

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
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CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

DECEMBER 1961

Volume 65 No. 12



ASHEVILLE: 1962

MARYLAND AND DELAWARE - DECEMBER 1961
TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 66° on the 5th at Princess Anne, Md.

Lowest Temperature: -4° on the 31st at Unionville, Md.

Greatest Total Precipitation: 6.13 inches at Crisfield Hammock Pt.,
Md.

Least Total Precipitation: 2.50 inches at Hancock Fruit Lab, Md.

Greatest One-Day Precipitation: 2.13 inches on the 12th at Cumberland
Police Brks, Md.

Greatest Reported Total Snowfall: 17.9 inches at Bittinger 2 NW, Md.

Greatest Reported Depth of Snow on Ground: 10 inches on the 31+ at
Edgemont, Md.

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE
DECEMBER 1961

CONTINUED

Station	Temperature										Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	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	80° or Above	70° or Above	60° or Above										
APPALACHIAN MOUNTAIN																							
BOONSBORO	41.5	25.2	33.4		58	5	10	30+	974	0	2	26	0	3.20		.72	18	15.6	9	29+	8	2	0
CHEWSVILLE BRIDGEPORT	39.9	24.3	32.1	- 1.5	60	5	2	29	1012	0	0	26	0	2.83	.14	.70	18	12.8	7	28	7	2	0
CUMBERLAND	40.3	26.4	33.4		59	5	9	30	974	0	7	23	0	2.92		.74	12	7.3	3	25+	7	1	0
CUMBERLAND POLICE BRKS	40.3	23.5	31.9		60	5	9	30	900	0	6	27	0	5.05		2.13	12	6.0	3	9	6	2	0
FROSTBURG	39.5	24.1	31.8	- .1	58	5+	7	29	1021	0	7	25	0	2.95	.14	.72	12	10.0	3	9	8	2	0
HAGERSTOWN																							
HANCOCK FRUIT LAB	41.4	23.4	32.4		63	5	4	30	1004	0	4	26	0	2.50	-.07	.64	12	6.5	3	24	5	2	0
PICARDY	41.0	21.9	31.5		59	2	6	30	1031	0	6	27	0	3.39		.89	12	10.5	3	25	5	2	0
WESTERNPORT	42.5	26.8	34.7	- .2	61	5	13	29	933	0	5	24	0	2.97	.38	.98	12	6.3			7	2	0
DIVISION																							
			32.3	- 1.6										3.15	.48			9.4					
ALLEGHENY PLATEAU																							
BITTINGER 2 NW	37.1	20.0	28.6		57	5	1	29	1123	0	14	25	0	4.18		.90	17	17.9	7	31+	11	3	0
OAKLAND 1 SE	40.4	20.7	30.6	.3	58	5	1	31	1058	0	11	26	0	4.06	.44	.82	18	14.9	6	25	10	4	0
SAVAGE RIVER DAM	37.7	21.2	29.5		61	5	7	29	1095	0	11	28	0	3.13		.78	12				9	2	0
SINES DEEP CREEK	39.3	20.9	30.1	.9	61	5	5	31	1074	0	11	27	0	3.64	-.02	.66	10	14.0	7	30	11	2	0
DIVISION																							
			29.7	.3										3.75	.29			15.6					
DELAWARE																							
NORTHERN																							
NEWARK UNIVERSITY FARM	41.1	25.8	33.5		57	5	9	31	972	0	3	26	0	2.88		.81	18	4.0	4	24	5	3	0
WILMGTN NCASTLE WB AP	41.2	25.2	33.2	- 1.9	58	5	13	31+	976	0	3	26	0	3.03	.04	.79	18	6.4	3	24	8	2	0
WILMINGTON PORTER RESVR	40.0	26.4	33.2		56	5	13	16	979	0	3	23	0	3.10	.01	.79	18	4.0	3	24+	8	3	0
DIVISION																							
			33.3	- 2.4										3.00	-.06			4.8					
SOUTHERN																							
BRIDGEVILLE 1 NW	44.3	27.8	36.1	- 1.7	61	5	14	31	892	0	3	25	0	4.68	1.75	1.17	12	1.5	1	24	7	4	1
DOVER	44.3	28.6	36.5	- 1.4	60	5	15	16	877	0	1	22	0	3.58	.46	.89	12	T	T	25+	7	4	0
GEORGETOWN 5 SW	45.5	27.6	36.6		61	5	12	31	877	0	1	24	0	4.00		1.17	12	.5	1	24	6	3	2
LEWES 1 SW	45.7	29.4	37.6		64	5	17	31	843	0	2	22	0	4.31		1.21	12	.1	T	24+	8	4	1
MILFORD 3 WNW	44.4	25.8	35.1		62	5	15	16	919	0	2	27	0	4.04		.90	17	.0	0		6	5	0
SELBYVILLE	47.0	29.1	38.1		65	5	15	31	826	0	1	23	0	4.56		1.06	18	T	T	24	5	5	1
DIVISION																							
			36.7	- 1.4										4.20	1.09			.4					

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 a EST	7:00 a EST	1:00 p EST	7:00 p EST	Trace	01-09	10-49	50-99	100-199	2.00 and over			Total
ANNAPOLIS USN ACADEMY, MD.	-	-	-	-	-	-	-	-	-	-	3	0	6	4	0	0	13	-	-
BALTIMORE WB AIRPORT, MD.	WNW	17	9.6	50	NW	5	71	74	55	66	6	0	7	3	0	0	16	56	6.1
FREDERICK WB AIRPORT, MD.	-	-	-	-	-	-	-	-	-	-	1	2	8	2	0	0	13	-	-
WASHINGTON WB CITY, D. C.	ST	15†	7.7†	40†	NW†	5†	68†	71†	58†	62†	7†	0	7	2	0	0	16†	50†	6.5†
WILMINGTON NCASTLE WB AP, DEL.	WNW	19	10.8	35++	WNW	5	78	80	60	72	4	3	6	2	0	0	15	-	6.4

† Airport Data

DAILY PRECIPITATION

MARYLAND AND DELAWARE
DECEMBER 1961

Table with columns: Station, Total, Day of Month (1-31). Rows include Maryland stations (ANNAPOLIS, BALTIMORE, BELTSVILLE, etc.) and Delaware stations (BRIDGEVILLE, DOVER, GEORGETOWN, etc.).

See reference notes following Station Index.

Continued

DAILY TEMPERATURES

MARYLAND AND DELAWARE
DECEMBER 1961

Table with columns: Station, Day Of Month (1-31), and Average. Rows include stations like MILLINGTON, NATIONAL ARBORETUM D C, OAKLAND 1 SE, etc., with temperature data for each day.

See Reference Notes Following Station Index

DAILY TEMPERATURES

MARYLAND AND DELAWARE
DECEMBER 1961

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	
MILFORD 3 WNW	MAX	52	56	58	55	62	50	49	45	37	40	47	50	48	37	36	33	39	42	44	47	45	37	45	38	38	40	54	48	32	32	40	44.4
	MIN	26	25	27	25	31	30	26	28	20	29	29	36	26	16	18	15	26	39	38	38	31	22	23	26	22	20	27	31	19	16	16	25.8
NEWARK UNIVERSITY FARM	MAX	51	55	55	51	57	47	46	42	36	34	46	46	46	34	34	29	34	41	40	46	41	36	36	33	34	38	47	44	30	27	38	41.1
	MIN	28	28	31	26	45	28	24	24	22	28	30	37	31	17	26	11	25	33	38	34	32	27	18	29	22	22	17	31	14	12	9	25.8
SELBYVILLE	MAX	55	58	55	58	65	51	52	45	39	45	47	56	52	39	38	37	47	54	49	50	43	38	46	47	36	44	57	46	32	34	43	47.0
	MIN	28	30	30	26	48	31	25	29	19	30	35	41	35	19	29	16	30	41	39	41	30	23	20	31	28	33	32	32	21	16	15	29.1
WILMGTN NCASTLE WB AP	MAX	51	55	55	53	58	47	48	37	35	36	47	47	45	36	35	29	36	41	42	47	40	37	37	34	34	36	48	39	26	29	38	41.2
	MIN	30	30	34	30	32	26	26	23	22	31	31	39	21	18	18	13	29	35	39	34	25	23	21	25	21	21	20	22	15	15	13	25.2
WILMINGTON PORTER RESVR	MAX	50	52	53	50	56	45	46	37	34	35	46	46	45	35	34	29	33	39	40	45	38	35	35	33	34	36	46	40	29	27	36	40.0
	MIN	32	34	36	29	34	30	31	25	23	30	34	37	25	20	17	13	27	33	36	33	27	24	23	24	22	22	25	25	16	15	16	26.4

See Reference Notes Following Station Index

SNOWFALL AND SNOW ON GROUND

MARYLAND AND DELAWARE
DECEMBER 1961

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																																
ANNAPOLIS USN ACADEMY									1.2														.7	.5					T			
BALTIMORE WB AIRPORT								.3		T						T	T						1.3	4.6					1.0	T	T	T
BITTINGER 2 NW							1.4	2.1				.2								1.6	1.6		.2	1.8	1.5	1.0	3.6	1.5	1.2	.2		
BROOKDALE								.8	.3								T						.5	1.0	T			.5				
CAMBRIDGE 4 W								.5		T							T							T				T				
CHESTERTOWN								.5					T			T	T						T	1.5				.5				
COLLEGE PARK								1.0		T													T	1.0	T			1.0	T	T		
CONOWINGO DAM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CUMBERLAND												3.0		T			.3					T	T	2.4	.6			.5	.5			
EMMITSBURG 2 SE								.5	1.0							2.0							4.0	5.0			1.0					
FORT GEORGE G MEADE								.5	T														.5	T	.5			.5				
FREDERICK WB AIRPORT								2.5								1.2							2.6	1.3			.5	1.3				
FROSTBURG								T	3.0	1.0						T		1.0		.5	.5			2.0	.5			1.5				
GLENN DALE BELL STA								1.0	T									T					.5	1.5	.5			2.0				
HAGERSTOWN								1.0	T							1.0	T						2.5	2.0			3.0					
HANCOCK FRUIT LAB												2.0				1.0								2.8				.7				
LA PLATA 1 W								.2	T	T							T							T	T			.8				
LEONARDTOWN 3 NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MILLINGTON																								1.0				T	T	T	T	
OAKLAND 1 SE								1.5		T										.5	.8		.3	3.0	4.0		.5	4.0		.3		
OWINGS FERRY LANDING									T															T				.5				
PARKTON 2 SW								1.0		T						.2	.2						4.5	3.5			1.0					
POCOMOKE CITY 1 S																								T								
PRESTON 1 S								1.0		T															2.0							
PRINCESS ANNE																																
ROYAL OAK								.6	T									T							T	T						
SALISBURY FAA AIRPORT									T																							
SAVAGE RIVER DAM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SNOW HILL									T																							
UNIONVILLE								.5																4.3	4.0			1.3				
WESTMINSTER																		T	T					4.0	2.0			1.0	1.0			
WOODSTOCK								.5	.2								.1						2.6	1.8			.8					
DELAWARE																																
BRIDGEVILLE 1 NW								.5																1.0								
DOVER										T				T				T	T					T	T			T				
GEORGETOWN 5 SW																								.5								
NEWARK UNIVERSITY FARM																								4.0	T			T	T	T		

See reference notes following Station Index.
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SNOWFALL AND SNOW ON GROUND

MARYLAND AND DELAWARE
DECEMBER 1961

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
WILMINGTON NCASTLE WB AP	SNOWFALL SN ON GND WTR EQUIV								1.1	T	T		T			.3	T							4.6	.4	.2	.2	1	T	T	T	T
WILMINGTON PORTER RESVR	SNOWFALL SN ON GND								1.0	1						T	T							3.0	T	2	1	1	T	T	T	T

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE
DELAYED DATA

Station	Temperature											Precipitation																													
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days																				
										Max.	Min.	90° or Above	32° or Above					32° or Below	0° or Below	Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More																
MARYLAND																																									
JANUARY 1961																																									
EASTON POLICE BARRACKS	39.0	21.4	30.2	- 6.8	55	14+	1	29	1073	0	10	27	0	3.18	- .49	1.50	1	8.0	5	30+	7	3	1																		
FEBRUARY 1961																																									
EASTON POLICE BARRACKS	48.1	30.0	39.1	2.1	73	19	0	2	721	0	3	14	1	06.20	3.31	1.30	8	5.0	6	4	11	4	2																		
MARCH 1961																																									
EASTON POLICE BARRACKS	57.8	35.9	46.9	2.2	79	28+	22	18	555	0	0	11	0	4.38	.45	.92	8	.0	0		9	4	0																		
APRIL 1961																																									
EASTON POLICE BARRACKS	61.7	42.3	52.0	- 2.0	87	25	32	21	405	0	0	1	0	3.73	.14	1.43	13	.0	0		6	3	1																		
MAY 1961																																									
EASTON POLICE BARRACKS	72.3	52.2	62.3	- 2.2	84	8	40	4	130	0	0	0	0	5.52	1.49	1.50	8	.0	0		10	4	1																		
JUNE 1961																																									
EASTON POLICE BARRACKS	82.9	61.6	72.3	- .7	93	2	51	16	3	3	0	0	0	4.62	1.14	1.10	3	.0	0		9	4	1																		
JULY 1961																																									
DENTON	88.9M	67.7M	78.3M		98	23	60	8+	0	15	0	0	0	4.45		1.75	31	.0	0		7	3	1																		
EASTON POLICE BARRACKS	87.3	67.7	77.5	.3	96	23	56	10	0	9	0	0	0	4.23	- .10	1.25	31	.0	0		6	3	1																		
AUGUST 1961																																									
DENTON	86.7M	65.9M	76.3M		94	9	50	19	0	11	0	0	0	2.55		1.07	20	.0	0		5	2	1																		
EASTON POLICE BARRACKS	86.3	66.4	76.4	1.0	92	9	52	19	0	6	0	0	0	3.60	- 1.37	1.25	21	.0	0		4	3	1																		
SEPTEMBER 1961																																									
DENTON	85.3	62.4M	73.9M		97	3	37	30	30	13	0	0	0	.99		.47	3	.0	0		4	0	0																		
OCTOBER 1961																																									
DENTON	72.1	46.9	59.5		83	10+	29	28	171	0	0	2	0	4.48		2.04	21	.0	0		6	3	2																		
EDGEWOOD ARSENAL	67.9	44.5	56.2		81	9	31	28	270	0	0	1	0	2.38		1.48	21	.0	0		4	2	1																		

See reference notes following Station Index.

DAILY PRECIPITATION

MARYLAND AND DELAWARE
DELAYED DATA

Station	Day of month																															Total		
	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																																		
JANUARY 1961																																		
EASTON POLICE BARRACKS	1.50														.86	.12			.10	.50			T				.10	.20						3.18
FEBRUARY 1961																																		
EASTON POLICE BARRACKS			D.20	.70					1.30			.18						.45	.87		.41	.08	1.29			.15	.22		.35				66.20	
MARCH 1961																																		
EASTON POLICE BARRACKS		.10		.02	T		.05	.92	.20					.85	.32			.75			.67	.48								.03		.19	4.38	
APRIL 1961																																		
EASTON POLICE BARRACKS	.90								T	.69		.08	1.43		.28		.02												.16	.17			3.73	
MAY 1961																																		
EASTON POLICE BARRACKS	.04	.45				.24	.08	1.50		.02	.64	.21	.43	.15					T								.89	.55			.34	5.52		
JUNE 1961																																		
EASTON POLICE BARRACKS	.33		1.10	T		.03			.05	.34	.01			.52							.75	.30	.40	.54		.02	.23					4.62		
JULY 1961																																		
DENTON			.04		.02	.34		.02						.43				.06					.16	.07	.34			.60	.02	.60	1.75	4.45		
EASTON POLICE BARRACKS					T	.38								.48	.41	.73	.07	.03	.02								.86				1.25	4.23		
AUGUST 1961																																		
DENTON										.16											1.07	.98		.02	.11	.20	.01					2.55		
EASTON POLICE BARRACKS																	T			.46	1.25		.08	.02	.80	.89						3.60		
SEPTEMBER 1961																																		
DENTON			.47											.12	.26				T	T	.14											.99		
OCTOBER 1961																																		
DENTON		.35	1.27	.16										.13								2.04	.53									4.48		
EDGEWOOD	.10	.10												.63							.05	1.48									.02	2.38		

DAILY TEMPERATURES

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																																		
JANUARY 1961																																		
EASTON POLICE BARRACKS	MAX MIN	52 32	44 26	41 27	36 23	40 20	55 30	52 34	47 37	37 26	38 18	48 26	50 27	53 23	55 30	50 37	37 31	49 30	50 37	40 30	32 18	26 12	24 9	32 17	35 11	23 9	20 7	24 6	25 3	31 1	28 8	36 17	39.0 21.4	
FEBRUARY 1961																																		
EASTON POLICE BARRACKS	MAX MIN	31 20	20 0	32 2	35 27	37 22	39 13	38 20	36 30	42 26	44 34	42 27	34 26	40 25	53 33	52 35	47 36	52 24	59 44	73 55	65 35	43 34	42 36	59 41	68 40	67 52	67 35	67 32	63 37				48.1 30.0	
MARCH 1961																																		
EASTON POLICE BARRACKS	MAX MIN	41 30	55 35	65 40	71 28	75 49	79 36	74 43	67 40	46 37	42 30	51 24	68 30	67 42	60 43	58 38	43 24	41 22	43 33	52 34	51 31	43 34	45 37	50 37	55 41	60 40	60 52	72 32	79 49	74 49	62 45	53 31	57.8 35.9	
APRIL 1961																																		
EASTON POLICE BARRACKS	MAX MIN	52 37	51 39	52 34	52 33	60 38	59 43	57 41	53 37	53 35	50 43	56 42	54 35	46 37	62 41	69 42	70 54	62 37	59 40	58 39	58 37	63 32	75 52	75 63	81 53	87 61	83 63	69 42	64 40	60 38	62 41		61.7 42.3	
MAY 1961																																		
EASTON POLICE BARRACKS	MAX MIN	62 48	62 48	66 47	65 40	68 41	68 50	71 49	84 61	82 65	80 60	76 58	77 58	76 57	78 61	80 59	80 66	75 52	69 47	65 51	69 50	70 53	69 47	70 47	73 51	82 54	80 60	60 42	74 49	74 54	70 47	75 45	72.3 52.2	
JUNE 1961																																		
EASTON POLICE BARRACKS	MAX MIN	84 60	93 71	88 64	78 55	81 54	84 62	88 64	87 64	85 71	85 69	87 64	90 68	91 71	89 72	85 55	73 51	77 53	80 57	81 59	85 60	83 64	81 61	84 61	75 59	79 59	78 59	70 60	77 56	80 57	89 65		82.9 61.6	
JULY 1961																																		
DENTON	MAX MIN	90 87	94 71	90 68	82 60	78 63	75 64	82 60	82 60					89 68	89 66	91 70				90 68	90 66	90 74	96 74	96 74	98 74	90 72	94 70	92 71	90 73	89 71	89 70	90 71	88.9 87.7	
EASTON POLICE BARRACKS	MAX MIN	88 69	91 72	82 69	80 62	79 64	78 66	80 60	83 62	81 59	81 56	85 60	83 61	88 68	88 72	89 71	89 70	89 68	87 67	89 75	89 70	94 73	94 71	96 71	94 76	92 73	90 70	89 66	89 69	89 70	91 71	90 71	87.3 87.7	
AUGUST 1961																																		
DENTON	MAX MIN	85 71	81 61	87 69	84 68	82 64	87 66	88 68	91 68	94 68	90 68	90 74	90 74	87 53	89 59	91 60				85 54	84 50	79 62	78 62	77 62	85 67	82 70	88 78	84 71	90 73	93 71	93 71	92 71	86.7 65.9	
EASTON POLICE BARRACKS	MAX MIN	86 71	83 62	88 70	84 69	84 65	88 67	88 69	89 66	92 71	90 69	88 73	87 75	87 65	89 55	88 57	91 64	89 65	88 57	91 65	89 52	79 64	77 63	77 65	81 65	81 70	87 66	85 72	84 73	88 72	90 63	89 63	86 64	86.3 66.4
SEPTEMBER 1961																																		
DENTON	MAX MIN	93 68	96 74	97 70	93 67	94 72	91 72	86 67	87 64	88 64	91 68	93 70	95 70	92 70	86 70	79 62	74 47	73 48	68 52	71 62	72 66	86 68	91 65	93 64	90 64	88 65	82 64	74 53	83 53	75 41	77 37		85.3 62.4	
OCTOBER 1961																																		
DENTON	MAX MIN	82 41	72 56	67 46	67 46	69 43	80 46	83 51	82 55	81 50	83 47	81 53	81 47	76 50	80 57	74 42	58 42	62 35	72 50	79 47	78 50	74 51	68 46	55 38	55 32	62 39	75 52	65 38	61 29	64 43	73 51	78 51	80 55	72.1 46.9
EDGEWOOD	MAX MIN	75 47	69 56	63 50	59 37	65 36	78 40	78 45	75 52	81 53	80 51	79 49	72 52	74 50	66 46	54 44	58 38	66 36	69 40	72 44	73 50	59 44	64 50	59 52	64 50	56 40	66 40	62 49	58 34	57 31	64 37	76 44	77 54	67.9 44.5

See reference notes following Station Index.

CORRECTIONS

MARYLAND AND DELAWARE

MONTH: NOVEMBER 1960

MARYLAND

Daily Precipitation Table:
Frederick WB Airport

Amount on the 6th should be, 0; 7th,
.05.

MONTH: MAY 1961

Climatological Data Table:
Washington WB City, D. C.

Correct as follows: total precipitation
should be 2.89, departure from long-term
mean, -1.02; days with .10 or more, 8.
Upper Southern Division average should
be, 3.10, departure from long-term mean
average, -1.18.

Daily Precipitation Table:
Washington WB City, D. C.

Amount on the 6th should be, .31;
monthly total, 2.89.

MONTH: JUNE 1961

Climatological Data Table:
Delayed Data

Data published in delayed data, page 81,
under name of Clarke, should be Edgewood
Arsenal.

Daily Precipitation Table:
Williamsport

Amount on 6th should be, .08; monthly
total, 3.66.

Evaporation and Wind Table:
Upper Marlboro 3 NNW

Total evaporation for month should be,
6.17.

MONTH: JULY 1961

Climatological Data Table:
Easton Airport

Correct as follows: total precipitation,
2.18, departure from long-term average,
- 2.15; greatest day, .80 on the 31st;
days with .10 or more, 7; .50 or more,
1. Southern Eastern Shore Division Aver-
age, 3.10; departure from long-term aver-
age, - 1.47.

Daily Precipitation Table:
Easton Airport

Correct as follows: 29th, .20; 31st,
.80; monthly total, 2.18.

DELAWARE

MONTH: MAY 1961

Climatological Data Table:
Georgetown 5 SW

Correct as follows: average maximum
temperature, 72.3M; average minimum
temperature, 49.3M.

Daily Temperature Table:
Georgetown 5 SW

Correct temperatures as follows: 2nd,
maximum 61; minimum 48; average maximum,
72.3M; average minimum, 49.3M .

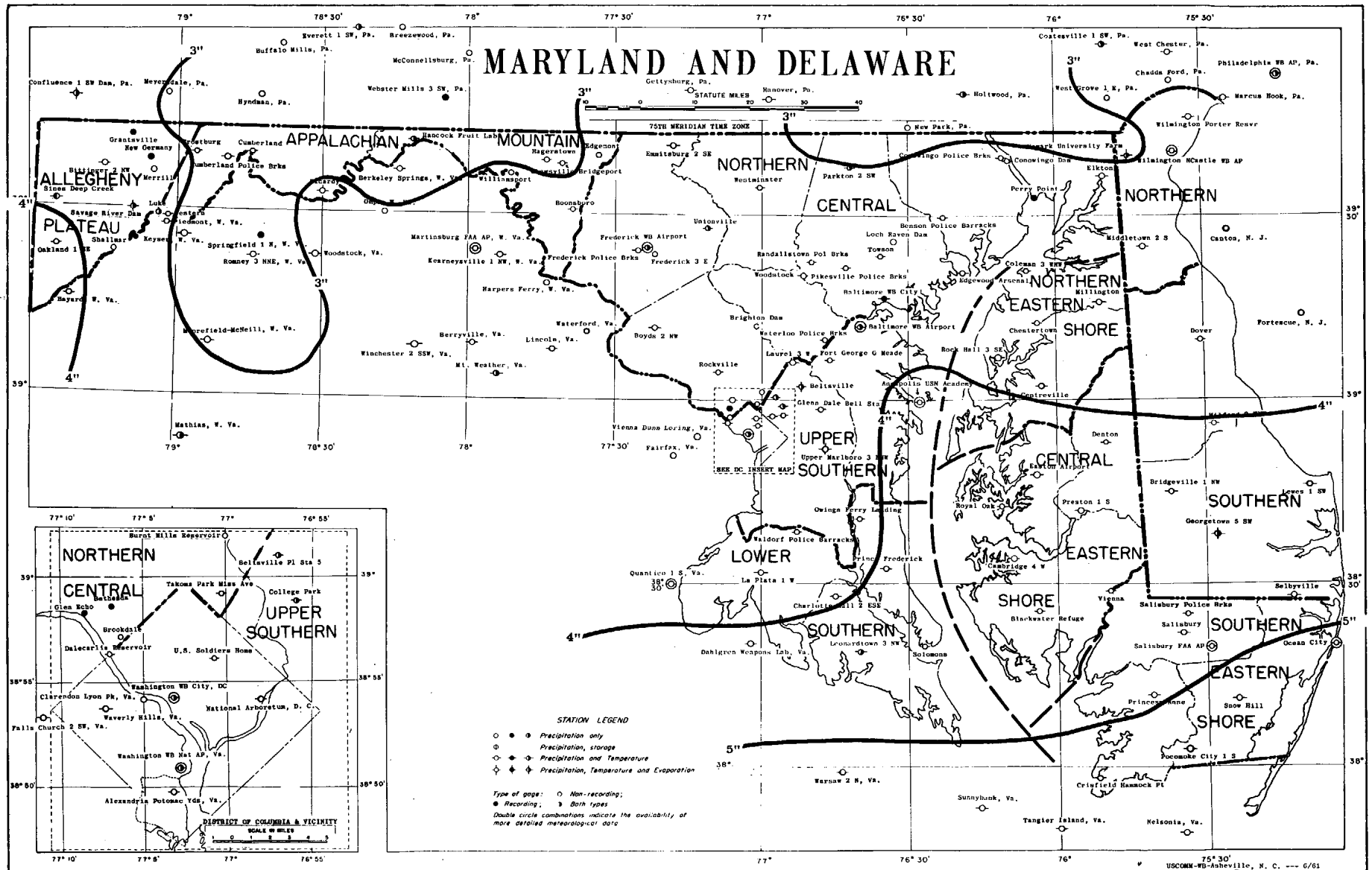
MONTH: JUNE 1961

Evaporation and Wind Table:
Georgetown 5 SW

Total evaporation for month should be,
5.96.

Newark Univ Farm

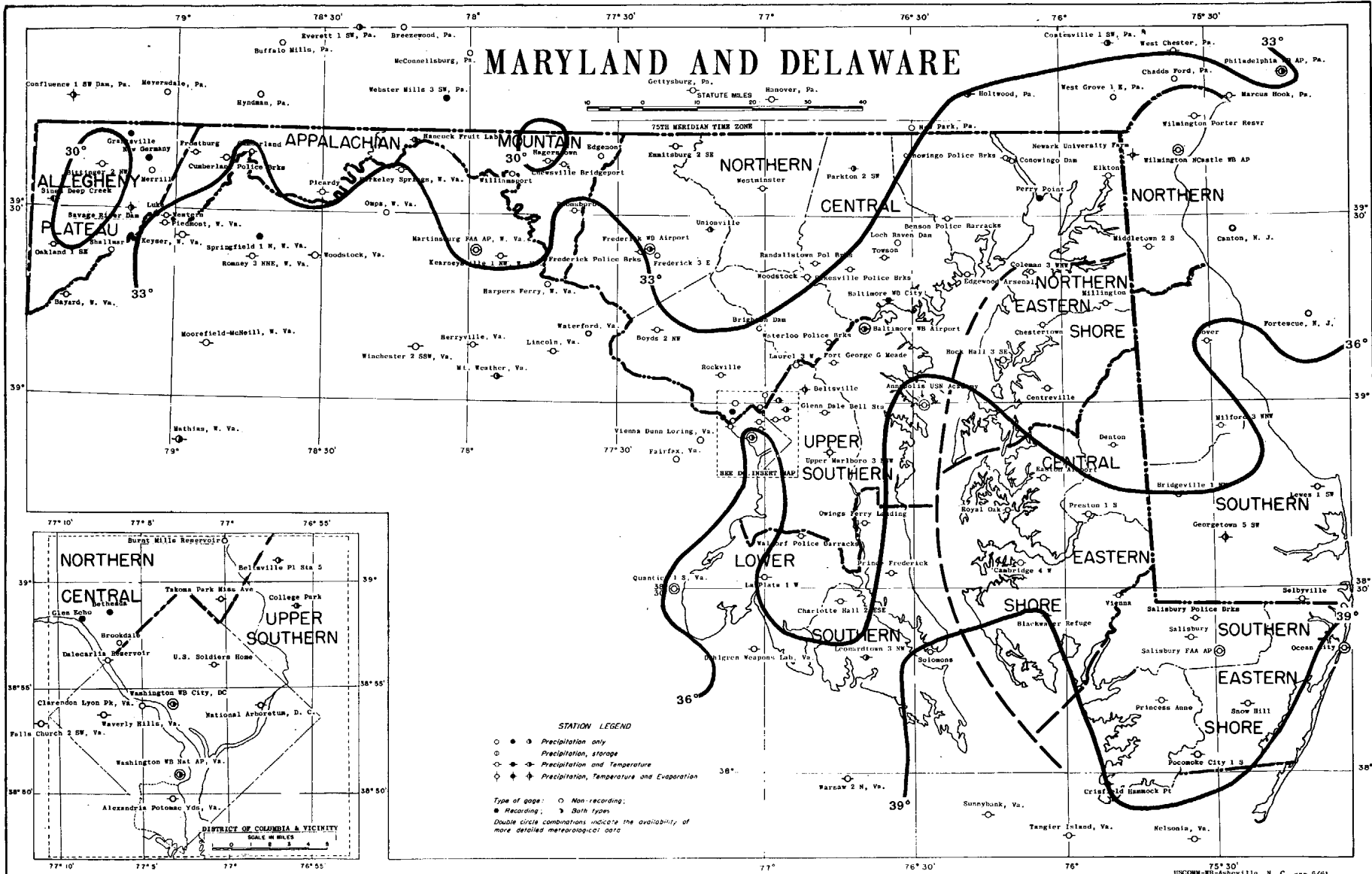
Total evaporation for month should be,
5.47.



TOTAL PRECIPITATION

MARYLAND AND DELAWARE
DECEMBER 1961

Isohynes are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.



AVERAGE TEMPERATURE

MARYLAND AND DELAWARE
DECEMBER 1961

Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

STATION INDEX

MARYLAND AND DELAWARE
DECEMBER 1961

STATION	INDEX NO.	COUNTY	DRAINAGE I	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER
							TEMP.	PRECIP.	EVAP.	SPECIAL SERVICES	
MARYLAND											
ANAPOLIS U S N ACADEMY	0185	ANNE ARUNDEL	1	38 59	76 28	10	MID	MID		H J U.S. NAVY	
BALTIMORE WB AIRPORT	0465	ANNE ARUNDEL	3	39 11	76 40	146	MID	MID		C H J U.S. WEATHER BUREAU	
BALTIMORE WB CITY	0470	BALTO CITY	3	39 13	76 37	14	MID	MID		C H J U.S. WEATHER BUREAU	
BELTSVILLE	0700	PRINCE GEORGE	5	39 02	76 53	120	BA	BA		C A C CHESTER H. GORDON	
BELTSVILLE PLANT STA 5	0705	PRINCE GEORGE	5	39 01	76 57	100	9A	9A		C C USDA PLANT IND. STA.	
BENSON POLICE BARRACKS	0732	HARFORD	1	39 30	76 23	365	5P	5P		C H MD* STATE POLICE	
BETHESDA	0795	MONTGOMERY	5	38 58	77 07	330				C H CORPS OF ENGINEERS	
BITTINGER 2 NW	0891	GARRETT	7	39 37	76 15	2700	7P	7P		C H ELBERT E. BUCKEL	
BLACKWATER REFUGE	0915	DORCHESTER	1	38 26	76 08	5	4P	4P		C H NAT. WILDLIFE REFUGE	
BOONSBORO	0986	WASHINGTON	5	39 31	77 39	735	6P	6P		C H J. HOWARD BECKENBAUGH	
BOYDS 2 NW	1032	MONTGOMERY	5	39 12	77 20	580	6P	6P		C H RALPH F. STALEY	
BRIGHTON DAM	1125	MONTGOMERY	4	39 12	77 01	350	8A	8A		C H WASH. SUBS. SANIT. COMM.	
BROOKDALE	1170	MONTGOMERY	5	38 57	77 06	282	7P	7P		C H W. B. FRANCIS DASHIELL	
CAMBRIDGE 4 W	1385	DORCHESTER	1	38 34	76 09	5	6P	6P		C H H. D. ARCY MC B. HARDING	
CENTREVILLE	1627	DOVER ANNES	1	39 05	76 03	46	6P	6P		C H ALEXANDER J. KNIGHT	
CHARLOTTE HALL 1 ESE	1686	ST MARYS	4	38 28	76 45	167	5P	5P		C H GREEN MANOR FARM	
CHESTERTOWN	1750	KENT	3	39 13	76 04	28	11P	11P		C H T. W. ELIASON, JR.	
CHEWCHILLS BRIDGEPORT	1790	WASHINGTON	5	39 38	77 42	540	5S	5S		C H PAUL OSWALD	
COLEMAN 3 NW	1980	KENT	1	39 21	76 08	78	6P	6P		C H W. B. HARRIS	
COLLEGE PARK	1995	PRINCE GEORGE	5	38 59	76 56	70	5P	5P		C M U.S. GEOL. SURVEY	
CONOWINGO DAM	2060	HARFORD	6	39 39	76 10	40	MID	MID		C H SUSQUEHANNA ELECTRIC CO.	
CONOWINGO POLICE BRKS	2065	HARFORD	6	39 39	76 11	195	5P	5P		C H MD* STATE POLICE	
CRISFIELD HAMMOCK PT	2205	SOMERSET	1	37 58	75 52	7	5P	5P		C H GEORGE W. STAPLES 111	
CUMBERLAND	2280	ALLEGANY	5	39 39	78 45	945	6P	6P		C H R. R. GOLDEN	
CUMBERLAND POLICE BRKS	2285	ALLEGANY	5	39 38	78 50	970	5P	5P		C H MD* STATE POLICE	
DEWTON	2523	CAROLINE	1	38 53	75 50	20	6P	6P		C H JAMES K. COOPER	
DENTON POLICE BARRACKS	2700	TALBOT	1	38 45	76 06	40	5P	5P		C H MARYLAND STATE POLICE	
EDGEWOD	2770	WASHINGTON	5	39 40	77 33	905	8A	8A		C H LEE G. HARNE	
EDGEWOOD ARSENAL	2795	HARFORD	1	39 21	76 19	10	MID	MID		C H U.S. ARMY SIGNAL CORPS	
ELCTON	2860	CECIL	1	39 36	76 50	28	6P	6P		C H M. K. BOUNCHELLE	
EMmitsBURG 2 SE	2906	FREDERICK	5	39 41	77 18	420	5P	5P		C H MRS. LUCILLE K. BEALE	
FORT GEORGE G HEADE	3230	ANNE ARUNDEL	4	39 06	76 45	140	5P	5P		C H H. FILTRATION PLANT	
FREDERICK POLICE BRKS	3348	FREDERICK	5	39 25	77 26	380	5P	5P		C H MD* STATE POLICE	
FREDERICK WB AIRPORT	3350	FREDERICK	5	39 25	77 23	294	MID	MID		C H U.S. WEATHER BUREAU	
FREDERICK 3 E	3355	FREDERICK	5	39 24	77 22	385	8A	8A		C H MISS J. MARY STALEY	
FROSTBURG	3410	ALLEGANY	5	39 39	78 56	2035	5P	7A		C H C. A. SUTER, JR.	
GLEN ECHO	3640	MONTGOMERY	9	38 58	77 09	150	6P	6P		C H CORPS OF ENGINEERS	
GLENN DALE BELL STA	3675	PRINCE GEORGE	4	38 58	76 48	151	4P	4P		C H PLANT INTRO. GARDEN	
GRANTSVILLE	3795	GARRETT	7	39 42	79 09	2380				C H MRS. FANNIE B. MILLER	
HAGERSTOWN	3975	WASHINGTON	5	39 39	77 44	860	6P	6P		C H HAGERSTOWN RESERVOIR	
HANCOCK FRUIT LAB	4030	WASHINGTON	5	39 42	78 11	428	8A	8A		C M U. OF MD. FRUIT LAB.	
LA PLATA 1 W	5080	CHARLES	5	38 32	77 00	140	5P	5P		C H C. RUSSELL LEVERING	
LAUREL 3 W	5111	PRINCE GEORGE	4	39 06	76 54	400	5P	8A		C H WASH. SUBS. SANIT. COMM.	
LEONARDTOWN 3 NW	5201	ST. MARYS	5	38 19	76 40	40	5P	5P		C H RADIO STATION WKIK	
LOCH RAVEN DAM	5340	BALTIMORE	1	39 26	76 33	100	5P	5P		C H CITY OF BALTIMORE	
LUKE	5530	ALLEGANY	5	39 28	79 04	1020	8A	8A		C H HOWARD T. HANGOLD	
MERRILL	5894	GARRETT	7	39 36	79 05	1790	8A	8A		C H DELWOOD E. MERRILL	
MILLINGTON	5985	KENT	1	39 16	75 51	30	6P	6P		C H LOUIS H. HOLLETT	
NEW GERMANY	6400	GARRETT	7	39 38	79 07	2550				C H ARCHIE BITTINGER	
OAKLAND 1 SE	6520	GARRETT	7	39 24	79 24	2420	5P	5P		C H R. E. WEBER	
OCEAN CITY WATER PLANT	6670	WORCESTER	2	38 23	75 05	17	4P	4P		C H TOWN OF OCEAN CITY	
OWINGS FERRY LANDING	6770	CALVERT	4	38 42	76 41	120	7P	7P		C H M. THOMAS J. BOURNE	
PARKTON 2 SW	6844	BALTIMORE	1	39 38	76 42	600	11P	11P		C H JOHN R. FOX	
PERRY POINT	6980	CECIL	1	39 33	76 50	40	6P	6P		C H VETERANS ADMINISTRATION	
PICARDY	7010	ALLEGANY	5	39 33	78 30	1030	6P	6P		C H POTOMAC HLND. ORCHARD	
PIKESVILLE POL BRKS	7015	BALTIMORE	3	39 23	76 43	500	5P	5P		C H MD* STATE POLICE	
POTOMACK CITY 1 S	7140	WORCESTER	1	38 03	75 34	20	5P	5P		C H RADIO STATION WOHV	
POTOMACK FILTER PLANT	7272	MONTGOMERY	9	39 02	77 15	270	8A	8A		C H CITY OF POTOMAC	
PRESTON 1 S	7310	CAROLINE	1	38 42	75 55	50	6P	6P		C H M. FRANKLIN D. NUSSBAUM	
PRINCE FREDERICK	7325	CALVERT	1	38 32	76 35	140	5P	5P		C H BOYD KING	
PRINCESS ANNE	7330	SOMERSET	1	38 12	75 41	15	5P	5P		C H TOWN OF PRINCESS ANNE	
ROCK HALL 3 SE	7700	KENT	1	39 07	76 12	10	6P	6P		C H JOHN C. BRANCA	
ROCKVILLE	7705	MONTGOMERY	9	39 05	77 09	436	4P	4P		C H COUNTY POLICE	
ROYAL OAK	7806	TALBOT	1	38 43	75 11	10	5P	5P		C H J. L. SWAIN JR.	
SALISBURY	8090	WICOMICO	1	38 22	75 34	10	5P	5P		C H CITY OF SALISBURY	

1-CHESAPEAKE; 2-COASTAL; 3-PATASCO; 4-PATUXENT; 5-POTOMAC; 6-SUSQUEHANNA; 7-YOUGHIOGENY

REFERENCE NOTES

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

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

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for October 1956.

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.

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.

Long-term means for full-time stations (Those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

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.

Entries of snowfall in the "Climatological Data" Table and 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.

Data in the "Extremes Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "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. 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.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- 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.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- ++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.
- * Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- 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.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- X Observation time is 1:00 a.m., E.S.T. of the following day.
- VAR This entry in time of observation column in Station Index means variable.

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 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

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 25, D. C.