



CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

U.S. DEPARTMENT OF COMMERCE

ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

MARCH 1970

Volume 74 No. 3

CLIMATOLOGICAL 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					
										Above 60°	60° to 69°	70° to 79°	80° or above					Total	Max. Depth on Ground	Date	10 or More .50 or More	100 or More				
MARYLAND																										
* * * SOUTHERN EASTERN SHORE 01																										
ASSATEAGUE STATE PARK	48.2	34.5	41.4		64	26	20	17	726	0	0	8	0	3.88		1.63	29	T	0		7	1	1			
CRISFIELD SOMERS COVE	49.9	35.8	42.9	- 3.6	65	26	25	1	681	0	0	6	0	3.36		1.66	29	T	0		11	2	0			
POCOMOKE CITY 1 S	51.4	30.9M	41.2M		66	26	17	1	713	0	0	0	0	4.58	-.65	.77	18	T	0		10	4	0			
PRINCESS ANNE	50.8	30.6	40.7		71	26	12	1	743	0	0	17	0	2.92		1.02	29	T	0		8	1	1			
SALISBURY	51.6	33.4	42.5		71	26	21	1	691	0	0	11	0	4.38	.25	1.70	29	T	0		10	1	1			
SALISBURY FAA AIRPORT	49.1	31.3	40.2		70	26	16	1	761	0	0	21	0	4.09		1.61	29	T	0		9	1	1			
SNOW HILL 4 N	49.4	32.5	41.0	- 3.7	66	26	19	1	738	0	0	15	0	3.79	-.83	.88	29	T	0		10	3	0			
DIVISION			41.4	- 3.6										3.86	-.28			T								
* * * CENTRAL EASTERN SHORE 02																										
BLACKWATER REFUGE	50.5	32.9	41.7		66	26	20	1	718	0	0	13	0	3.91		1.07	29	T	0		9	3	1			
CAMBRIDGE 4 W	49.0	32.1	40.6		69	26	19	15	751	0	0	13	0	4.45		1.03	29	T	0		10	3	1			
DENTON 1 WNW	48.5M	30.5M	39.5M		70	26	19	1	784	0	0	0	0	3.80		.92	29	T	0		10	2	0			
EASTON POLICE BARRACKS	50.3	32.8	41.6	- 2.7	63	27+	22	17	721	0	0	11	0	4.22	.27	.98	29	T	0		10	2	0			
PRESTON 1 S	49.4	32.1	40.8		70	26	21	1	743	0	0	15	0	4.35		.95	27	T	0		10	2	0			
ROYAL OAK	49.6	32.9	41.3		68	26	20	1	730	0	0	11	0	4.60		.91	29	T	0		9	4	0			
VIENNA	51.5	33.9	42.7		70	26	22	1	681	0	0	11	0	4.33		1.24	29	T	0		10	3	1			
DIVISION			41.2	- 3.1										4.24	.34			T								
* * * LOWER SOUTHERN 03																										
CHARLOTTE HALL 2 SE	53.1	30.3	41.7		76	26	11	15	713	0	0	17	0	3.78		.70	29	T	0		10	3	0			
LA PLATA 1 W	52.3	31.0	41.7		74	26	17	15	720	0	0	14	0	3.80		.70	29	T	0		11	2	0			
LEONARDTOWN 3 NW	52.6	31.6	42.1		73	26	17	17	702	0	0	16	0	3.63		.84	27	T	0		9	4	0			
DWINGS FERRY LANDING	50.0	31.8	40.9	- 3.7	71	26	21	30	737	0	0	14	0	3.54	.05	.56	29	T	0		10	1	0			
PRINCE FREDERICK 1 N	50.7	30.9	40.8		70	26	16	1	742	0	0	15	0	3.56		.67	29	T	0		11	2	0			
SOLOMONS	48.8	35.0	41.9	- 3.4	64	28	25	15	708	0	0	9	0	4.34	.73	1.57	29	T	0		10	3	1			
WALDORF POLICE BRKS	53.7	30.6	42.2		74	26	16	15	699	0	0	14	0	4.26		.88	27	T	0		10	4	0			
DIVISION			41.6	- 3.2										3.84	.18			T								
* * * UPPER SOUTHERN 04																										
ANNAPOLIS																										
BALTIMORE WB AIRPORT R	49.1	31.7	40.4	- 2.7	73	26	20	1	752	0	0	14	0	3.07	-.75	.56	29	1.9	0		9	2	0			
BELTSVILLE	47.3	28.7	38.0		72	27	17	1	828	0	0	21	0	2.84		.36	30	T	0		12	0	0			
BELTSVILLE PLANT STA 5	47.3	30.1	38.7		71	27	19	17+	804	0	0	17	0	3.06		.35	29	T	0		12	0	0			
COLLEGE PARK	51.4	31.1	41.3	- 2.7	72	26	20	1	731	0	0	14	0	2.89	-.84	.53	29	T	0		9	2	0			
DALECARLIA RESV D C	51.5	30.9	41.2		72	26	19	15	731	0	0	18	0	2.99		.62	29	T	0		9	2	0			
FORT GEORGE G MEADE	50.6	30.2	40.4		72	26	16	1	752	0	0	19	0	3.51		.63	29	T	0		11	1	0			
GLENN DALE BELL STA	51.4	29.2	40.3	- 2.9	73	26	15	17+	757	0	0	18	0	3.28	-.56	.54	29	T	0		10	1	0			
LAUREL 3 W	49.9	31.7	40.8		70	26	22	16+	742	0	0	14	0	3.45		.51	30	T	0		10	1	0			
NATIONAL ARBRETUM D C	52.1	32.5	42.3		73	26	20	1	698	0	0	12	0	3.11		.61	29	T	0		9	2	0			
SUITLAND	47.8M	31.1	39.5M		71	27	22	17+	788	0	0	16	0	3.11		.40	31	T	0		11	0	0			
U. S. SOLDIERS HOME DC	49.9	32.4	41.2		72	26	23	30	733	0	0	15	0	3.15		.61	29	T	0		9	2	0			
UPPER MARLBOROUGH 3 NNW	47.8	29.8	38.8		73	27	17	15+	806	0	0	20	0	3.36		.40	30	T	0		13	0	0			
DIVISION			40.2	- 3.2										3.15	-.53			.2								
* * * NORTHERN EASTERN SHORE 05																										
CENTREVILLE	48.9	31.6	40.3		72	26	16	16	758	0	0	14	0	3.68		.95	29	T	0		9	2	0			
CHESTERTOWN	47.6	31.8	39.7		70	26	22	1	776	0	0	16	0	4.09		1.09	29	T	0		9	2	1			
COLEMAN 3 WNW	48.9M	31.5M	40.2M	- 1.0	72	26	22	1	762	0	0	0	0	4.39	.53	1.05	29	T	0		12	2	1			
EASTERN NECK ISLAND	48.0	35.5	40.8		67	26	26	10+	746	0	0	10	0	4.33		1.02	29	T	0		9	3	1			
HILLINGTON	48.9	29.4	39.2	- 4.2	72	26	15	1	797	0	0	18	0	3.33	-.53	1.10	29	T	0		9	1	1			
DIVISION			40.0	- 2.8										3.96	.07			T								
* * * NORTHERN CENTRAL 06																										
ABERDEEN PHILLIPS FLD R	48.4	30.1	39.3		69	26	17	1	792	0	0	22	0	3.19		.92	29	T	0		9	2	0			
BALTIMORE WB CITY	49.1	35.0	42.1	- 2.6	68	26	26	30	705	0	0	9	0	3.48	-.46	.67	29	T	0		9	3	0			
BENSON POLICE BARRACKS	49.2	29.1	39.2		68	26	19	10+	795	0	0	21	0	4.00		.61	29	T	0		9	2	0			
BOYDS 2 NW	48.3	29.7	39.0		70	26	18	16	798	0	0	21	0	3.50		1.25	29	2.0	1	18	9	2	0			
CATCTIN MOUNTAIN PARK	43.1M	23.9M	34.5M		62	26	12	30	936	0	0	0	0	4.69				11.5	7	18	8	3	1			
CLARKSVILLE 3 NNE	49.8	27.4	38.6		70	26	13	1	810	0	0	22	0	3.64		.72	29	T	0		10	1	0			
CODDINGO DAM	46.1M	28.7M	37.4M		69	26	19	30	847	0	0	0	0	3.56		.88	29	T	0		8	3	0			
ELKTON	48.8	28.3	38.6	- 3.5	72	26	15	1	813	0	0	22	0	3.33	-.86	.90	29	T	0		8	2	0			
EMMITTSBURG 2 SE	47.1	25.9	36.5		68	26	10	30	874	0	0	28	0	4.34		.84	29	5.5	3	18	10	3	0			
FREDERICK WFND																										
PARKTON 2 SW	44.2	27.3	35.8		65	26	17	30+	900	0	0	28	0	3.49		.74	29	4.5	2	18	9	2	0			
ROCKVILLE																										

See Reference Notes Following Station Index
SPECIAL WEATHER SUMMARY ON PAGE 28

CLIMATOLOGICAL DATA

Continued

MARYLAND AND DELAWARE
MARCH 1970

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	100 or More				
										30° or Above	30° or Below	32° or Below	0° or Below														
TOWSON	48.4	29.3	38.9		63	2	21	30+	803	0	0	22	0	4.11	-.02	.85	29	T	T	18	11	3	0				
UNIONVILLE	46.8	25.9	36.4		70	26	7	30	882	0	0	25	0	3.26		.70	29	1.5	1	29	9	1	0				
WESTMINSTER 2 SSE	45.0	27.6	36.4	- 4.9	68	26	16	1	879	0	0	25	0	3.86	-.19	.68	30	5.3	2	18	11	1	0				
WHEATON REGIONAL PARK	49.2	28.3	38.8		68	27+	16	1	809	0	0	22	0	2.79		.54	29	2.2	1	18	11	1	0				
WOODSTOCK	46.4	28.3	37.4	- 4.4	69	26	15	1	851	0	0	21	0	3.66	.04	.62	29	T	T	29+	10	1	0				
DIVISION			37.9	- 3.9										3.66	-.20			2.3									
* * *																											
APPALACHIAN MOUNTAIN 07																											
BOONSBORO	46.4M	30.4M	38.4M		67	26	15	30	817	0	0	18	0	4.20		.96	29	5.2	3	29	11	3	0				
CHEWSVILLE BRIDGEPORT	47.4	30.1	38.8	- 1.8	68	28	12	30	809	0	0	19	0	3.94	.86	1.15	29	4.5	3	29	9	3	0				
CUMBERLAND	48.1	28.1	38.1		64	28	15	30	824	0	0	25	0	4.44		.95	30	17.0	8	30	10	3	0				
CUMBERLAND POLICE BRKS	47.5	28.5	38.0		62	29+	10	30	828	0	0	22	0	3.69		.80	29	12.0	8	29	10	3	0				
FROSTBURG	42.2	26.4	34.3	- 3.8	58	28	12	15	944	0	4	28	0	5.53	1.58	1.21	29	24.4	10	29	11	5	1				
HAGERSTOWN	46.9	28.7	37.8		68	26	13	30+	833	0	0	20	0	3.94		.68	29	5.0	1	29+	10	3	0				
HANCOCK FRUIT LAB	44.4	27.3	35.9		67	27	4	30	896	0	1	22	0	3.87	.43	.72	30	10.3	6	30	12	1	0				
PICARDY	46.2	28.5	37.4		68	26	12	30	850	0	0	23	0	4.91		1.71	29	17.0	8	29	12	2	1				
WESTERNPORT UPRC					64	26	15	30		0	0		0	4.15				6.8	4	29							
DIVISION			37.3	- 3.6										4.30	.79			11.4									
* * *																											
ALLEGHENY PLATEAU 08																											
BITTINGER 2 NW	38.1	23.3	30.7		54	26	7	17	1057	0	8	30	0	4.71		.75	29	29.7	11	1	12	4	0				
OAKLAND 1 SE	40.3	24.3	32.3	- 3.8	58	26	1	17	1006	0	4	27	0	5.17	.62	.88	29	34.4	7	29	12	3	0				
SAVAGE RIVER DAM	41.1	25.7	33.4		64	27	12	17	973	0	4	29	0	5.02		.71	30+				11	5	0				
SINES DEEP CREEK 2																											
DIVISION			32.1	- 3.0										4.97	.66			32.1									
DELAWARE																											
* * *																											
NORTHERN 01																											
MIDDLETOWN 1 WSW	49.8	30.0	39.9		72	26	19	1	768	0	0	18	0	3.69		.98	29	.0	0		11	2	1				
NEWARK UNIVERSITY FARM	48.2	29.6	38.9		66	27+	17	1	802	0	0	21	0	3.20		.85	29	T	T	29	10	1	0				
WILMGTN NCASTLE WB AP	47.0	30.7	38.9	- 2.4	65	26	20	1	803	0	0	15	0	3.61	-.41	1.18	29	.4	T	31+	8	2	1				
WILMGTN PORTER RESVR	44.6	29.0	36.8		62	26	20	10+	864	0	0	23	0	4.38	.37	1.16	29	T	0		8	5	1				
DIVISION			38.6	- 3.1										3.72	-.23			.1									
* * *																											
SOUTHERN 02																											
BRIDGEVILLE 1 NW	49.1	30.2	39.7	- 3.9	70	26	20	17+	779	0	0	20	0	4.41	.43	1.40	29	T	0		11	2	1				
DOVER	48.8	31.5	40.2	- 3.5	71	26	21	1	762	0	0	16	0	3.60	-.52	1.15	29	T	0		8	2	1				
GEORGETOWN 5 SW	48.1	30.3	39.2		70	27	17	1	790	0	0	20	0	4.17		1.38	29	.0	0		9	2	1				
LEWES 1 SW	48.3	31.4	39.9		68	26	22	15	775	0	0	21	0	4.68		1.67	29	T	0		8	2	1				
MILFORD 2 WSW	50.1	31.7	40.9		72	26	18	1	737	0	0	17	0	4.38		1.32	29	T	T	29	13	3	1				
SELBYVILLE	50.4	32.1	41.3		65	26	18	1	729	0	0	17	0	4.89		2.36	29	.0	0		11	1	1				
DIVISION			40.2	- 3.6										4.36	.17			T									

TEMPERATURE AND PRECIPITATION EXTREMES

HIGHEST TEMPERATURE, 76° ON THE 26TH AT CHARLOTTE HALL 2 SE, MD

LOWEST TEMPERATURE, 1° ON THE 17TH AT OAKLAND 1 SE, MD.

GREATEST TOTAL PRECIPITATION, 5.53 INCHES AT FROSTBURG, MD

LEAST TOTAL PRECIPITATION, 2.43 INCHES AT POTOMAC FILTER PLANT, MD.

GREATEST ONE-DAY PRECIPITATION, 2.36 INCHES ON THE 29TH AT SELBYVILLE, DEL.

GREATEST REPORTED TOTAL SNOWFALL, 34.4 INCHES AT OAKLAND 1 SE, MD.

GREATEST REPORTED DEPTH OF SNOW ON GROUND, 11 INCHES ON THE 1ST AT BITTINGER 2 NW, MD.

See Reference Notes Following Station Index

DAILY PRECIPITATION

Continued

MARYLAND AND DELAWARE
MARCH 1970

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		3.59			.07	.01	.33							.26	.11					.20	T	.32	.15	.28	.30	T		.36		.98		.32	
NEWARK UNIVERSITY FARM		3.20			.04	.02	.41							.15	.19	T				.21	.02	.30	.12	.30	.06			.08	.31		.85		.15
WILMGTN NCASTLE WB AP		3.61		T	.02	.43	T							.38	T	T				.25		.33	T	.54	T	T		.26		1.18	T	.22	
WILMGTN PORTER RESVR		4.38				.44	.02							.55	.03	T				.57		.51		.60	T			.32		1.16		.18	
* * * SOUTHERN 02																																	
BRIDGEVILLE 1 NW		4.41			.24	.15	.22							.40	.05	T				.28	.06	.13	.12	.18		T		.71		1.40	T	.47	
DOVER		3.60			.07	.05	.27							.16	.18					.12	.07	.09	.08	.45			T	.25		1.15		.62	
GEORGETOWN 5 SW		4.17				.21	.20							.45						.29	T	.35		.20				.62		1.38	.06	.41	
LENES 1 SW		4.68			.05	.25								.51	.03	T				.42		.46		.30				.47		1.67	.04	.48	
MILFORD 2 WSW		4.38			.11	.14	.34							.41	.13	T				.18	.10	.11	.10	.31	.01		T	.56		1.32	T	.56	
SELBYVILLE		4.69			.14	.13	.17							.44	.06					.35	.09	.14	.16	.22		T		.23		2.36		.40	

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 WB AIRPORT MD	31	3.3	9.0	38	NW	14	63	68	53	56	7	1	7	2	0	0	17	33	7.7	
WILMINGTON NCASTLE WB DEL	30	3.4	9.6	27++	24	26+	71	74	54	63	10	1	6	1	1	0	19	1	7.1	

SPECIAL WEATHER SUMMARY

March 1970 was generally cool and cloudy. Temperatures averaged mostly 2° to 4° below normal. The Weather Bureau Airport station at Baltimore reported 20 cloudy days; the March average is 13. Sunshine also at this station was only 33 percent of possible. March average is 56 percent. Precipitation ranged mostly from near normal to 2 inches above normal and the number of days with precipitation was generally greater than normal. The heaviest daily totals were reported on Easter Sunday when up to 10 inches of snow fell in western Maryland while elsewhere it was mostly as rain; many totals (rain and melted snow) exceeded 1 inch. Measurable March snowfall ranged from much greater than normal totals in the Garrett County area to

none in the southern half of Maryland and in most of Delaware. Seasonal snowfall, through March 31, exceeded 100 inches at such stations in Garrett County as Bittinger 2NW and Oakland 1SE where totals, 152 inches and 117 inches respectively, were recorded.

The month's most damaging storm occurred during the late afternoon and early evening of the 26th when thunderstorms, associated with a rapidly moving cold front, brought strong, gusty winds to scattered areas of central Maryland and Washington, D. C. Metropolitan area. (For further information, refer to the publication STORM DATA.)

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Continued

DAILY TEMPERATURES

MARYLAND AND DELAWARE
MARCH 1970

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																																		
HANDCOCK FRUIT LAB	MAX	40	47	60	37	37	30	47	54	48	39	42	50	33	40	35	35	35	47	36	42	39	46	36	46	47	58	67	51	63	32	37	44.4	
	MIN	15	33	37	33	36	32	22	26	25	21	28	31	29	21	14	18	17	31	33	31	33	33	32	36	25	30	36	21	32	4	32	27.3	
PICARDY	MAX	44	62	54	38	47	46	52	50	44	42	52	44	36	34	35	33	47	43	40	39	44	41	43	44	56	68	50	62	57	37	48	46.2	
	MIN	17	34	33	32	35	32	29	38	26	23	29	31	29	20	17	16	18	31	32	34	34	32	31	34	30	33	32	27	32	12	30	28.5	
WESTERNPORT UPRC	MAX																36	47	45	39	40	42	43	44	44	54	64	47	62	55	38	48		
	MIN																16	18	32	33	35	35	33	34	33	28	29	34	28	32	15	32		
* * *																																		
ALLEGHENY PLATEAU 08																																		
BITTINGER 2 NW	MAX	45	48	42	35	45	35	44	40	31	36	41	30	28	23	26	24	38	34	43	39	41	31	33	35	45	54	42	52	45	32	44	38.1	
	MIN	17	35	30	29	30	29	24	27	22	17	18	22	21	15	16	9	7	27	29	31	27	27	26	25	21	31	24	24	24	11	26	23.3	
OAKLAND 1 SE	MAX	52	48	48	41	49	40	47	45	38	40	43	34	31	23	25	24	40	35	42	40	43	35	34	34	46	58	43	53	42	39	38	40.3	
	MIN	17	34	33	32	32	23	23	31	26	22	23	27	23	16	13	11	1	30	32	34	29	29	28	27	16	35	26	21	27	3	30	24.3	
SAVAGE RIVER DAM	MAX	39	44	52	38	43	45	42	50	46	33	43	45	33	32	29	30	29	42	34	38	41	39	38	38	39	51	64	46	58	38	34	41.1	
	MIN	18	21	36	31	32	27	24	29	28	25	22	26	28	24	17	19	12	16	31	32	33	31	30	32	25	28	32	25	32	13	21	25.7	
SINES DEEP CREEK 2	MAX																																	
	MIN																																	
DELAWARE																																		
* * *																																		
NORTHERN 01																																		
MIDDLETOWN 1 WSW	MAX	43	55	53	38	49	47	54	54	46	45	52	51	39	43	44	41	47	46	47	46	47	53	51	54	56	72	67	61	60	40	43	49.8	
	MIN	19	28	34	33	36	36	24	33	23	21	36	30	32	30	23	24	24	32	34	31	31	34	33	34	32	26	36	29	35	25	33	30.0	
NEWARK UNIVERSITY FARM	MAX	44	55	52	36	48	46	54	52	43	43	48	48	38	40	38	37	46	45	46	46	49	48	48	52	57	66	66	61	61	40	41	48.2	
	MIN	17	29	34	32	34	36	24	31	24	21	34	30	32	28	21	22	22	32	33	29	35	35	32	33	31	37	37	27	30	23	32	29.6	
WILMGTON NCASTLE WB AP	MAX	42	54	42	39	50	48	54	48	43	45	49	43	40	42	40	38	47	39	49	43	51	43	50	54	58	65	55	57	46	40	43	47.0	
	MIN	20	34	35	35	37	28	25	29	25	21	34	33	32	28	22	23	22	35	33	33	36	38	34	35	33	42	35	31	28	25	32	30.7	
WILMGTON PORTER RESVR	MAX	41	50	40	36	48	44	52	45	40	41	46	41	37	40	38	35	44	38	46	42	48	42	47	50	51	62	59	57	44	39	40	44.6	
	MIN	20	30	33	31	33	29	27	28	22	20	30	30	30	26	21	22	21	30	32	31	33	36	32	34	32	39	35	36	25	21	30	29.0	
* * *																																		
SOUTHERN 02																																		
BRIDGEVILLE 1 NW	MAX	45	59	48	42	48	46	54	56	52	47	52	48	42	42	42	41	46	42	46	43	51	46	54	56	56	70	59	60	50	38	40	49.1	
	MIN	20	30	34	32	40	35	23	33	25	25	34	30	32	29	20	24	20	31	34	30	37	37	33	30	28	37	36	28	30	28	32	30.2	
DOVER	MAX	42	55	53	38	48	48	53	52	47	45	52	51	40	42	41	37	45	46	45	44	50	48	52	53	55	71	63	61	59	38	40	48.8	
	MIN	21	30	34	33	36	36	25	36	25	24	38	32	32	31	24	23	24	33	34	31	37	38	33	35	32	38	37	31	31	28	33	31.5	
GEORGETOWN 5 SW	MAX	42	46	59	39	50	48	43	53	55	42	46	52	48	42	43	42	38	44	43	46	42	51	45	53	54	61	70	53	60	43	39	48.1	
	MIN	17	25	35	34	36	37	22	34	25	28	29	30	32	30	22	19	19	31	36	32	36	38	32	28	27	40	38	26	38	30	32	30.3	
LEWES 1 SW	MAX	40	53	44	49	49	44	56	56	38	47	55	44	41	45	43	40	48	41	44	43	52	46	53	58	58	68	55	55	53	37	41	48.3	
	MIN	26	32	34	35	39	36	29	31	26	25	33	31	31	31	22	24	23	31	36	32	39	38	32	30	30	32	39	29	32	30	35	31.4	
MILFORD 2 WSW	MAX	45	58	49	40	48	58	54	56	50	46	53	53	41	43	42	39	46	45	45	45	50	48	53	56	57	72	64	61	59	38	40	50.1	
	MIN	18	31	34	34	39	37	24	35	27	22	37	31	32	30	21	25	23	31	35	32	39	39	32	33	28	46	39	34	31	29	34	31.7	
SELBYVILLE	MAX	44	61	60	41	51	48	55	58	49	48	55	51	51	43	42	39	47	46	46	46	53	47	54	55	58	65	57	56	53	40	42	50.4	
	MIN	18	32	32	36	41	36	25	35	28	30	35	32	32	30	28	24	23	32	37	33	40	39	34	33	29	42	38	27	35	30	30	32.1	

See Reference Notes Following Station Index

SNOWFALL AND SNOW ON GROUND

MARYLAND AND DELAWARE
MARCH 1970

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																																		
* * * SOUTHERN EASTERN SHORE 01																																		
POCONOKE CITY 1 S	SNOWFALL SN ON GND																																	T
SALISBURY FAA AIRPORT	SNOWFALL SN ON GND																																	
* * * CENTRAL EASTERN SHORE 02																																		
CAMBRIDGE 4 W	SNOWFALL SN ON GND																																	T
DENTON 1 WNW	SNOWFALL SN ON GND																																	
ROYAL OAK	SNOWFALL SN ON GND																																	
* * * LOWER SOUTHERN 03																																		
LA PLATA 1 W	SNOWFALL SN ON GND																																	T
* * * UPPER SOUTHERN 04																																		
BALTIMORE WB AIRPORT	SNOWFALL SN ON GND WTR EQUIV																																	T
COLLEGE PARK	SNOWFALL SN ON GND																																	
FORT GEORGE G MEADE	SNOWFALL SN ON GND																																	T
GLENN DALE BELL STA	SNOWFALL SN ON GND																																	T
* * * NORTHERN EASTERN SHORE 05																																		
CHESTERTOWN	SNOWFALL SN ON GND																																	T
MILLINGTON	SNOWFALL SN ON GND																																	
* * * NORTHERN CENTRAL 06																																		
BROOKDALE	SNOWFALL SN ON GND																																	T
CONOWINGO DAM	SNOWFALL SN ON GND																																	
EMMITSBURG 2 SE	SNOWFALL SN ON GND																																	2.0
PARKTON 2 SW	SNOWFALL SN ON GND																																	.5
UNIONVILLE	SNOWFALL SN ON GND																																	.5
WESTMINSTER 2 SSE	SNOWFALL SN ON GND																																	1.0
WOODSTOCK	SNOWFALL SN ON GND																																	T
* * * APPALACHIAN MOUNTAIN 07																																		
CUMBERLAND	SNOWFALL SN ON GND																																	.5
FROSTBURG	SNOWFALL SN ON GND																																	8.0
HAGERSTOWN	SNOWFALL SN ON GND																																	10.0
HANCOCK FRUIT LAB	SNOWFALL SN ON GND																																	2.5
* * * ALLEGHENY PLATEAU 08																																		1.0
BITTINGER 2 NW	SNOWFALL SN ON GND																																	9.0
OAKLAND 1 SE	SNOWFALL SN ON GND																																	1.1
SAVAGE RIVER DAM	SNOWFALL SN ON GND																																	.3

See Reference Notes Following Station Index

SNOWFALL AND SNOW ON GROUND

Continued

MARYLAND AND DELAWARE
MARCH 1970

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	
DELAWARE																																	
* * *																																	
NORTHERN	01																																
NEWARK UNIVERSITY FARM															T				T												T		
																															T		
WILMGTN NCASTLE WB AP				T									T	T	T	T			T												.4	T	T
WILMGTN PORTER RESVR														T	T				T												T		
* * *																																	
SOUTHERN	02																																
BRIDGEVILLE 1 NW																T																	
DOVER				T											T																	T	

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	
DELAWARE																																	
* * *																																	
SOUTHERN	02																																
GEORGETOWN 5 SW	EVAP WIND	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	.18 99	.33 222	- 82	- 171	- 133	- 87	- -

STATION INDEX

MARYLAND AND DELAWARE
MARCH 1970

STATION	INDEX NO.	DIVISION	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER
								TEMP.	PRECIP.	EVAP.	SPECIAL	
ABERDEEN PHILLIPS PLD	0015	05	HARTFORD	1	39 28	76 10	57	59	59			ROSS AVIATION INC.
ANNAPOLIS	0193	04	ANNE ARUNDEL	1	39 29	76 30	40	69	69			ARTHUR N. MILLER
ASSATEAGUE STATE PARK	0325	01	WORCESTER	2	38 14	75 08	7	69	69			ASSATEAGUE STATE PARK
BALTIMORE WB AIRPORT	0405	04	ANNE ARUNDEL	3	39 11	76 40	148	MTD	MTD			U.S. WEATHER BUREAU
BALTIMORE WB CITY	0470	06	BALTO CITY	3	39 17	76 37	14	MTD	MTD			U.S. WEATHER BUREAU
BELTSVILLE	0700	04	PRIN. GEORGES	3	39 02	76 33	120	8A	8A			CHESTER H. GORDON
BELTSVILLE PLANT STA 5	0705	04	PRIN. GEORGES	3	39 01	76 37	108	9A	9A			USDA PLANT IND. STA.
BENSON POLICE BARRACKS	0732	06	HARFORD	1	39 30	76 23	305	59	59			MD. STATE POLICE
BITTINGER 2 NW	0881	08	GARRETT	7	39 37	79 13	2700	79	79			ELBERT E. BUCKEL
BLUCKHATER REFUGE	0912	02	DORCHESTER	1	38 28	76 08	5	59	59			NAT. WILDLIFE REFUGE
BONDSBROOK	0986	07	WASHINGTON	3	39 31	77 39	785	69	69			J. HOWARD BECKENBAUGH
BOYD 2 NW	1032	06	MONTGOMERY	3	39 13	77 25	390	69	69			HUNTER P. STALEY
BRIGHTON DAM	1125	06	MONTGOMERY	4	39 12	77 01	330	8A	8A			WASH. SUB. SANIT. COMM.
BROOKDALE	1170	06	MONTGOMERY	3	39 37	77 06	260	79	79			R. FRANCIS DASHIELL
CAMBRIDGE 4 W	1385	02	DORCHESTER	1	38 24	76 09	5	69	69			D. ARCY MC R. HARDING
CATOCTIN MOUNTAIN PARK	1930	06	FREDERICK	3	39 39	77 27	1750	49	49			CATOCTIN MOUNTAIN PARK
CENTREVILLE	1937	06	QUEEN ANNES	1	39 03	76 03	44	69	69			MARION G. LEIGHT
CHARLOTTE HALL 2 SE	1680	03	ST. MARYS	4	38 28	76 46	166	59	59			MRS. SUSAN M. CARRICO
CHESTERDOWN	1730	05	KENT	1	39 13	76 04	35	11P	11P			T. W. ELIASON JR.
CHEMUNVILLE BRIDGEPORT	1750	07	WASHINGTON	3	39 39	77 40	560	69	69			LAWSON H. WELFINGER
CLARKSVILLE 3 NNE	1602	06	HOWARD	4	39 15	76 36	365	59	59			UNIVERSITY OF MARYLAND
COLEMAN 3 NW	1982	03	KENT	1	39 13	76 08	78	69	69			W. W. HARRIS
COLLEGE PARK	1998	04	PRIN. GEORGES	3	39 39	76 36	70	59	59			U.S. GEOL. SURVEY
CONNINGDAM DAM	2056	06	HARFORD	6	39 39	76 10	40	11P	11P			SUSQUEHANNA ELECTRIC CO.
CRISFIELD SOMERS COVE	2115	01	SOMERSET	1	37 59	75 32	8	59	59			SOMERS COVE MARINA
CUMBERLAND	2280	07	ALLEGANY	3	39 39	78 45	900	69	7A			H. KEITH E. THOMAS
CUMBERLAND POLICE BRKS	2288	07	ALLEGANY	3	39 38	78 50	970	59	59			MD. STATE POLICE
DEPTON 1 NW	2528	02	CAROLINE	1	38 54	79 31	40	69	69			WAYNE A. CAWLEY
EASTERN NECK ISLAND	2691	03	KENT	1	39 01	76 14	20	59	59			EASTERN NECK WOLF REF
EASTON POLICE BARRACKS	2700	02	TALBOT	1	38 43	76 04	40	59	59			MARYLAND STATE POLICE
ENGEMONT	2770	07	WASHINGTON	3	39 40	77 33	905	7A	7A			LEE S. HARNE
ELKTON	2860	06	CECIL	1	39 37	75 50	40	69	69			W. W. BOUCHELLE
EMMITSBURG 2 SE	2908	06	FREDERICK	3	39 41	77 18	418	59	59			MRS. LUCILLE K. BEALE
FORT GEORGE G. HEADE	3230	04	ANNE ARUNDEL	4	39 06	76 45	140	59	59			H. FILITATION PLANT
FREDERICK HFO	3350	06	FREDERICK	3	39 25	77 28	435	69	69			RADIO STATION WPMO
FREDERICK 3 E	3359	06	FREDERICK	3	39 24	77 22	395	8A	8A			MISS I. MARY STALEY
FROSTBURG	3410	07	ALLEGANY	3	39 39	78 55	2140	59	59			H. C. DAVID DOWNTON
GLENN DALE BELL STA	3675	04	PRIN. GEORGES	4	38 28	76 48	152	49	49			PLANT INTRO. GARDEN
GRANTSVILLE	3799	08	GARRETT	7	39 42	76 09	2380					MRS. FANNIE B. MILLER
HAGERSTOWN	3973	07	WASHINGTON	3	39 39	77 44	650	69	69			HAGERSTOWN RESERVOIR
HANCOCK FRUIT LAB	4030	07	WASHINGTON	3	39 42	78 11	428	8A	8A			U. OF MD. FRUIT LAB.
LA PLATA 1 W	5080	03	CHARLES	5	38 32	77 00	140	59	59			C. RUSSELL LEVERING
LAUREL 3 W	5111	04	PRIN. GEORGES	4	39 06	76 34	400	59	7A			WASH. SUB. SANIT. COMM.
LEONARDTOWN 3 NW	5201	03	ST. MARYS	5	38 19	76 40	40	59	59			RADIO STATION WKIR
LOCH RAVEN DAM	5340	06	BALTIMORE	1	39 26	76 33	190	59	59			CITY OF BALTIMORE
MERRILL	5894	08	GARRETT	5	39 36	79 03	1700	8A	8A			DELMWOOD E. MERRILL
MILLINGTON	5985	05	KENT	1	39 16	75 31	30	69	69			LOUIS H. HOLLETT
NEW GERMANY	6406	08	GARRETT	8	39 38	76 07	2550					ARMIE BITTINGER
OAKLAND 1 SE	6620	08	GARRETT	7	39 24	76 24	2420	59	59			LOGAN WEBER
OWINGS PERRY LANDING	6770	03	CALVERT	4	38 41	76 40	160	59	59			JAMES E. BOURNE, JR.
PARKTON 2 SW	6844	06	BALTIMORE	1	39 38	76 42	600	11P	11P			JOHN R. FOX
PERRY POINT	6980	06	CECIL	1	39 33	76 04	40					VETERANS ADMINISTRATION
PICADAY	7010	07	ALLEGANY	3	39 33	78 31	1030	59	69			POTOMAC HUND. DECHARD
POTOMAC CITY 1 S	7140	01	WORCESTER	1	38 03	75 34	20	59	59			RADIO STATION WPMV
POTOMAC FILTER PLANT	7278	06	MONTGOMERY	3	39 02	77 13	270	8A	8A			WASH. SANITARY COMM.
PRESTON 1 S	7310	02	CAROLINE	1	38 42	75 33	50	69	69			FRANKLIN D. NUSBAUM
PRINCE FREDERICK 1 N	7325	03	CALVERT	1	38 23	76 35	135	59	59			STANLEY L. WATSON
PRINCESS ANNE	7330	01	SOMERSET	1	38 13	75 41	20	59	59			MARYLAND ST. COLLEGE PRN
ROCKVILLE	7705	06	MONTGOMERY	3	39 03	77 08	260	49	49			DEPT OF PUBLIC WORKS
ROYAL OAK	7808	02	TALBOT	1	38 43	76 11	10	69	69			J. L. SWAINES JR.
SALISBURY	8000	02	WICOMICO	1	38 27	75 39	10	59	59			CITY OF SALISBURY
SALISBURY FAA AIRPORT	8009	03	WICOMICO	1	38 20	75 30	40	MTD	MTD			FED. AVIATION AGENCY
SAVAGE RIVER DAM	8065	08	GARRETT	5	39 31	79 08	1495	8A	8A			U. S. CORPS OF ENGINEERS
SINES DEEP CREEK	8515	08	GARRETT	7	39 32	79 25	2040					PA. ELECTRIC CO.
SINES DEEP CREEK 2	8320	08	GARRETT	7	39 32	79 25	2040	7A	7A			MRS. THELMA REAM
SNOW MILL 4 N	8360	01	WORCESTER	1	38 14	75 23	28	69	69			CURTIS E. SHOCKLEY
SOLDONIS	8405	03	CALVERT	1	38 19	76 27	12	69	69			CHESAPEAKE WOL. LAB.
SUITLAND	8656	04	PRIN. GEORGES	5	38 51	76 36	270	9A	9A			EUGENE H. SKOWN
TOWSON	8877	06	BALTIMORE	3	39 23	76 34	390	69	69			BENJAMIN FRIEL
UNIONVILLE	9030	06	FREDERICK	3	39 27	77 11	35	69	69			G. P. VON EIFF, JR.
UPPER HARLBOR 3 NW	9070	04	PRIN. GEORGES	4	38 25	76 47	98	8A	8A			TOBACCO EXP. FARM
VIENNA	9140	02	DORCHESTER	1	38 29	75 30	12	69	69			DELIVER POWER & LIGHT
WALDORF POLICE BRKS	9199	03	CHARLES	5	38 39	76 53	210	59	59			MD. STATE POLICE
WESTERPORT UPMC	9408	07	ALLEGANY	3	39 29	79 03	950	69	69			UPPER POTOMAC RIVER COM
WESTMINSTER 2 SSE	9436	06	CARROLL	1	39 33	76 59	810	69	69			L. EUGENE PURDOM
WHEATON REGIONAL PARK	9522	06	MONTGOMERY	3	39 04	77 02	330	59	59			PARK & PLANNING COMM.
WILLIAMSPORT	9570	07	WASHINGTON	4	39 37	77 51	380	7A	7A			HAGERSTOWN WTR. PLANT
WOODSTOCK	9750	06	BALTIMORE	3	39 20	76 52	415	69	69			WOODSTOCK COLLEGE
DISTRICT OF COLUMBIA												
DALCARLIA RESVR D C	2325	04			38 59	77 07	146	59	59			CORPS OF ENGINEERS
NATIONAL ARBORETUM D C	6350	04			38 58	76 58	80	49	49			U.S. NAT. ARBORETUM
U. S. SOLDIERS HOME DC	9035	04			38 58	77 01	230	MTD	MTD			U.S. SOLDIERS HOME
DELAWARE												
BRIDGEVILLE 1 NW	1330	02	SUSSEX	1	38 43	75 37	50	59	59			WILLIAM RAY
DOVER	2730	02	KENT	2	39 09	75 31	30	59	59			STATE HIGHWAY DEPT.
GEORGETOWN 5 SW	3970	02	SUSSEX	1	38 38	75 28	45	8A	8A			UNI. AGRI. EXP. STA.
LEWES 1 SW	5920	02	SUSSEX	2	38 46	75 05	20	69	MTD			FREDERICK C. VOGL
MIDDLETOWN 1 WSW	5852	01	NEW CASTLE	2	39 26	75 45	60	49	69			PIONEER HIRSH CORN CO.
MILFORD 2 WSW	5915	02	SUSSEX	2	38 54	75 28	30	59	59			MRS. BERNARD FRANKEL
NEWARK UNIVERSITY FARM	8410	01	NEW CASTLE	2	39 40	75 44	90	69	69			UNIV. OF DELAWARE
SELBYVILLE	8269	02	SUSSEX	2	38 28	75 13	32	59	59			L. MURIE LONG
WILMINGTON CASTLE WB AP	8995	01	NEW CASTLE	2	39 40	75 38	74	MTD	MTD			U.S. WEATHER BUREAU
WILMINGTON PORTER RESVR	9005	01	NEW CASTLE	2	39 46	75 32	274	MTD	MTD			WATER DEPARTMENT

† DRAINAGE CODE: 1-CHESAPEAKE 2-COASTAL 3-PATAPSCO 4-PATUXENT 5-POTOMAC 6-SUSQUEHANNA 7-YOUCHEGHEENY

REFERENCE NOTES

MARYLAND AND DELAWARE
MARCH 1970

Additional information regarding the climate of Maryland and Delaware may be obtained by writing to the Environmental Science Services Administration State Climatologist, Room 34, Symons Hall, University of Maryland, College Park, Maryland 20740, or to any Weather Bureau 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 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 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.

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 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.
- 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 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.

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