

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

AUGUST 1954
Volume LVIII No. 8



MARYLAND AND DELAWARE - AUGUST 1954

G. N. Brancato, Section Director - Baltimore, Md.

WEATHER SUMMARY

After three months in which the precipitation has been below normal, totals during August averaged above normal. Temperatures, the number of days with thunderstorms, the percentage of possible sunshine, and the speed of the wind were near normal.

Due principally to frequent and sometimes heavy precipitation in western and extreme southeastern Maryland, and in extreme northern Delaware, precipitation amounts averaged above normal for the first time since May. Delaware amounts varied from 7.26" at Wilmington City Hall station to 3.44" at Middletown 2 S, while Maryland amounts ranged from 9.94" at Bittering 2 NW to 2.23" at Loch Raven Dam. Monthly totals of stations in the vicinity of the Chesapeake Bay were mostly below normal and elsewhere they were above normal. In general, the amounts which were above normal were due largely to frequent occurrences rather than unusually heavy amounts. Bittering 2 NW reported rainfall on 22 days during the month. Delaware's greatest one-day amounts were one and one-half inches to two and one-half inches, and occurred on the 31st, as hurricane Carol moved northeastward off the coast. Most Maryland amounts were one-half to one and one-half inches and occurred mostly on the 3rd. Extremely heavy one-day measurements were 4.30" at Crisfield and 3.40" at Pocomoke City on the 10th. The rainfall was distributed through the month fairly evenly and there were no reports of flooded streams. Also, there were no unusually severe storms.

Temperatures averaged exactly normal for Maryland during August, and Delaware averages were slightly less than one degree below normal. No section of the two-state area reported marked

deviations from normal. Delaware mean temperatures varied from 75.6° at Dover to 72.2° at Wilmington Porter Reservoir and extremes were 99° at Dover, Laurel 2 SW, and Middletown 2 S on the 1st, and 47° at Laurel 2 SW on the 12th and at Bridgeville and Milford on the 14th. Monthly temperatures in Maryland ranged from 77.0° at Royal Oak to 65.0° at Bittering 2 NW and extremes were 104° at Cheltenham 1 NW on the 1st and 43° at Oakland 1 SE on the 8th and 14th and at Cumberland Police Barracks on the 13th. In general, the warmest period was on the 1st when temperatures rose into the upper 90's. However, many maximum readings west of the Chesapeake Bay to the vicinity of Hancock were 100° or a little higher. In Garrett County and the Frostburg section of Allegany County, the month's highest readings were in the 80's. A few stations reported their highest temperatures on the 16th, 19th, or 24th. The coolest weather was on the 14th when most mercury levels lowered to the 45° to 55° range. Several stations recorded their coolest temperatures on the 12th or 18th.

The frequent rains of August broke the summer drought. But for some crops, particularly on the Delmar Peninsula, the rains came too late to bring about complete recovery. The sizing of late varieties of fruit improved but apples were still undersized because of a heavy crop and the limited rainfall earlier in the season. Pastures improved considerably and were beginning to provide limited grazing during the latter half of the month, and near normal grazing prevailed in most areas by the end of the month. Truck crops had their peak harvest during the month. Tobacco improved considerably and cuttings were becoming more general at the end of August. - H.L.A.

SUPPLEMENTAL DATA

MARYLAND AND DELAWARE
AUGUST 1954

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	1:30 a EST	7:30 a EST	1:30 p EST	7:30 P EST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over			Total
ABERDEEN PHILLIPS FIELD, MD	-	-	-	-	-	-	84	79	55	72	4	3	5	2	1	0	15	-	-
ANNAPOLIS USN ACADEMY, MD	W	-	8.1	-	-	-	77	74	57	65	4	2	7	2	1	0	16	-	-
BALTIMORE WB AP, MD	WNW	14	8.7	50	NW	16	82	78	53	66	6	3	5	4	0	0	18	63	5.9
FREDERICK WB AP, MD	-	-	-	-	-	-	-	-	-	-	-	4	4	3	2	0	-	-	-
WASHINGTON WB CITY, D. C.	NW†	11†	9.4†	29	NW	16	77†	77†	53†	64†	5	5	5	3	0	0	18	65†	5.4†
WILMINGTON WB AP, DEL.	NW	13	7.3	-	-	-	85	81	54	69	8	4	1	3	2	0	18	-	6.0

† Airport Data

COMPARATIVE DATA

AUGUST

Year	Temperature			Precipitation		Year	Temperature			Precipitation		Year	Temperature			Precipitation	
	Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall
MARYLAND						MARYLAND						MARYLAND					
1895	75.2	102	31	1.90	0	1917	73.3	100	40	3.15	0	1939	76.1	99	44	4.20	0
1896	74.2	100	34	1.77	0	1918	76.0	109	40	3.19	0	1940	71.3	97	38	5.29	0
1897	71.6	95	39	3.53	0	1919	71.9	96	37	5.37	0	1941	72.9	100	36	3.14	0
1898	75.3	98	46	6.42	0	1920	73.4	95	42	6.86	0	1942	72.6	97	35	7.30	0
1899	74.1	102	41	4.09	0	1921	71.2	97	37	3.70	0	1943	75.5	102	38	1.42	0
1900	78.8	103	41	3.04	0	1922	71.6	98	31	3.19	0	1944	74.2	102	34	3.46	0
1901	74.9	98	42	5.72	0	1923	72.7	98	34	3.12	0	1945	72.5	99	34	3.73	0
1902	71.6	100	33	2.11	0	1924	73.3	103	35	4.00	0	1946	70.1	95	34	4.61	0
1903	71.0	100	37	5.25	0	1925	71.6	98	35	2.38	0	1947	76.4	99	47	3.30	0
1904	71.8	97	31	2.96	0	1926	74.8	104	42	6.54	0	1948	73.5	107	44	6.62	0
1905	72.9	104	38	5.19	0	1927	68.4	92	36	3.97	0	1949	74.8	102	40	4.32	0
1906	75.6	96	47	8.32	0	1928	75.5	99	41	9.09	0	1950	72.7	97	36	3.46	0
1907	71.3	95	39	4.40	0	1929	71.3	99	35	2.69	0	1951	73.6	100	36	2.26	T
1908	71.7	101	34	4.98	0	1930	73.7	108	30	1.06	0	1952	74.1	96	35	5.72	T
1909	71.7	99	33	3.11	0	1931	73.6	101	40	7.44	0	1953	74.0	107	37	3.81	T
1910	72.3	95	34	2.79	0	1932	74.6	104	38	2.55	0	1954	73.4	104	43	5.03	T
1911	74.7	104	37	9.95	0	1933	73.8	100	40	10.00	0						
1912	71.5	99	36	2.93	0	1934	72.0	97	32	4.94	0						
1913	73.0	101	38	3.90	0	1935	74.1	100	36	3.22	0						
1914	74.4	102	38	4.84	0	1936	75.8	101	39	4.11	0						
1915	72.4	103	38	8.22	0	1937	75.5	100	44	6.87	0						
1916	74.1	101	36	2.42	0	1938	76.2	100	38	2.61	0						
DELAWARE						DELAWARE						DELAWARE					
1895	77.1	100	49	2.73	0	1917	75.0	98	51	3.54	0	1939	76.8	97	54	9.50	0
1896	75.8	103	50	1.57	0	1918	76.7	107	48	1.55	0	1940	72.3	95	48	5.69	0
1897	73.5	93	54	3.33	0	1919	72.5	94	51	9.54	0	1941	73.6	97	44	3.14	0
1898	76.7	95	53	5.07	0	1920	74.5	91	52	8.13	0	1942	73.4	96	45	7.63	0
1899	74.4	96	52	4.91	0	1921	72.3	98	49	3.82	0	1943	75.8	100	47	1.30	0
1900	78.7	104	52	2.79	0	1922	72.8	91	51	4.79	0	1944	75.0	98	43	3.50	0
1901	76.7	95	57	7.13	0	1923	73.0	96	45	2.78	0	1945	72.6	95	47	5.06	0
1902	73.1	96	48	1.62	0	1924	74.2	100	49	4.57	0	1946	70.8	92	46	4.19	0
1903	72.4	99	49	4.58	0	1925	72.4	95	45	3.39	0	1947	75.9	99	51	2.97	0
1904	72.8	94	48	2.42	0	1926	76.1	101	55	5.66	0	1948	73.9	101	52	6.08	0
1905	73.3	93	51	6.49	0	1927	69.6	91	47	4.96	0	1949	75.5	101	47	4.31	0
1906	76.9	97	59	9.25	0	1928	77.0	100	55	10.00	0	1950	72.8	95	46	2.36	0
1907	72.8	95	51	3.29	0	1929	72.7	97	45	2.84	0	1951	74.0	98	46	3.13	T
1908	72.1	97	48	5.06	0	1930	74.4	102	46	1.59	0	1952	74.4	94	41	6.10	0
1909	72.3	95	48	2.97	0	1931	75.8	101	56	9.88	0	1953	74.2	101	49	6.65	0
1910	72.9	92	51	3.32	0	1932	75.7	100	50	2.12	0	1954	73.6	99	47	5.11	0
1911	75.4	99	51	9.87	0	1933	75.6	98	56	12.73	0						
1912	73.8	97	49	1.87	0	1934	72.9	94	44	5.40	0						
1913	74.0	99	52	3.60	0	1935	74.6	99	49	3.66	0						
1914	76.5	100	55	3.94	0	1936	76.4	100	50	6.08	0						
1915	74.5	101	49	8.05	0	1937	76.1	95	55	8.29	0						
1916	74.9	99	49	1.14	0	1938	76.8	98	49	3.40	0						

See reference notes following Station Index

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE
AUGUST 1954

TABLE 2 - 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, Hail			No. of Days		
										90° or Above	31° or Above	31° or Below	0° or Below					Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
SINES DEEP CREEK	76.2	56.7	66.5	.9	86	16	44	14	31	0	0	0	0	9.64	5.46	1.22	5	.0	0	0	16	10	1
SNOW HILL	87.9	64.2	76.1	1.6	97	16	50	12	0	11	0	0	0	3.61	1.18	1.64	31	.0	0	0	7	2	1
SOLOMONS	85.4	69.0	77.2	.0	94	14	61	12	0	6	0	0	0	3.52	.52	1.00	10	.0	0	0	9	2	1
STEVENSVILLE 1 W	84.0	66.8	75.4		95	1	55	14	0	3	0	0	0	4.02		.97	21	.0	0	0	10	3	0
TAKOMA PARK MISS AVE	83.2	63.5	73.4	-.4	95	1	54	14	0	3	0	0	0	6.10	1.52	1.34	3	.0	0	0	11	5	1
TONOLWAY	81.7	58.3	70.0	-1.9	92	16	47	13	2	3	0	0	0					.0	0	0			
TOWSON	85.7	60.3	73.0	.2	102	1	49	14+	0	7	0	0	0	4.42	.29	1.30	3	.0	0	0	9	4	1
UNIONVILLE	83.7	60.9	72.3	.8	93	14	47	14	2	3	0	0	0	8.01	4.27	1.84	30	T	0	0	10	7	4
VIENNA	85.0	65.2	75.1		96	1	52	14	0	3	0	0	0	4.37		1.45	31	.0	0	0	9	3	1
VIERS MILL	84.1	61.3	72.7		93	14	48	14	0	4	0	0	0	6.21		1.29	3	.0	0	0	11	3	1
WALDORF POLICE BRKS	87.5	62.3	74.9		99	1	49	14	0	13	0	0	0	4.28		1.16	10	.0	0	0	7	4	1
WATERLOO POLICE BRKS	87.5	62.5	75.0		103	1	54	18	0	10	0	0	0	4.97		1.05	20	.0	0	0	10	4	1
WESTERN PORT	83.3	60.8	72.1	.1	93	16	49	14	0	6	0	0	0	6.39	2.68	1.55	15	.0	0	0	10	5	2
WESTMINSTER	82.3	60.8	71.6	-1.5	93	19	50	14	0	0	0	0	0	5.67	1.07	1.08	3	.0	0	0	12	6	1
WOODSTOCK	83.1	60.2	71.7	-1.1	97	1	48	14+	1	3	0	0	0	4.41	.27	1.63	3	.0	0	0	10	2	1
DISTRICT OF COLUMBIA																							
DALECARLIA RESERVOIR DC	84.0	64.3	74.2		94	14	53	14	0	3	0	0	0	5.98		1.25	3	.0	0	0	11	3	2
NATIONAL ARBORETUM D C	86.7	65.5	76.1		100	1	58	14	0	8	0	0	0	4.35		1.01	19	.0	0	0	9	3	1
U S SOLDIERS HOME D C	84.5	64.0	74.3		103	1	58	13+	0	7	0	0	0	4.36		.96	6	.0	0	0	10	3	0
WASHINGTON WB CITY DC	84.1	67.1	75.6	-.2	95	16	59	14	0	5	0	0	0	3.73	-.76	.83	5	.0	0	0	8	3	0
MARYLAND AND D C																							
DELAWARE																							
BRIDGEVILLE 1 SW	84.1	61.4	72.8	-1.4	95	1	47	14	1	6	0	0	0	5.24	.56	2.56	31	.0	0	0	5	4	1
DOVER	86.6	64.6	75.6	.9	99	1	54	18	0	8	0	0	0	5.04	.17	2.40	31	.0	0	0	8	3	1
GEORGETOWN 5 SW	85.8	62.6	74.2		97	14	48	12+	1	8	0	0	0	4.77		2.27	31	.0	0	0	6	3	2
LAUREL 2 SW	87.0M	62.5M	74.8M		99	1	47	12	2	10	0	0	0	4.33		1.70	31	.0	0	0			
LEWES	82.4	62.6	72.5		95	16	49	12+	0	5	0	0	0	5.20		2.06	31	.0	0	0	5	4	2
MIDDLETOWN 2 S	85.5	61.9M	73.7M		99	1	50	18	0	7	0	0	0	3.44		1.00	21	.0	0	0	6	3	1
MILFORD	86.1	61.3	73.7	-1.4	98	19	47	14	0	8	0	0	0	6.16	1.12	2.20	31	.0	0	0	5	4	2
NEWMARK COLLEGE FARM	84.1	62.7	73.4	.7	98	1	51	18	0	5	0	0	0					.0	0	0			
SELBYVILLE	84.6	63.4	74.0		97	1	48	12	1	7	0	0	0	4.65		1.92	31	.0	0	0	4	3	3
WILMINGTON NEWCSTL WB AP	82.4	63.4	72.9	-.9	93	19	54	18	0	4	0	0	0	5.82	.54	1.47	31	.0	0	0	6	5	2
WILMINGTON PORTER RESVR	80.5	63.9	72.2	-1.8	91	16	57	12+	0	3	0	0	0	6.41	1.31	1.91	31	.0	0	0	7	6	2
STATE																							
SECTION																							
			73.6	-.8										5.11	.27			.0					
			73.4	-.1										5.04	.56			T					

† DATA RECEIVED TOO LATE TO BE INCLUDED IN STATE AVERAGES

DAILY PRECIPITATION

MARYLAND AND DELAWARE AUGUST 1954

Table 3

Table with columns for Station, Total, and Day of month (1-31). Rows list numerous stations in Maryland and Delaware with their respective precipitation totals and daily values.

DAILY PRECIPITATION

MARYLAND AND DELAWARE
AUGUST 1954

Table 3-Continued

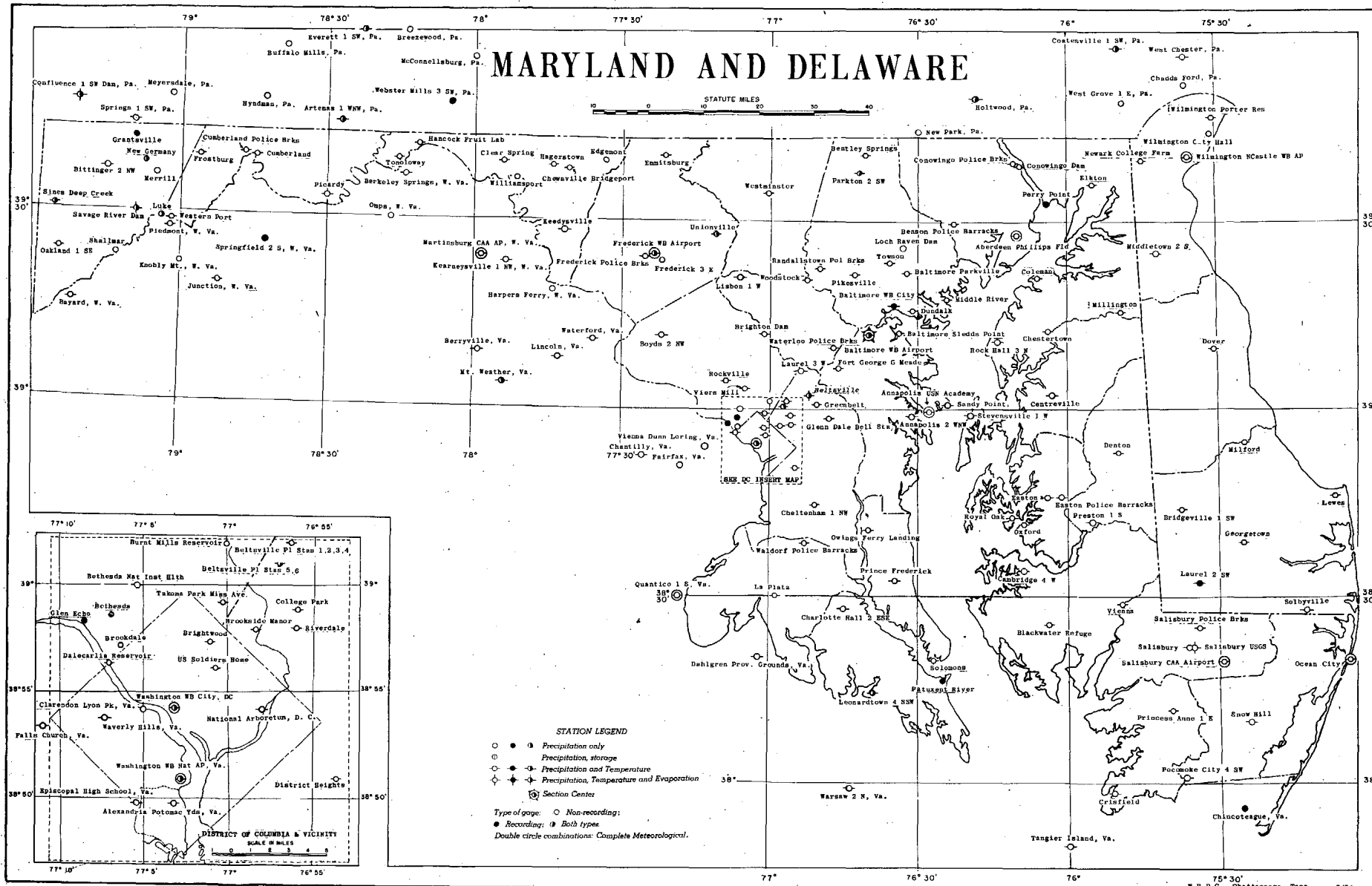
Station	Total	Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MIDDLETOWN 2 5	3.44		.06	.09		.08	.07			.66					.13		.17		.18		1.00												
MILFORD	6.16	T	T			.80				.09					.04		.44				.80	1.76					.70						
NEWARK COLLEGE FARM	-		.02	1.02	T	.04	.03			.70	.09				.08		.54				.04	.55					.05						
SELBYVILLE	4.65	T	T	T	T	1.39				.05	T			T	.03		.10			.03	1.09	T											
WILMINGTON NEWGSL WB AP	5.82	T	T	.90		.02				.84	T			T	.05	.32				.07	1.41	.69				T	T						
WILMINGTON CITY HALL	7.26		T	1.05	.11	.04				.86						.24				.05	1.15	.91											
WILMINGTON PORTER RESVR	6.41		T	1.52		.07				.80	T				.02	.22				.02	.83	.52											

EVAPORATION AND WIND

Table 6

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	
BELTSVILLE	EVAP	-	-	-	.23	.33	-	.38	-	-	.13	.20	.38	.26	.25	.26	-	.32	.35	.07	-	.20	.11	.23	.20	.17	.15	.15	.03	.03	.17	.18	-
	WIND	-	-	-	.82	-	-	.97	-	-	.35	.47	.94	.69	.47	.17	.24	.70	.36	.39	.25	.25	.35	.35	.23	.23	.24	.26	.41	.14	.13	.15	.18
SAVAGE RIVER DAM	EVAP	-	.24	.20	.22	.23	.16	.27	.24	.16	.05	.19	.30	.26	.24	.15	.19	.48	.10	.25	.19	.12	.11	.05	.11	-	-	-	.11	.09	.20	.17	-
	WIND	-	.58	.65	.64	.57	.58	.55	.46	.52	.39	.63	.87	.62	.44	.28	.36	.62	.29	.47	.46	.20	.77	.62	.51	.36	.53	.45	.48	.29	.36	.54	B5.83 B1570

MARYLAND AND DELAWARE



Hourly precipitation data from recorder stations will be available in the publication "Hourly Precipitation Data".