975	07	WASHINGTON	5	39 39	77 44	660	6P	6P				H	HAGERSTOWN RESERVOIR
HARCOCK FRUIT LAB	4030	07	WASHINGTON	5	39 42	78 11	428	8A	8A				C	U. OF MD. FRUIT LAB.
LA PLATA 1 W	5080	05	CHARLES	5	38 52	77 00	140	5P	5P					C. RUSSELL LEVETTING
LAUREL 3 W	5111	04	PRIN. GEORGES	4	39 06	76 54	400	5P	7A				H	WASH. SUB. SANY. COMM.
LEONARDTOWN 3 NW	5201	05	ST. MARYS	5	38 19	76 40	40	5P	5P					RADIO STATION WKIC
LOCH RAVEN DAM	5340	06	BALTIMORE	1	39 26	76 33	190	5P						CITY OF BALTIMORE
LUKE	5530	07	ALLEGANY	5	39 28	75 51	1220	8A						HOWARD T. HANCOCK
MERRILL	5894	08	GARRETT	7	39 36	79 05	1700	8A						DELWOOD E. MERRILL
MILLINGTON	5985	05	KENT	1	39 16	75 51	30	6P	6P				H	LOUIS H. MOLLETT
NEW GERMANY	6408	08	GARRETT	7	39 38	79 07	2850	5P						ARCHIE BITTINGER
OAKLAND 1 SE	6420	08	GARRETT	7	39 24	79 24	2420	5P	5P				H	LOGAN WEBER
OCEAN CITY WATER PLANT	6670	01	WORCESTER	2	38 20	75 05	17	4P	4P					TOWN OF OCEAN CITY
OWINGS FERRY LANDING	6770	03	CALVERT	4	38 42	76 41	120	7P	7P					THOMAS J. BOURNE
PARKTON 2 SW	6844	06	BALTIMORE	1	39 38	76 42	600	11P	11P				C	JOHN R. FOX
PERRY POINT	6980	06	Cecil	1	39 33	76 04	40							VETERANS ADMINISTRATION
PICARDY	7011	01	ALLEGANY	4	39 33	78 30	1030	6P	6P				H	POTOMAC HIGHL. ORCHARD
POTOMACK CITY 1 S	7140	01	WORCESTER	1	38 03	75 34	20	5P	5P				H	RADIO STATION WMV
POTOMACK FILTER PLANT	7272	06	MONTGOMERY	5	39 02	77 15	270	8A	8A					WASH. - SANITARY COMM.
CRESTON 1 S	7318	02	GARRETT	7	38 42	75 45	11	6P	6P					FRANKLIN D. NUSBAUM
PRINCE FREDERICK	7329	03	CALVERT	1	38 32	76 55	140	5P	5P					BOYD KING
PRINCESS ANNE	7330	01	SOMERSET	1	38 12	75 41	15	5P	5P					TOWN OF PRINCESS ANNE
ROCK HALL	7700	05	KENT	1	39 08	74 14	30	5P	5P					MRS. DELIA D. GLENN
ROCKVILLE	7705	06	MONTGOMERY	5	39 05	77 09	430	4P	4P					COUNTY POLICE
ROCKY OAK	7806	02	TALBOT	1	38 43	76 11	10	5P	5P				H	J. L. SWAINE, JR.
SALISBURY	8000	01	WICOMICO	1	38 22	75 35	10	5P	5P					CITY OF SALISBURY
SHALISBURY FAA AIRPORT	8005	01	WICOMICO	1	38 20	75 30	32	MID	MID				H	FED. AVIATION AGENCY
SHARP RIVER DAM	8065	08	GARRETT	7	39 31	79 08	1495	8A	8A				BAC	U.S. CORPS OF ENGINEERS
SHALLJAH	8131	08	GARRETT	7	39 32	79 03	1700	5P	5P					CLARENCE B. KIBBLE
SINES DEEP CREEK	8315	08	GARRETT	7	39 32	79 25	2040	7A	7A					PA. ELECTRIC CO.
SINES DEEP CREEK 2	8320	08	GARRETT	7	39 32	79 25	2040	7A	7A					MRS. THELMA RAE
SNOW HILL	8380	01	WORCESTER	1	38 11	75 24	14	6P	6P					RICHARD L. HALL
SOLONOM	8405	03	CALVERT	1	38 19	76 27	12	6P	6P					CHESAPEAKE BIOL. LAB.
SUTLAND	8656	04	PRIN. GEORGES	5	38 51	76 56	280	9A	9A					RALPH H. FREDERICK
TOWSON	8877	06	BALTIMORE	5	39 24	77 37	410	4P	4P				C	BALTIMORE COUNTY JAIL
UNIONVILLE	9030	06	PENNS.	5	39 27	77 11	430	6P	6P					G. P. VON EIFF, JR.
UPPER MARLBORO 3 WNW	9070	04	PRIN. GEORGES	4	38 52	76 47	98	8A	8A					TOBACCO EXP. FARM
VIENNA	9140	02	DORCHESTER	1	38 29	75 50	12	6P	6P					ENR. SHORE PUB. SVC.CO.
WALDORF POLICE BRKS	9195	03	CHARLES	5	38 39	76 53	201	5P	5P					MD. STATE POLICE
WESTMARTIN	9240	07	ALLEGANY	5	39 39	78 03	1000	5P	5P					NORRIS BRUCE
WESTMINSTER 2 N	9435	06	CARROLL	1	39 37	77 00	760	7A	7A					M. L. EUGENE PURDIE
WHEATON REGIONAL PARK	9502	05	MONTGOMERY	5	39 04	77 02	330	5P	5P					PARK + PLANNING COMM.
WOODSTOCK	9750	08	BALTIMORE	5	39 20	76 52	415	6P	6P					HAGERSTOWN CO. PLANT
WOODSTOCK COLLEGE														
DISTRICT OF COLUMBIA														
DALECARILIA RESVR D C	2325	04	NATIONAL ARBORSTOWN	4	38 54	76 58	10	4P	4P					CORPS OF ENGINEERS
NATIONAL ARBORSTOWN	6350	04	NATIONAL ARBORSTOWN	4	38 54	76 58	10	4P	4P					J. G. NAIT. ARBORSTOWN
U. S. SOLDIERS HOME DC	9035	04	U. S. SOLDIERS HOME DC	4	38 56	77 01	230	MID	MID					U.S. SOLDIERS HOME
WASHINGTON W CITY D C	9290	04	WASHINGTON W CITY D C	4	38 54	77 03	72	MID	MID				C	U.S. WEATHER BUREAU
DELAWARE														
BRIDGEVILLE 1 NW	1330	02	SUSSEX	1	38 45	75 37	50	5P	5P				H	WILLIAM RAY
DOVER	2730	02	KENT	2	39 09	75 31	25	4P	4P					STATE HIGHWAY DEPT.
DORCHESTER 5 SW	3570	02	SUSSEX	1	38 38	75 28	45	5P	5P				SPC	UNI. AGRIC. EXP. ST.
LEWES 1 SW	5320	02	SUSSEX	1	38 46	75 09	20	6P	MID					FREDERICK O. VOGL
MIDDELTON 1 WSW	5852	05	NEW CASTLE	2	39 02	75 45	58	5P	5P					PAUL L. ROGERS
MILFORD 3 WNW	5915	02	SUSSEX	2	38 56	75 29	52	5P	5P					RADIO STATION WKSB
NEPAWK UNIVERSITY FARM	6410	01	NEW CASTLE	2	39 40	75 44	90	6P	6P					UNIV. OF DELAWARE
SELYVILLE	6750	13	NEW CASTLE	2	39 13	75 39	58	5P	5P					L. MERLIE LONG
WILMINGTON NCATTLE SW	9595	01	NEW CASTLE	2	39 40	75 36	78	MID	MID				C	U.S. WEATHER BUREAU
WILMINGTON PORT RESVR	9605	01	NEW CASTLE	2	39 46	75 32	274	MID	MID					WATER DEPARTMENT

1. CHESAPEAKE 2. COASTAL 3. PATAPSCO 4. PATUXENT 5. POTOMAC 6. SUSQUEHANNA 7. YOUGHIOGENY

CORRECTIONS

MARYLAND

May & June 1983	All tables	Sines Deep Creek	Station name Sines Deep Creek 2.
January 1984	Climatological Data Table	Unionville	Average minimum temperature 18.4; average temperature 29.8; lowest temperature -17, date 15th; total degree days 1086.
January 1984	Daily Temperature Table	Unionville	Minimum temperature -17 on 15th, average minimum 18.4.
January 1984	Temperature and Precipitation Extremes Table	Lowest temperature	-17° on 15th at Unionville.
April 1984	Climatological Data Table	Beltsville	Average minimum 38.7; average temperature 50.2.
April 1984	Daily Temperature Table	Beltsville	Minimum temperature on 5th 21, 6th 36, 10th 26, 11th 36, and 12th 36, average minimum 36.7.
April 1984	Climatological Data Table	Boyd's 2 NW	Average minimum temperature 40.7M; average temperature 51.1M.
April 1984	Daily Temperature Table	Boyd's 2 NW	Minimum temperature on 14th 58, average minimum 40.7.
April 1984	Climatological Data Table	College Park	Average minimum temperature 41.4, average 53.0; departure from normal -1.8.
April 1984	Daily Temperature Table	College Park	Minimum temperature on 18th 48, average minimum 41.4.
April 1984	Daily Temperature Table	Emmitsburg 2 SE	Maximum temperature on 28th 65, 29th 63, 30th missing; minimum 28th 52, 28th 45, 30th missing.
April 1984	Climatological Data Table	Towson	Average maximum temperature 61.6; average 51.1.
April 1984	Daily Temperature Table	Towson	Maximum temperature on 4th 67, average maximum 61.6.
April 1984	Climatological Data Table	Upper Marlboro 3 NNW	Average maximum temperature 63.1, average temperature 52.1.
April 1984	Daily Temperature Table	Upper Marlboro 3 NNW	Maximum temperature on 6th 51, average maximum 63.1.

DELAWARE

April 1984	Climatological Data Table	Middletown 1 WSW	Average maximum temperature 61.1, average temperature 50.5.
April 1984	Climatological Data Table	Division 01	Average temperature 49.9; departure from normal -2.4.
April 1984	Daily Temperature Table	Middletown 1 WSW	Maximum temperature on 4th 58; average maximum 61.1.
April 1984	Climatological Data Table	Lewes 1 SW	Average maximum temperature 59.0; average temperature 49.9.
April 1984	Daily Temperature Table	Lewes 1 SW	Maximum temperature on 4th 45; average maximum 59.0.

REFERENCE NOTES

Additional information regarding the climate of Maryland and Delaware may be obtained by writing to the State Climatologist, Weather Bureau Airport Station, Friendship International Airport, Baltimore, Maryland 21240, or to any Weather Bureau Office near you.

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.

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 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 "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.

