



CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

OCTOBER 1971

Volume 75 No. 10

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

Station		Temperature										Precipitation												
		Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Departure From Normal	Greatest Day	Date	Snow, Sleet		No. of Days				
											Max.	Min.	Total	Total				Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More		
MARYLAND																								
* * *																								
SOUTHERN EASTERN SHORE 01																								
ASSATEAGUE STATE PARK		70.5	58.1	64.3		78	6+	41	7	58	0	0	0	0	7.95		3.16	26	-0	0		10	5	3
CRISFIELD SOMERS COVE		72.5	60.8	66.7	4.5	79	2+	52	13+	30	0	0	0	0	6.69	3.32	1.16	1	-0	0		9	7	3
POCOMOKE CITY		73.6	58.6	66.1		82	13+	43	8	43	0	0	0	0	8.43		1.90	26	-0	0		10	7	9
PRINCESS ANNE		73.0	56.9	65.0		83	2	38	8	70	0	0	0	0	10.80		4.44	26	-0	0		10	6	9
SALISBURY		73.1	57.5	65.3		82	2	43	8	53	0	0	0	0	10.31	6.81	5.60	26	-0	0		9	6	3
SALISBURY FAA AIRPORT		72.4	57.4	64.9		83	2	40	8	61	0	0	0	0	8.75		4.46	25	-0	0		9	3	3
SNOW HILL 4 N		71.6	57.3	64.5	5.7	82	2	39	8	70	0	0	0	0	9.51	5.60	2.00	24	-0	0		11	7	4
DIVISION				65.3	5.7										8.92	5.29			-0					
* * *																								
CENTRAL EASTERN SHORE 02																								
BLACKWATER REFUGE		74.4	57.1	65.8		83	3	43	8	51	0	0	0	0	7.42		1.85	10	-0	0		10	6	3
CAMBRIDGE 4 W		72.2	57.0	64.6		81	3	45	12+	63	0	0	0	0	7.27		1.85	10	-0	0		8	6	3
DENTON 1 WNW		72.7	55.2	64.0		83	2	40	9	80	0	0	0	0	6.74		1.73	10	-0	0		7	4	4
EASTON POLICE BARRACKS		73.9	56.0	65.0	6.7	81	14+	43	8	56	0	0	0	0	7.02	3.84	2.00	26	-0	0		9	4	3
PRESTON 1 S		72.4	55.5	64.0		80	13+	41	13	76	0	0	0	0	6.61		1.47	10	-0	0		10	4	4
ROYAL OAK		72.4	57.3	64.9		82	3	47	12	52	0	0	0	0	7.90		2.10	26	-0	0		9	5	3
VIENNA		74.9	56.5	65.7		82	2	44	9	55	0	0	0	0	7.58		3.10	26	-0	0		10	5	2
DIVISION				64.9	6.1										7.22	3.99			-0					
* * *																								
LOWER SOUTHERN 03																								
CHARLOTTE HALL 2 SE		72.7	55.6	64.2		80	4	40	8	66	0	0	0	0	8.19		2.11	10	-0	0		9	6	4
LA PLATA 1 W		72.4	55.3	63.9		82	3	39	8	76	0	0	0	0	8.05		2.48	10	-0	0		8	7	2
LEONARDTOWN 3 NW		72.5	53.4	63.0		82	3	36	8	97	0	0	0	0	8.88		2.82	10	-0	0		8	7	4
DWINGS FERRY LANDING		70.6	52.9	61.8	3.2	79	15	39	11+	118	0	0	0	0	8.83	5.54	2.76	25	-0	0		8	5	3
PRINCE FREDERICK 1 N		71.6	54.9	63.3		80	2	39	8	92	0	0	0	0	8.49		2.73	10	-0	0		7	7	2
SOLOMONS		72.4	60.1	66.3	5.1	81	14	49	8	30	0	0	0	0	6.10	2.99			-0	0				
WALDORF POLICE BRKS		73.2	54.6	63.9		80	16+	39	8	77	0	0	0	0	7.67		2.02	10	-0	0		8	5	4
DIVISION				63.8	5.0										8.03	4.66			-0					
* * *																								
UPPER SOUTHERN 04																								
ANNAPOLIS USN ACADEMY		72.0	58.1	65.1		84	6	43	8	46	0	0	0	0	6.39		2.42	10	-0	0		6	4	1
BALTIMORE WSO		70.1	55.6	62.9	5.9	82	3	43	8	96	0	0	0	0	6.88	3.70	2.38	10	-0	0		9	5	2
BELTSVILLE		70.2	51.3	60.8		80	4	39	8	142	0	0	0	0	7.26		2.02	26	-0	0		9	5	2
BELTSVILLE PLANT STA 5		70.5	53.5	62.0		82	4	39	8	117	0	0	0	0	6.55		1.95	26	-0	0		8	6	2
COLLEGE PARK		72.0	55.2	63.6	6.0	83	3	42	8	82	0	0	0	0	7.39	4.23	2.10	10	-0	0		9	4	3
DALECARLIA RESVR D C		73.5	53.2	63.4		84	3	40	11+	88	0	0	0	0	6.29		1.98	10	-0	0		8	3	3
FORT GEORGE G MEADE		71.8	53.6	62.7		82	3	39	8	103	0	0	0	0	7.18		2.39	10	-0	0		9	5	2
GLENN DALE BELL STA		72.5	52.7	62.6	5.8	81	3	38	8	106	0	0	0	0	7.08	3.72	2.46	10	-0	0		7	5	3
LAUREL 3 W		71.2	55.4	63.3		82	3	44	8	83	0	0	0	0	5.55		1.61	10	-0	0		8	3	2
NATIONAL ARBORETUM D C		73.5	54.6	64.1		83	3	41	8	70	0	0	0	0	6.78		2.01	10	-0	0		8	4	2
SUITLAND		70.7	53.9	62.3		81	4	42	8	111	0	0	0	0	6.86				-0	0				
U. S. SOLDIERS HOME DC		71.1	56.7	63.9		83	3	43	11	75	0	0	0	0	6.91		2.41	25	-0	0		8	3	2
UPPER MARLBORO 3 NNW		70.9	52.8	61.9		80	16+	39	8	116	0	0	0	0	7.98		2.83	26	-0	0		9	4	2
DIVISION				63.0	5.3										6.85	3.71			-0					
* * *																								
NORTHERN EASTERN SHORE 05																								
CENTREVILLE		71.9	54.9	63.4		81	3	42	8	81	0	0	0	0	7.96		2.17	10	-0	0		7	6	4
CHESTERTOWN		70.8	53.1	62.0		80	3	45	19+	110	0	0	0	0	9.23		3.57	24	-0	0		7	4	3
COLEMAN 3 WNW																								
EASTERN NECK ISLAND		71.0	57.8	64.4		79	3	47	11	64	0	0	0	0	8.10		3.11	10	-0	0		7	5	2
MILLINGTON		71.5	52.6	62.1	4.3	81	29	37	8	124	0	0	0	0	7.92	4.94	2.62	10	-0	0		5	4	4
DIVISION				63.0	4.4										8.30	5.30			-0					
* * *																								
NORTHERN CENTRAL 06																								
ABERDEEN PHILLIPS FLD		69.9	53.7	61.8		81	3	39	13	110	0	0	0	0	6.80		2.85	10	-0	0		4	4	3
BALTIMORE CITY WSO		70.8	57.8	64.3	4.3	86	3	44	8	78	0	0	0	0	8.00	4.75	2.64	10	-0	0		8	5	4
BENSON POLICE BARRACKS		72.4	52.6	62.5		84	3	42	8	95	0	0	0	0	6.87		3.01	26	-0	0		5	3	2
BOYDS 2 NW		70.4	53.3	61.9		81	3	39	8	116	0	0	0	0	5.15		2.30	25	-0	0		8	3	3
CATOCTIN MOUNTAIN PARK		65.4	51.8	58.6		75	3	39	8	199	0	0	0	0	6.25		2.08	25	-0	0				
CLARKSVILLE 3 NNE		70.5	51.2	60.9		81	3	36	8	150	0	0	0	0	6.17		2.24	10	-0	0		7	5	3
CONOWINGO DAM		69.3	52.6	61.0		81	3	41	19	137	0	0	0	0	6.30		2.90	10	-0	0		5	4	2
ELKTON		70.6	52.5	61.6	5.1	78	29+	36	8	123	0	0	0	0	8.78	5.55	3.41	10	-0	0		6	4	4
EMMITTSBURG 2 SE		70.0	49.9	60.0		84	3	37	13+	176	0	0	0	0	5.43		1.70	25+	-0	0		5	4	2
FREDERICK WFMD																								
PARKTON 2 SW		68.3	50.4	59.4		81	3	38	8	175	0	0	0	0	4.79		1.88	10	-0	0		5	5	1
ROCKVILLE 4 NE		72.0	51.6	61.8		80	3	36	8	121	0	0	0	0	6.27		1.95	25	-0	0		7	4	2

Continued

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND DELAWARE
OCTOBER 1971

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	Max Depth on Ground	Date	10 or More	50 or More	1.00 or More
										32° or Above	33° or Above	32° or Below	31° or Below										
										32° or Above	33° or Above	32° or Below	31° or Below										
TOWSON	70.8	55.8	63.3		82	3	43	8	84	0	0	0	0	8.32	4.83	2.70	10	.0	0		6	4	4
UNIONVILLE	68.8	50.9	59.9		80	3	36	8	174	0	0	0	0	4.77		2.02	25	.0	0		5	2	2
WESTMINSTER 2 SSE	68.8	51.0	59.9	4.2	82	3	37	8	168	0	0	0	0	3.88	.42	1.23	10	.0	0		7	2	2
WHEATON REGIONAL PARK	68.5	51.6	60.1		77	3	39	8	164	0	0	0	0	6.10		1.76	25	.0	0		8	4	2
WOODSTOCK																							
DIVISION			61.1	4.8										6.26	2.94			.0					
* * *																							
APPALACHIAN MOUNTAIN																							
07																							
BOONSBORO	69.0	53.3	61.2		82	3	40	19+	140	0	0	0	0	5.36		3.22	25	.0	0		5	2	2
CHEWSVILLE BRIDGEPORT	69.9	49.5	59.7	4.9	85	3	33	19	184	0	0	0	0	5.22	2.20	2.77	25	.0	0		5	2	2
CUMBERLAND	72.4	49.3	60.9		81	4+	34	8	140	0	0	0	0	2.19		.85	24	.0	0		6	2	0
CUMBERLAND POLICE BRKS	71.1	49.3	60.2		80	3	34	8	155	0	0	0	0	3.56		1.42	24	.0	0		6	2	2
FROSTBURG	66.9	49.4	58.2	4.8	76	4	36	8	210	0	0	0	0	3.48	.15	2.48	24	.0	0		3	2	1
HAGERSTOWN	69.8	50.0	59.9		83	4+	38	19+	174	0	0	0	0	5.67		3.37	25	.0	0		6	3	1
HANCOCK FRUIT LAB	67.7	49.0	58.4		81	4	33	8	209	0	0	0	0	3.24	- .04	1.30	26	.0	0		6	3	2
PICARDY	68.8	50.2	59.5		79	3	33	8	173	0	0	0	0	2.51		.81	25	.0	0		8	2	0
WESTERNPORT UPRC	69.6	50.6	60.1		79	4+	35	8	165	0	0	0	0	2.45		1.00	23	.0	0		3	3	1
DIVISION			59.8	4.7										3.74	.67			.0					
* * *																							
ALLEGHENY PLATEAU																							
08																							
BITTINGER 2 NW	62.1	47.4	54.8		73	30+	31	8	312	0	0	2	0	2.11		.85	25	.0	0		4	2	0
MC HENRY 2 NW	62.7	46.1	54.4		75	5	32	8	323	0	0	1	0	1.78		.80	26	.0	0		3	2	0
OAKLAND 1 SE	65.6	46.2	55.9	5.3	76	30+	30	8	278	0	0	2	0	1.96	- 1.16	.68	25	.0	0		4	2	0
SAVAGE RIVER DAM	65.7	47.4	56.6		78	4	33	9+	264	0	0	0	0	2.33		1.05	24	.0	0		4	2	1
DIVISION			55.4	5.4										2.05	- 1.07			.0					
DELAWARE																							
* * *																							
NORTHERN																							
01																							
MIDDLETOWN 1 WSW	71.6	54.6	63.1		79	15+	41	8	85	0	0	0	0	7.60		3.08	10	.0	0		6	4	2
NEWARK UNIVERSITY FARM	71.5	53.1	62.3		80	3	39	8	105	0	0	0	0	6.53		3.53	10	.0	0		6	4	2
WILMGTON NCATTLE WSO	70.7	55.0	62.9	6.3	80	3	41	8	93	0	0	0	0	6.41	3.50	3.66	10	.0	0		4	2	2
WILMGTON PORTER RESVR	69.1	53.1	61.1		76	30+	42	8	130	0	0	0	0	6.46	3.36	4.18	10	.0	0		4	2	2
DIVISION			62.4	5.2										6.75	3.61			.0					
* * *																							
SOUTHERN																							
02																							
BRIDGEVILLE 1 NW	71.9	55.5	63.7	5.7	84	2	39	8	86	0	0	0	0	5.76	2.57	1.45	24	.0	0		7	4	3
DOVER	72.5	55.9	64.2	5.5	79	3+	44	12	67	0	0	0	0	5.35	2.08	2.30	24	.0	0		6	3	3
GEORGETOWN 5 SW	71.0	54.9	63.0		83	3	37	8	96	0	0	0	0	6.29		2.05	24	.0	0		9	4	2
LEWES 1 SW	69.8	56.8	63.3		80	2	42	8	85	0	0	0	0	6.85		1.59	10	.0	0		8	6	3
MILFORD 2 WSW	71.5	54.6	63.1		83	2	37	8	94	0	0	0	0	5.40		2.33	24	.0	0		9	3	2
SELBYVILLE																							
DIVISION			63.5	5.1										5.93	2.53			.0					

TEMPERATURE AND PRECIPITATION EXTREMES

HIGHEST TEMPERATURE: 86° ON YHR 3D AT BALTIMORE CITY WSO, MD.

LOWEST TEMPERATURE: 30° ON THE 8TH AT OAKLAND 1 SE, MD.

GREATEST TOTAL PRECIPITATION: 10.80 INCHES AT PRINCESS ANNE, MD.

LEAST TOTAL PRECIPITATION: 1.78 INCHES AT MC HENRY 2 NW, MD.

GREATEST ONE-DAY PRECIPITATION: 5.60 INCHES ON THE 26TH AT SALISBURY, MD.

See Reference Notes Following Station Index

MARYLAND AND DELAWARE - OCTOBER 1971

SPECIAL WEATHER SUMMARY

October was cloudy, wet, warm, and humid. It was one of the warmest Octobers on record and the second consecutive month with temperatures averaging above normal. For many long-term stations, such as Annapolis, Salisbury, Dover, and Wilmington, it was the warmest October on record. It was the third warmest on record at the Baltimore National Weather Service City Office, only exceeded by 1919 and 1947 in a 100-year record. Recordbreaking or near record average daily minimum temperatures (which are most likely to occur overnight) made this an unusually warm month. The daily maximum temperatures (which are most likely to occur during the afternoon), although averaging above normal, were not notably so. At the Baltimore City Office, the average daily minimum temperature for October was 57.8°, normal 51.6°, previous record 56.1° in 1947, while the average daily maximum temperature was 70.8°, normal 68.4°, record 74.3° in 1963. At Salisbury, the average daily minimum temperature was 57.5°, normal 48.0°, previous record 55.6° in 1919. The 15-day period, beginning October 19 and continuing through November 2, was the warmest such period in 100 years at the Baltimore City Office. Daily temperatures for the entire period averaged 60° or more, which were exceptionally high for this time of year. No frost was reported during the month except for some scattered light frost in the Garrett County area on several mornings.

Rainfall was generally above normal to much above normal except near normal in Allegany County and below normal in Garrett County. In Southern Eastern Shore, monthly totals reached as much as 300 percent of the normal.

This was the third consecutive month with above normal rainfall reported in the two-state area. Monthly totals exceeding 10 inches were reported in each of these states. A map showing the monthly distribution of rainfall is given in Figure 1. This was the wettest October on record for such long-term stations as Baltimore City Office, Chestertown, Salisbury, and Snow Hill. There were three periods with heavy rainfall, the 1st-3d, the 9th-11th, and the 23d-26th. It should also be noted that there was also a 12-day period, from the 11th through the 22d, without measurable rainfall for many stations. The maximum monthly total was 11.32 inches recorded at the Salisbury State Police weather station. Since January 1 the Towson, Maryland, weather station recorded a total of 68.50 inches, which is 30.27 inches above normal. The official record annual precipitation in Maryland is 72.59 inches at Salisbury in 1948. An interesting note on a beneficial effect of the heavy rainfall during the period from the 23d through the 26th concerns the solution of the problem of temporary power blackouts that had been affecting the Atlantic coastal areas. Heavy rain was able to wash away the salt coating which had been building up on the powerlines and insulators as a result of steady northeasterly winds on shore during the days preceding this rain period.

October, normally the month with the least cloudiness in the year, was a very cloudy month. At Baltimore Airport weather station, the average daytime cloudiness was 68 percent for the month; the long-term average is but 48 percent. January, with its 70 percent average, was the only month this year to be cloudier than October.

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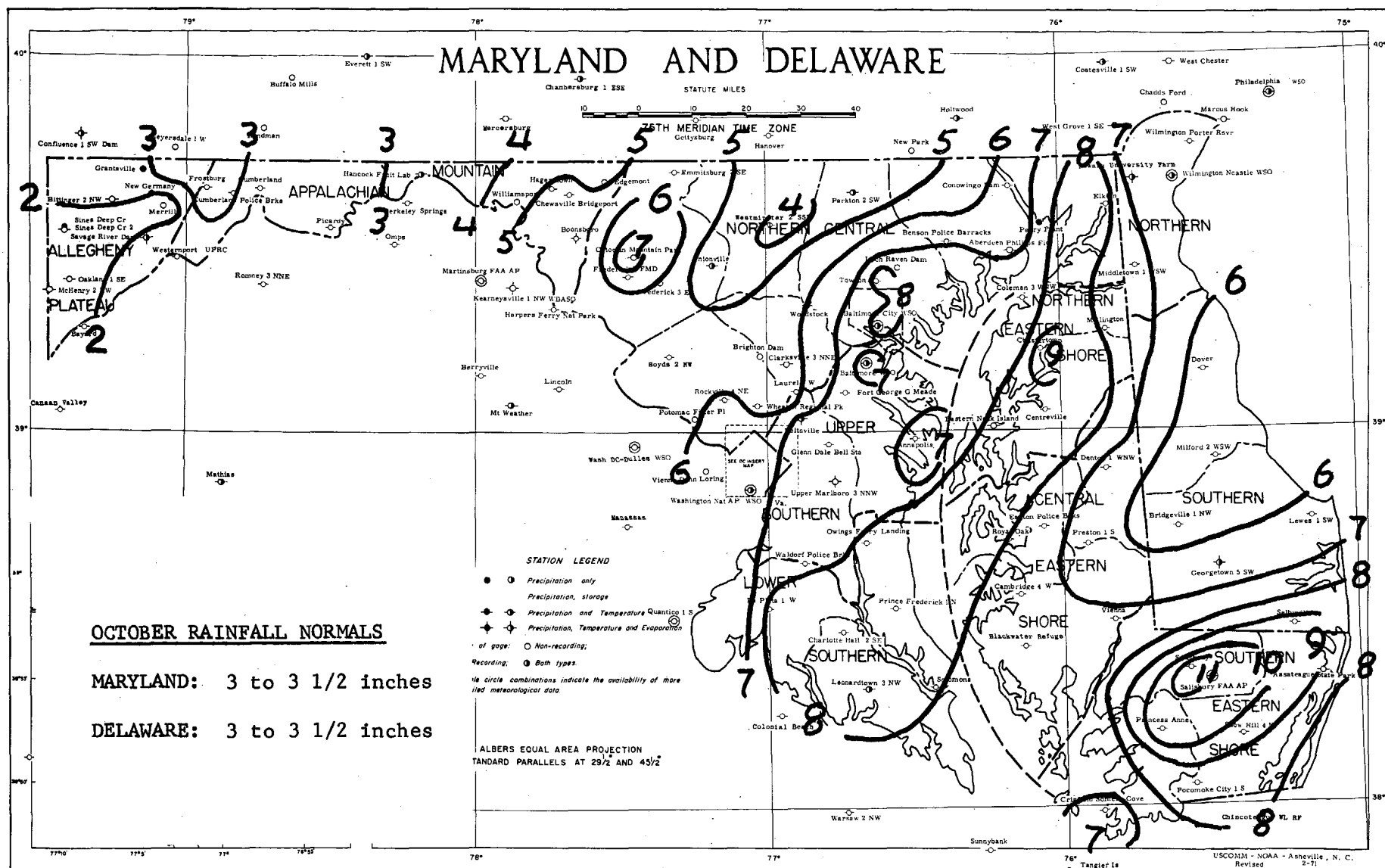


FIGURE 1 - OCTOBER 1971 RAINFALL (in Inches)

MARYLAND AND DELAWARE
OCTOBER 1971

See reference notes following Station Index.

DAILY PRECIPITATION

Continued

MARYLAND AND DELAWARE
OCTOBER 1971

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	
DELAWARE																																	
* * *																																	
NORTHERN 01																																	
MIDDLETOWN 1 WSW	7.60	.05	.93	.03		.25				3.08	.06							T						2.20	.15	.80				.05	T	.	
NEWARK UNIVERSITY FARM	6.53	.01	.50							3.55	.12							T						1.26	.16	.85						.02	.
WILMGTN NCASTLE WSD	6.41	.02	.41		T	T				.08	3.66				T			T					T	.08	1.77	.08	.30					.01	.
WILMGTN PORTER RESVR	6.46		.42							T	4.18				T			T						1.60	.02	T						.24	.
* * *																																	
SOUTHERN 02																																	
BRIDGEVILLE 1 NW	5.76	.49	1.10	.01	T	.02	.08				1.05													.35	1.45	.09	.98				.12	.02	.
DOVER	5.35	T	.25			.08	.25				1.21	.11												T	2.30	.05	1.10						.
GEORGETOWN 5 SW	6.29	.15	.80	.31		.35					1.10	.31												.07	2.05	.98	.11				.06	.	
LEWES 1 SW	6.85	.04	.10			.67	.71			.05	1.59	.05												.90	1.14	.24	1.28		.04		.04	.	
MILFORD 2 WSW	5.40	.20	.36	.01		.03	.26				1.11	.12							T					.17	2.33	.04	.58				.16	.03	.
SELBYVILLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

SUPPLEMENTAL DATA

	Wind (Speed — m.p.h.)						Relative humidity averages- percent				Number of days with precipitation						Percent of Possible sunshine	Average sky cover sunrise to sunset	
	Resultant Direction	Resultant Speed	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	Standard of Time				Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over			Total
							EASTERN												
							01	07	13	19									
BALTIMORE WSO MD	4	2.4	7.6	24	E	24	86	89	72	77	2	2	4	3	1	1	13	33	6.8
WILMGTN NCASTLE WSO DEL	5	3.0	8.1	21++	26	11+	90	90	68	81	5	5	2	0	1	1	14	-	6.9

MARYLAND AND DELAWARE
OCTOBER 1971

See Reference Notes Following Station Index

Continued

DAILY TEMPERATURES

MARYLAND AND DELAWARE
OCTOBER 1971

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																																	
NATIONAL ARBORETUM D C	MAX	77	79	83	80	76	77	75	64	68	67	72	71	76	78	81	78	71	70	74	70	72	71	67	69	69	72	70	75	77	75	75	73.5
	MIN	64	67	61	62	62	58	50	41	50	57	47	43	53	57	50	55	52	44	45	54	46	52	58	58	62	61	52	56	53	56	65	54.6
SUITLAND	MAX	76	71	79	81	70	76	75	66	64	67	66	65	70	73	77	78	71	68	60	72	65	70	68	64	69	68	69	68	73	78	75	70.7
	MIN	64	65	66	62	62	58	49	42	44	52	43	44	47	54	50	50	55	50	48	49	49	51	55	60	61	61	59	56	55	57	58	53.9
U. S. SOLDIERS HOME DC	MAX	70	78	83	72	74	78	68	66	67	61	67	72	72	79	80	72	70	61	73	65	72	67	63	68	68	70	68	75	76	74	74	76.7
	MIN	64	68	65	62	64	59	50	44	53	52	43	52	52	53	56	55	57	53	52	55	54	55	59	62	62	59	56	61	55	60	65	56.7
UPPER MARLBOR 3 NNW	MAX	75	77	80	80	71	72	77	68	65	67	60	66	71	75	78	80	72	69	59	71	65	71	67	65	69	69	70	68	73	76	73	70.9
	MIN	59	62	65	62	59	59	47	39	43	58	43	41	43	49	47	49	55	49	43	50	45	49	54	62	64	62	54	55	52	55	61	52.8
* * *																																	
NORTHERN EASTERN SHORE 05																																	
CENTREVILLE	MAX	75	77	81	71	75	77	73	65	70	66	67	70	75	79	79	76	66	58	72	67	72	70	68	72	70	71	70	74	78	74	70	71.9
	MIN	57	67	66	60	60	54	50	42	46	58	49	45	46	55	59	49	51	52	46	56	50	49	58	61	64	61	58	60	54	56	64	54.9
CHESTERTOWN	MAX	72	74	80	69	74	73	67	65	68	63	65	69	74	78	79	73	66	58	73	65	71	71	68	72	69	73	72	73	77	72	69	70.8
	MIN	62	65	62	59	61	57	51	45	50	51	47	45	45	45	45	45	54	46	45	52	47	49	57	58	58	60	57	58	51	55	63	53.1
COLEMAN 3 NNW	MAX																																
	MIN																																
EASTERN NECK ISLAND	MAX	78	76	79	76	73	74	74	68	68	66	65	69	73	75	77	74	66	65	72	70	72	65	66	70	69	69	71	69	71	71	70	71.0
	MIN	70	69	67	61	65	66	57	51	54	58	47	49	51	61	54	54	57	54	54	48	50	53	60	55	64	62	59	59	57	56	69	57.8
MILLINGTON	MAX	74	75	80	69	73	76	68	66	70	65	65	70	75	79	79	72	67	58	65	69	73	70	68	73	70	72	73	75	81	78	70	71.5
	MIN	60	63	62	57	57	60	46	37	42	56	43	40	40	53	47	46	54	48	39	48	47	44	54	57	61	58	65	68	52	65	61	52.6
* * *																																	
NORTHERN CENTRAL 06																																	
ABERDEEN PHILLIPS FLD	MAX	71	71	81	68	72	77	71	61	68	64	65	67	75	77	78	71	68	64	72	64	69	69	68	69	66	72	69	71	73	70	67	69.9
	MIN	57	68	66	61	65	59	48	40	49	59	46	46	39	49	43	49	59	51	47	50	45	48	59	61	63	62	52	56	52	55	62	53.7
BALTIMORE CITY WSD	MAX	76	80	86	71	76	78	68	64	68	62	66	69	72	78	80	72	65	60	74	64	71	68	68	70	67	72	68	69	76	70	67	70.8
	MIN	71	73	69	68	67	58	48	44	54	52	48	51	51	60	57	56	54	49	52	58	52	54	60	60	64	62	58	60	57	61	65	57.8
BENSON POLICE BARRACKS	MAX	75	72	84	67	72	77	73	67	64	60	67	70	73	78	81	80	72	69	76	73	74	70	68	68	69	71	71	74	78	78	72	72.4
	MIN	57	65	65	58	61	59	49	42	46	48	44	43	44	54	49	47	55	46	46	50	47	44	57	58	62	60	52	57	52	53	62	52.6
BOYDS 2 NW	MAX	70	77	81	76	76	74	71	63	64	64	66	68	70	76	77	76	67	63	73	69	70	66	65	66	66	68	67	75	75	74	70	70.4
	MIN	60	64	65	59	63	57	49	39	47	54	40	42	49	55	50	51	56	45	45	52	44	51	58	58	63	59	50	53	52	58	64	53.3
CATOCTIN MOUNTAIN PARK	MAX	69	68	75	74	69	67	65	57	56	56	61	60	64	69	69	67	63	59	65	65	65	64	61	62	62	63	64	72	72	72	70	65.4
	MIN	57	60	64	57	61	56	49	39	47	47	41	45	44	49	54	54	52	43	45	50	43	50	55	54	58	57	49	54	56	56	61	51.8
CLARKSVILLE 3 NNE	MAX	74	75	81	77	74	75	72	65	64	64	66	69	72	78	78	72	68	63	72	63	71	65	66	66	66	70	67	75	75	73	71	70.5
	MIN	64	66	63	61	62	55	46	36	45	57	42	39	41	49	44	46	52	43	40	51	41	43	54	58	62	60	48	53	52	51	64	51.2
CONDWINGO DAM	MAX	72	73	81	67	72	77	66	65	67	63	66	69	74	76	76	70	68	59	73	60	69	67	69	69	66	70	66	69	76	71	66	69.3
	MIN	64	66	63	60	63	57	47	43	48	52	43	43	43	54	49	49	50	46	41	43	48	47	57	59	61	57	53	56	53	53	62	52.6
ELKTON	MAX	72	72	78	67	72	77	70	66	70	65	65	69	74	77	78	72	69	62	72	65	72	67	66	67	68	67	68	75	78	74	76	70.6
	MIN	63	65	65	59	59	60	46	36	40	57	44	40	41	52	47	45	57	49	42	54	45	45	55	55	58	67	62	54	55	52	61	52.5
EMMITSBURG 2 SE	MAX	74	73	84	78	75	73	68	65	61	60	66	65	68	76	78	70	65	62	73	66	70	67	67	65	65	70	66	79	76	73	69	70.0
	MIN	59	64	67	60	63	54	50	37	44	55	43	37	37	50	41	44	48	41	39	43	41	43	57	56	60	58	45	53	48	47	62	49.9
FREDERICK WFMD	MAX																																
	MIN																																
PARKTON 2 SW	MAX	69	72	81	65	73	74	66	63	62	58	64	66	71	76	76	71	65	62	72	60	70	64	66	65	64	70	65	74	76	72	65	68.3
	MIN	60	59	63	58	60	55	41	38	44	49	39	40	42	52	48	48	50	42	42	48	42	43	55	56	60	57	48	56	51	53	62	50.4
ROCKVILLE 4 NE	MAX	74	77	80	78	74	75	73	65	65	64	67	70	73	76	78	77	69	67	74	74	72	69	66	67	66	72	69	76	78	76	72	72.0
	MIN	61	65	64	60	61	54	46	36	45	50	40	40	45	52	46	45	55	45	41	58	42	46	56	59	62	60	48	52	49	53	64	51.6
TOWSON	MAX	74	71	82	77	72	75	73	64	65	65	65	68	71	77	78	76	69	64	73	69	69	65	66	68	68	72	70	73	76	73	68	70.8
	MIN	65	67	66	60	64	62	53	43	53	57	45	48	49	58	55	53	57	47	47	54	48	49	59	59	63	61	53	59	55	58	64	55.8
UNIONVILLE	MAX	71	74	80	74	74	73	66	61	62	61	64	66	70	74	74	66	66	65	71	70	68	65	66	66	66	69	65	71	75	73	68	68.8
	MIN	60	65	67	60	62	53	47	36	46	53	51	38	40	52	43	43	52	41	38	42	40	44	58	59	58	60	47	53	53	50	65	50.9
WESTMINSTER 2 SSE	MAX	70	75	82	72	76	72	63	63	62	60	64	65	71	75	76	70	66	62	73	61	71	65	65	65	64	68	66	75	76	73	66	68.8

Continued

DAILY TEMPERATURES

MARYLAND AND DELAWARE
OCTOBER 1971

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																																	
HANCOCK FRUIT LAB	MAX MIN	75 56	68 63	70 63	81 63	71 61	75 49	71 46	60 33	63 46	61 54	58 40	68 37	66 34	63 48	73 41	73 48	63 49	64 40	63 36	71 40	63 45	69 44	65 58	67 56	60 58	62 58	69 52	67 49	75 50	74 48	71 55	67.7 49.0
PICARDY	MAX MIN	70 51	68 63	79 62	73 62	72 61	73 55	63 49	63 33	60 47	56 51	69 42	70 41	67 35	76 50	77 44	66 48	64 51	63 45	70 36	65 51	72 45	67 51	63 58	62 56	63 58	71 56	72 51	78 49	75 48	76 49	70 57	68.8 50.2
WESTERNPORT UPRC	MAX MIN	72 66	71 65	79 62	79 62	77 60	71 49	67 41	64 35	62 47	59 51	68 45	69 39	66 37	74 49	77 40	74 49	66 57	65 52	71 37	65 48	70 47	62 49	64 55	59 56	64 58	65 57	75 55	77 51	76 48	78 49	72 54	69.6 50.6
* * *																																	
ALLEGHENY PLATEAU 08																																	
BITTINGER 2 NW	MAX MIN	65 55	63 60	70 61	73 56	67 55	60 50	53 42	55 31	60 43	51 41	57 37	56 32	65 38	63 48	68 43	61 50	59 51	59 44	67 39	58 48	64 44	55 48	56 54	56 52	59 53	56 50	66 48	70 47	68 51	73 48	71 51	62.1 47.4
MCHENRY 2 NW	MAX MIN	69 54	65 57	65 60	72 59	75 55	70 48	63 41	48 32	57 34	62 42	47 36	57 34	57 35	70 42	65 45	70 47	64 52	60 44	57 39	67 39	58 44	66 46	60 51	57 50	56 50	59 47	53 46	68 47	70 50	67 52	71 51	62.7 46.1
OAKLAND 1 SE	MAX MIN	69 58	65 61	75 61	75 55	70 57	64 49	55 46	62 30	63 43	55 43	60 39	62 34	70 32	67 44	72 35	63 44	59 46	61 53	68 36	63 47	67 46	64 49	58 55	57 53	61 52	58 50	74 48	76 41	72 40	74 46	65.6 46.2	
SAVAGE RIVER DAM	MAX MIN	73 60	67 61	69 63	78 60	76 59	73 50	66 49	54 33	60 33	61 45	54 45	63 36	62 35	64 35	68 40	74 40	62 49	62 50	62 37	69 36	60 47	68 47	59 52	61 55	59 55	63 55	60 53	68 47	76 46	71 45	74 50	65.7 47.4
* * *																																	
NORTHERN 01																																	
MIDDLETOWN 1 WSW	MAX MIN	76 64	72 65	79 66	70 60	73 59	76 62	72 49	65 41	70 46	68 59	65 47	69 43	74 45	78 55	79 48	73 50	73 57	66 50	73 44	68 54	70 48	70 48	69 57	68 60	70 61	72 60	69 56	75 60	76 52	72 65	68 62	71.6 54.6
NEWARK UNIVERSITY FARM	MAX MIN	75 63	73 65	80 65	71 58	72 59	75 61	73 48	66 39	69 45	67 57	65 43	68 42	70 42	76 53	78 50	76 48	70 58	63 49	72 44	70 55	72 46	70 46	69 55	67 57	66 60	72 60	70 53	75 59	78 52	76 52	71 61	71.5 53.1
WILMGTON NCATTLE WSD	MAX MIN	73 66	75 68	80 63	70 62	74 63	76 57	68 46	64 40	70 50	67 54	65 45	70 44	72 46	76 57	75 53	72 52	70 56	64 47	74 46	63 53	68 50	68 52	70 59	68 60	66 62	73 60	69 58	75 60	77 54	72 53	67 63	70.7 55.0
WILMGTON PORTER RESVR	MAX MIN	71 61	73 64	73 60	69 56	73 59	74 54	65 47	63 42	67 47	64 50	64 44	67 46	70 46	76 56	76 49	72 49	66 54	62 47	71 49	62 54	68 51	68 46	68 55	65 55	64 59	71 60	67 55	75 61	76 54	76 56	65 59	69.1 53.1
* * *																																	
SOUTHERN 02																																	
BRIDGEVILLE 1 NW	MAX MIN	77 67	84 67	77 66	71 60	76 56	78 64	70 49	65 39	68 45	67 59	65 45	70 42	75 46	80 57	79 51	73 48	67 59	62 50	67 48	66 56	72 53	73 52	65 59	73 61	73 63	68 62	73 60	76 62	75 54	69 57	72 64	71.9 55.5
DOVER	MAX MIN	77 66	79 69	79 66	71 61	75 60	77 64	75 51	66 45	68 48	67 48	65 48	69 44	74 48	78 58	77 51	76 51	69 60	65 52	77 51	71 51	68 53	68 52	73 61	69 59	70 63	70 62	70 60	75 63	77 55	77 57	75 56	72.5 55.9
GEORGETOWN 5 SW	MAX MIN	75 66	78 70	83 67	71 62	71 57	76 62	77 48	67 37	65 44	69 54	69 45	64 41	70 45	73 52	79 52	78 48	72 50	67 54	67 49	65 56	66 53	70 51	72 55	68 61	75 63	69 63	67 61	72 61	70 61	75 65	68 58	71.0 54.9
LEWES 1 SW	MAX MIN	77 69	80 67	72 65	69 64	77 60	78 59	68 50	65 42	69 47	69 53	68 47	71 46	73 47	79 59	73 52	67 57	66 61	63 52	64 56	65 59	66 52	69 49	65 60	74 63	68 63	66 62	67 62	68 60	72 57	68 57	68 63	69.8 56.8
MILFORD 2 WSW	MAX MIN	74 67	83 69	77 67	71 60	77 57	79 62	71 48	65 37	69 48	68 59	65 43	70 40	75 43	80 55	79 48	67 49	64 57	64 50	66 49	66 57	70 48	68 48	65 59	70 59	70 62	69 61	70 59	75 61	76 54	72 55	68 62	71.5 54.6
SELBYVILLE		MAX MIN																															

See Reference Notes Following Station Index

EVAPORATION AND WIND

MARYLAND AND DELAWARE
OCTOBER 1971

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	.16	-	.14	.35	.11	-	.24	.20	.12	-	.22	.18	.16	.09	.09	.08	.09	.08	.04	.19	.04	.10	.09	-	.13	-	.17	.06	.07	.08	.02	3.938
	WIND	85	115	78	75	40	12	70	95	28	41	102	37	43	37	13	12	15	34	36	69	43	24	31	106	31	107	44	11	14	21	20	1509
	MAX	74	80	74	82	72	73	75	74	66	61	64	68	70	73	77	79	70	72	60	71	64	72	68	68	72	67	68	66	74	75	72	71.0
	MIN	63	64	66	64	64	64	55	46	49	44	46	34	50	52	56	55	59	49	48	48	51	51	55	55	62	60	57	57	57	56	60	54.7
UPPER MARLBORD 3 NNW	EVAP	.06	.06	.06	.12	.09	.07	.16	.13	.11	-	.10	.21	.10	.09	.06	.10	.06	.08	.05	.14	.05	.07	.01	.06	.13	-	.05	.02	.04	.06	.03	2.538
	WIND	74	74	76	41	19	12	30	37	27	36	36	48	18	30	11	10	10	48	36	56	37	14	20	76	24	42	34	11	5	12	8	1012
	MAX	73	76	79	83	74	76	79	72	70	61	61	69	71	72	80	82	71	68	59	70	65	73	73	62	67	67	70	66	74	78	73	71.4
	MIN	62	64	64	63	62	62	55	47	47	55	46	46	48	52	57	55	56	52	46	46	45	50	55	60	61	62	58	58	57	57	61	55.1
ALLEGHENY PLATEAU 08																																	
* * *																																	
SAVAGE RIVER DAM	EVAP	.00	.08	*	.05	.10	.06	.01	.14	.09	.04	.07	.13	*	.16	.08	.05	.02	.06	.08	.08	.06	.08	.00	.07	*	.04	.01	.03	.16	.00	.06	1.81
	MAX	72	65	68	80	76	73	67	55	64	62	55	62	63	61	69	70	61	63	63	68	61	72	61	57	61	60	60	66	73	65	65	65.1
	MIN	52	62	65	65	63	57	52	40	39	60	53	45	42	52	45	45	53	54	42	42	51	51	55	50	56	56	55	52	51	54	53	52.0
DELAWARE																																	
* * *																																	
SOUTHERN	02																																
GEORGETOWN 5 SW	EVAP	.11	.07	.26	.10	.11	.12	.17	.14	-	-	.09	.07	-	-	.12	.16	.04	.13	.06	.10	.12	.10	.21	-	-	.07	.14	*	.09	-	-	-
	WIND	149	89	85	124	32	59	41	61	32	67	84	83	27	56	34	18	21	113	99	134	76	29	32	109	50	68	52	22	6	18	10	1880

See Reference Notes Following Station Index

STATION INDEX

MARYLAND AND DELAWARE
OCTOBER 1971

STATION	INDEX NO.	DIVISION	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER
								TEMP.	PRECIP.	EVAP.	SPECIAL	
MARYLAND												
ABERDEEN PHILLIPS FLD	0015	04	HARTFORD	1	39 28	76 10	57	59	59			ROSS AVIATION INC.
ANNAPOLIS USN ACADEMY	0185	04	ANNE ARUNDEL	1	39 28	76 29	5	59	59			US NAVAL ACADEMY
ASSATEAGUE STATE PARK	0335	01	WORCESTER	2	39 14	75 08	7	67	67			ASSATEAGUE STATE PARK
BALTIMORE WSO	0465	04	ANNE ARUNDEL	1	39 28	76 29	5	59	59			NATL WEATHER SERVICE
BELTSVILLE	0700	04	PRIN. GEORGES	3	39 22	76 55	120	64	84			CHESTER H. GORDON
BELTSVILLE PLANT STA 5	0705	04	PRIN. GEORGES	3	39 22	76 55	120	64	84			USDA PLANT IND. STA.
BRADDOCK	0470	04	BALTO CITY	1	39 17	76 37	14	61	61			MD. STATE POLICE
BRENNAN POLICE BARRACKS	0792	04	HARTFORD	1	39 28	76 29	5	59	59			ELBERT E. BUCKEL
BITTINGER 2 NW	0881	08	GARRETT	3	39 37	79 18	2700	78	78			NAT. WILDLIFE REFUGE
BLACKWATER REFUGE	0915	02	DORCHESTER	1	38 26	76 08	5	59	59			J. HOWARD BECKENBAUGH
BODYSBURD	0986	07	WASHINGTON	4	39 31	77 39	738	67	67			HUNTER P. STALEY
BOYDS 2 NW	1032	06	MONTGOMERY	5	39 13	77 20	580	67	67			WASH. SUB. SANY. COMM.
BRIGHTON DAM	1125	06	MONTGOMERY	5	39 12	77 01	380	67	67			R. FRANCIS DANIEL
BRIDGDALE	1170	06	MONTGOMERY	5	38 57	77 03	260	70	70			D. ARCY MC R. HARDING
CAMBRIDGE NW	1385	02	DORCHESTER	1	38 34	76 09	9	67	67			CATCOTT MOUNTAIN PARK
CATCOTT MOUNTAIN PARK	1390	04	FREDERICK	6	39 39	77 29	1515	49	49			HARTON G. LEIBY
CENTREVILLE	1627	05	QUEEN ANNES	1	39 03	76 03	40	67	67			MRS. SUSAN N. CARRICO
CHARLOTTE HALL 2 SE	1686	03	ST. MARYS	4	38 28	76 46	104	59	59			T. M. ELIASON JR.
CHESTERTOWN	1750	05	KENT	3	39 13	76 04	45	119	119			LANSON H. WOLFINGER
CHESSVILLE BRIDGEPORT	1790	07	WASHINGTON	4	39 39	77 40	560	67	67			UNIVERSITY OF MARYLAND
CLARKSVILLE 3 NNE	1862	02	HOWARD	4	39 15	76 56	265	59	59			UNIVERSITY OF MARYLAND
COLEMAN 3 NW	1900	02	KENT	1	39 21	76 08	78	67	67			DALECARIA RESVR D C
COLLEGE PARK	1995	04	PRIN. GEORGES	3	38 59	76 57	99	59	59			NATIONAL ARBORETUM D C
CONQUINGO DAM	2060	04	HARTFORD	1	39 39	76 10	40	67	67			U. S. SOLDIERS HOME D C
CRISFIELD SOMERS COVE	2215	01	SOMERSET	1	37 59	75 52	8	59	59			DELAWARE
CUMBERLAND	2280	07	ALLEGANY	3	39 39	78 45	900	67	74			BRIDGEVILLE 1 NW
CUMBERLAND POLICE BRKS	2285	07	ALLEGANY	3	39 38	78 50	970	59	59			DOVER
DENTON 1 WNW	2523	02	CAROLINE	1	38 54	75 51	40	67	67			GEORGETOWN 3 SW
EASTERN NECK ISLAND	2691	05	KENT	3	39 01	76 14	25	59	59			LEWES 1 SW
EASTON POLICE BARRACKS	2700	02	TALBOT	1	38 45	76 04	40	59	59			MIDDLETON 1 WSW
EDGEWENT	2770	07	WASHINGTON	4	39 40	77 33	905	74	74			MILFORD 2 WSW
ELKTON	2860	04	CECIL	1	39 37	75 50	40	67	67			NEWMARK UNIVERSITY FARM
EMMITTSBURG 2 SE	2900	04	FREDERICK	6	39 41	77 18	410	59	59			SELYVILLE
FEDERALSBURG	3070	02	CAROLINE	1	38 41	76 40	25	59	59			WILMINGTON NCATTLE WSO
FORT GEORGE G MEADE	3230	04	ANNE ARUNDEL	1	39 06	76 45	140	59	59			WILMINGTON PORTER RESVR
FREDERICK WFO	3350	06	FREDERICK	6	39 25	77 28	435	67	67			CLOSED STATIONS
FREDERICK 3 E	3355	06	FREDERICK	6	39 24	77 22	385	67	67			MARYLAND
FROSTBURG	3410	07	ALLEGANY	3	39 39	78 36	2140	59	59			GRANTSVILLE
GLENN DALE BELL STA	3675	04	PRIN. GEORGES	3	39 38	76 08	150	49	49			DELAWARE
GRANTSVILLE	3775	08	GARRETT	3	39 42	79 09	2380					
HAGERSTOWN	3975	07	WASHINGTON	4	39 39	77 44	660	67	67			
HANCOCK FRUIT LAB	4030	07	WASHINGTON	4	39 42	78 11	420	67	67			
LA PLATA 1 W	5080	02	CHARLES	2	38 32	77 00	140	59	59			
LAUREL 1 W	5110	04	PRIN. GEORGES	3	39 06	76 54	400	59	74			
LEONARDTOWN 3 NW	5201	03	ST. MARYS	3	38 19	76 40	110	59	59			
LOCH RAVEN DAM	5340	06	BALTIMORE	1	39 20	76 33	190	59	59			
MCHENRY 2 NW	5832	08	GARRETT	3	39 18	78 22	2600	84	84			
MERRILL	5894	08	GARRETT	3	39 36	79 03	1790	67	67			
MILLINGTON	5985	05	KENT	3	39 10	75 51	30	67	67			
NEW GERMANY	6408	08	GARRETT	3	39 38	79 07	2390					
OWLAND 1 SE	6620	08	GARRETT	3	39 24	79 24	2420	59	59			
OWINGS FERRY CANDING	6770	03	CALVERT	4	38 41	76 40	100	59	59			
PARKTON 2 SW	6844	06	BALTIMORE	1	39 38	76 42	600	119	119			
PERRY POINT	6980	06	CECIL	1	39 39	76 04	40					
PICARDY	7010	07	ALLEGANY	3	39 33	78 31	1030	67	67			
POTOMAC CITY	7140	01	WORCESTER	2	39 04	75 33	20	59	59			
POTOMAC FILTER PLANT	7272	06	MONTGOMERY	5	39 02	77 15	270	67	67			
PRESTON 1 S	7320	02	CAROLINE	1	38 42	75 55	50	67	67			
PRINCE FREDERICK 1 N	7325	03	CALVERT	1	38 39	76 35	138	59	59			
PRINCESS ANNE	7330	01	SOMERSET	1	38 13	75 41	20	59	59			
ROCKVILLE 4 NE	7705	04	MONTGOMERY	5	39 07	77 06	320	59	59			WILLIAM R. HOPPER
ROYAL OAK	7804	02	TALBOT	1	38 43	76 11	10	67	67			J. L. SWAINE JR.
SALISBURY	8000	01	WICOMICO	1	38 22	75 35	10	59	59			CITY OF SALISBURY
SALISBURY FAA AIRPORT	8005	01	WICOMICO	1	38 20	75 30	48	67	67			FED. AVIATION AGENCY
SAVAGE RIVER DAM	8005	08	GARRETT	3	39 31	79 08	1495	64	64			U. S. CORPS OF ENGINEERS
SINES DEEP CREEK	8315	08	GARRETT	3	39 32	79 25	2040					PA. ELECTRIC CO.
SNOW HILL 4 N	8380	01	WORCESTER	1	38 14	75 23	28	67	67			CURTIS E. SHOCKLEY
SOLDIERS	8405	03	CALVERT	1	38 10	76 27	12	67	67			CHESAPEAKE BIDL. LAB.
SUTLAND	8656	04	PRIN. GEORGES	3	38 51	76 36	270	67	67			EUGENE H. BROWN
TONGON	8777	06	BALTIMORE	5	39 23	76 34	390	67	67			HENDIX FRIEZ
UNIONVILLE	9030	06	FREDERICK	6	39 27	77 11	430	67	67			C. P. VAN RIPP, JR.
UPPER MARLBORO 3 NNE	9070	04	PRIN. GEORGES	3	38 52	76 47	98	67	67			TOBACCO EXP. FARM
VIENNA	9140	02	DORCHESTER	1	38 29	75 50	12	67	67			DELHARVA POWER & LIGHT
WALDORE POLICE BRKS	9185	03	CHARLES	2	38 39	76 53	210	59	59			MD. STATE POLICE
WESTERPORT UPRC	9409	07	ALLEGANY	3	39 29	76 03	950	67	67			UPPER POTOMAC RIVER COM.
WESTMINSTER 2 SSE	9435	06	CARROLL	1	39 33	76 39	810	67	74			L. EUGENE PURDON
WHEATON REGIONAL PARK	9508	06	MONTGOMERY	5	39 04	77 02	350	59	59			PARK & PLANNING COMM.
WILLIAMSPORT	9570	07	WASHINGTON	4	39 37	77 51	380	74	74			HAGERSTOWN MTR. PLANT
WOODSTOCK	9750	04	BALTIMORE	5	39 20	76 32	415	67	67			WOODSTOCK COLLEGE
DISTRICT OF COLUMBIA												
DALECARIA RESVR D C	2325	04			38 56	77 07	146	59	59			CORPS OF ENGINEERS
NATIONAL ARBORETUM D C	6350	04			38 54	76 58	50	49	49			U. S. NAT. ARBORETUM
U. S. SOLDIERS HOME D C	9035	04			38 58	77 01	230	67	67			U. S. SOLDIERS HOME
DELAWARE												
BRIDGEVILLE 1 NW	1330	02	SUSSEX	1	38 45	75 37	50	59	59			WILLIAM RAY
DOVER	2740	02	KENT	2	39 09	75 31	30	59	59			STATE HIGHWAY DEPT.
GEORGETOWN 3 SW	3570	02	SUSSEX	1	38 38	75 27	45	64	64			UNIT. AGRI. EXP. STA.
LEWES 1 SW	5320	02	SUSSEX	1	38 46	75 09	20	67	67			FREDERICK O. WOOD
MIDDLETON 1 WSW	5852	01	NEW CASTLE	2	39 26	75 45	00	49	49			PIONEER HIRED CORN CO.
MILFORD 2 WSW	5915	02	SUSSEX	1	38 34	75 28	30	59	59			MRS. BERNARD FRANKEL
NEWMARK UNIVERSITY FARM	6410	01	NEW CASTLE	2	39 40	75 44	00	67	67			UNIV. OF DELAWARE
SELYVILLE	6268	02	SUSSEX	1	38 28	75 13	30	59	59			L. MARIE LONG
WILMINGTON NCATTLE WSO	9595	01	NEW CASTLE	2	39 40	75 30	74	67	67			NATL. WEATHER SERVICE
WILMINGTON PORTER RESVR	9605	01	NEW CASTLE	2	39 46	75 32	274	67	67			WATER DEPARTMENT
CLOSED STATIONS												
MARYLAND												
GRANTSVILLE	3795	08	GARRETT	3	39 42	79 09	2380					CLOSED 9/30/71
DELAWARE												
ROCKVILLE 4 NE	7705	04	MONTGOMERY	5	39 07	77 06	320	59	59			WILLIAM R. HOPPER
ROYAL OAK	7804	02	TALBOT	1	38 43	76 11	10	67	67			J. L. SWAINE JR.
SALISBURY	8000	01	WICOMICO	1	38 22	75 35	10	59	59			CITY OF SALISBURY
SALISBURY FAA AIRPORT	8005	01	WICOMICO	1	38 20	75 30	48	67	67			FED. AVIATION AGENCY
SAVAGE RIVER DAM	8005	08	GARRETT	3	39 31	79 08	1495	64	64			U. S. CORPS OF ENGINEERS
SINES DEEP CREEK	8315	08	GARRETT	3	39 32	79 25	2040					PA. ELECTRIC CO.
SNOW HILL 4 N	8380	01	WORCESTER	1	38 14	75 23	28	67	67			CURTIS E. SHOCKLEY
SOLDIERS	8405	03	CALVERT	1	38 10	76 27	12	67	67			CHESAPEAKE BIDL. LAB.
SUTLAND	8656	04	PRIN. GEORGES	3	38 51	76 36	270	67	67			EUGENE H. BROWN
TONGON	8777	06	BALTIMORE	5	39 23	76 34	390	67	67			HENDIX FRIEZ
UNIONVILLE	9030	06	FREDERICK	6	39 27	77 11	430	67	67			C. P. VAN RIPP, JR.
UPPER MARLBORO 3 NNE	9070	04	PRIN. GEORGES	3	38 52	76 47	98	67	67			TOBACCO EXP. FARM
VIENNA	9140	02	DORCHESTER	1	38 29	75 50	12	67	67			DELHARVA POWER & LIGHT
WALDORE POLICE BRKS	9185	03	CHARLES	2	38 39	76 53	210	59	59			MD. STATE POLICE
WESTERPORT UPRC	9409	07	ALLEGANY	3	39 29	76 03	950	67	67			UPPER POTOMAC RIVER COM.
WESTMINSTER 2 SSE	9435	06	CARROLL	1	39 33	76 39	810	67	74			L. EUGENE PURDON
WHEATON REGIONAL PARK	9508	06	MONTGOMERY	5								

REFERENCE NOTES

MARYLAND AND DELAWARE
OCTOBER 1971

Additional information regarding the climate of Maryland and Delaware may be obtained by writing to the National Oceanic and Atmospheric Administration State Climatologist, Room 101, Jull Hall, University of Maryland, College Park, Maryland 20742, or to any Weather Service Office near you. Additional precipitation data are contained in "HOURLY PRECIPITATION DATA MARYLAND AND DELAWARE."

DIMENSIONAL UNITS: Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F. In "Supplemental Data" table directions entered in figures are tens of degrees. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations.

OBSERVATION TIME: The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time. Snow on the ground in the "Snowfall and Snow on Ground" table is at observation time for all except Weather Service Offices 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 Service-type pan of 4-foot diameter unless otherwise shown by footnote following the Evaporation and Wind Table. Max and Min values in the Evaporation and Wind table are extremes of temperature of water in pan as recorded during 24 hours ending at time of observation. Wind is the total wind movement in miles over the evaporation pan as determined by a continuous anemometer recorder located 6-8 inches above the pan.

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. Time of observation 1:00 p.m., e.s.t.

SNOWFALL: Entries of snowfall in the "Monthly Summarized 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.

LATE REPORTS 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 "Monthly Summarized Data" table and the "Daily Temperature" table is indicated by no entry.

+ And also on an earlier date or dates.

++ Highest observed one minute windspeed. This station is not equipped with an instrument to measure fastest mile data.

* Amount included in following measurement, time distribution unknown.

// Gage is equipped with a windshield.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

T Trace, an amount too small to measure.

V Includes total for previous month.

IN THE STATION INDEX THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING:

AR This entry in time of observation column in Station Index means after rain.

C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in the "Hourly Precipitation Data" bulletin. If daily amounts are published in "Climatological Data" bulletin they are from a separate non-recording gage, except where indicated by reference 'R'. Such amounts may differ from amounts published from the recording gage in the "Hourly Precipitation Data" bulletin.

G "Soil Temperature" table.

H "Snowfall and Snow on Ground" table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.

J "Supplemental Data" table.

S Storage precipitation station. Precipitation measurements, made at irregular intervals will be published later in "Precipitation Data from Storage-Gage Stations" Bulletin.

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 tables with no data 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, 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 this State, price 25 cents. Similar information for regular National Weather Service Offices 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.

I certify that this is an official publication of the National Oceanic and Atmospheric Administration, and is compiled from records on file at the National Climatic Center, Asheville, North Carolina 28801.

William H. Haggard
Director, National Climatic Center

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