

CLIMATOLOGICAL DATA

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

MARYLAND AND DELAWARE

JULY 1970

Volume 74 No. 7

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						Total	Departure From Normal	Greatest Day	Date	Snow, Sleet		No. of Days							
										Max. Min.										Total	Departure From Normal	Greatest Day	Date	Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
										80° or Above	60° or Above	50° or Above	40° or Above	30° or Above	20° or Above														
MARYLAND																													
* * *																													
SOUTHERN EASTERN SHORE 01																													
ASSATEAGUE STATE PARK	79.9	65.2	72.5		85	29	54	18	0	0	0	0	0	0	5.73		1.20	30		0	0		11	5	1				
CRISFIELD SOMERS COVE	84.0	70.5	77.3	- 2.1	89	3+	61	22	0	0	0	0	0	0	5.47	-.42	1.61	10		0	0		8	4	2				
POCOMOKE CITY 1 S									0	3	0	0	0	0	5.84		1.52	10+		0	0		9	3	2				
PRINCESS ANNE	85.7	65.7	75.7		91	28+	55	14+	0	4	0	0	0	0	5.90	1.51	2.30	21		0	0		11	3	2				
SALISBURY	85.7	67.2	76.5		91	3+	59	14+	0	4	0	0	0	0	5.90	1.51	2.30	21		0	0		11	3	2				
SALISBURY FAA AIRPORT	83.9	67.1	75.5		91	4	56	7	0	1	0	0	0	0	6.57		2.15	10		0	0		10	4	2				
SNOW HILL 4 N	83.7	64.0	73.9	- 2.8	90	4	54	14+	0	1	0	0	0	0	4.64	-.48	.73	23		0	0		9	6	0				
DIVISION			75.3	- 2.0											5.69	.88				0									
* * *																													
CENTRAL EASTERN SHORE 02																													
BLACKWATER REFUGE	87.3	68.6	78.0		92	30+	53	7	0	7	0	0	0	0	5.18		1.31	2		0	0		8	5	2				
CAMBRIDGE 4 W	85.9	67.9	76.9		92	4	53	7	0	3	0	0	0	0	4.36		1.13	10		0	0		7	3	2				
DENTON 1 NW	86.4	65.8	76.1		93	4	56	7	0	11	0	0	0	0	6.29		1.50	4		0	0		9	5	2				
EASTON POLICE BARRACKS	87.6	66.9	77.3	.0	92	4	56	7	0	9	0	0	0	0	5.00	.26	1.24	10		0	0		10	5	1				
PRESTON 1 S	85.9	67.1	76.5		92	27+	56	7	0	3	0	0	0	0	3.69		1.54	10		0	0		8	3	1				
ROYAL OAK	86.5	67.8	77.2		91	28+	57	7	0	6	0	0	0	0	8.09		3.79	31		0	0		9	5	1				
VIENNA	87.4	69.0	78.2		93	28	59	7	0	10	0	0	0	0	4.18		1.55	23		0	0		9	2	1				
DIVISION			77.2	.0											5.26	.41				0									
* * *																													
LOWER SOUTHERN SHORE 03																													
CHARLOTTE HALL 2 SE	89.2	66.5	77.9		94	4	53	7	0	18	0	0	0	0	5.86		1.80	23		0	0		13	4	2				
LA PLATA 1 W	86.7	65.3	76.0		94	4	53	7	0	12	0	0	0	0	5.89		2.63	9		0	0		8	4	1				
LEONARDTOWN 3 NW	89.2	66.1	77.7		95	4	51	15+	0	19	0	0	0	0	4.89		1.40	23		0	0		9	5	1				
DWINGS PERRY LANDING	86.4	65.9	76.2	-.7	92	20+	56	7	0	11	0	0	0	0	3.60	-.67	.89	23		0	0		8	4	0				
PRINCE FREDERICK 1 N	85.7	65.7	75.7		93	4	54	7	0	8	0	0	0	0	3.94		.84	2		0	0		9	3	0				
SOLOMONS	86.0	70.3	78.2	-.6	95	4	63	22+	0	6	0	0	0	0	6.23	-.66	1.90	10		0	0		7	6	2				
WALDORF POLICE BRKS	88.5	64.2	76.4		94	4	51	7	0	17	0	0	0	0	4.26		.95	23		0	0		8	3	0				
DIVISION			76.9	-.2											4.95	-.06				0									
* * *																													
UPPER SOUTHERN SHORE 04																													
ANNAPOLIS																													
BALTIMORE WB AIRPORT R	86.7	67.7	77.2	.4	94	19	59	7	0	10	0	0	0	0	4.32	-.10	1.29	20		0	0		7	3	1				
BELTSVILLE	85.5	64.8	75.2		92	5	52	7	0	9	0	0	0	0	6.20		2.03	10		0	0		8	4	2				
BELTSVILLE PLANT STA 5	86.4	65.3	75.9		92	30+	52	7	0	7	0	0	0	0	5.89		3.00	10		0	0		7	3	1				
COLLEGE PARK	88.2M	67.7M	78.0M	1.2	93	31+	56	7	0	16	0	0	0	0	6.73	2.59	3.69	10		0	0		7	3	3				
DALECARLIA RESVR D C	88.0	67.0	77.5		93	31+	54	5	0	14	0	0	0	0	6.37		3.14	10		0	0		10	3	1				
FORT GEORGE G MEADE	86.7	64.2	75.5		92	31	47	21	2	13	0	0	0	0	4.27		1.12	10		0	0		9	4	1				
GLENN DALE SELL STA	86.8	64.1	75.5	-.4	92	4	51	7	0	12	0	0	0	0	6.23	1.21	2.49	10		0	0		10	4	1				
LAUREL 3 W	86.7	67.3	77.0		92	31+	60	6	0	9	0	0	0	0	6.70		2.10	10		0	0		7	5	3				
NATIONAL ARBORETUM D C	87.5	66.2	76.9		93	4	55	7	0	13	0	0	0	0	8.44		4.46	10		0	0		11	3	1				
SUITLAND	85.8	66.4	76.1		92	1	54	7	0	5	0	0	0	0	7.10		2.69	10		0	0		10	4	2				
U. S. SOLDIERS HOME DC	87.0	67.7	77.4		93	4	61	6	0	10	0	0	0	0	9.11		5.10	9		0	0		6	3	2				
UPPER HARLSBORO 3 NW	86.4	64.9	75.7		93	5	52	7	0	11	0	0	0	0	5.00		.93	21		0	0		9	4	0				
DIVISION			76.5	-.2											6.36	2.03				0									
* * *																													
NORTHERN EASTERN SHORE 05																													
CENTREVILLE	86.5	65.9	76.2		91	28+	53	7	0	9	0	0	0	0	4.40		1.02	31		0	0		8	5	1				
CHESTERTOWN	85.9	66.5	76.2		94	28	57	7	0	4	0	0	0	0	3.98		1.21	2		0	0		9	3	1				
COLEMAN 3 NW	87.0	66.5	76.8	-.7	92	28+	58	7	0	10	0	0	0	0	4.85	.56	.93	10		0	0		12	2	0				
EASTERN NECK ISLAND	85.0	69.7	77.4		89	28+	62	22	0	0	0	0	0	0	3.62		1.05	21		0	0		6	4	1				
MILLINGTON	86.3	64.9	75.6	-.8	93	28+	53	7	0	9	0	0	0	0	2.84	- 1.38	.72	2		0	0		8	2	0				
DIVISION			76.4	-.8											3.94	-.54				0									
* * *																													
NORTHERN CENTRAL SHORE 06																													
ABERDEEN PHILLIPS FLD	84.5M														8.41		3.30	29		0	0		10	4	3				
BALTIMORE WB CITY R	87.7	71.8	79.8	.7	95	4	66	21+	0	11	0	0	0	0	3.82	-.56	1.27	2		0	0		6	3	1				
BENSON POLICE BARRACKS	86.4	65.3	75.9		91	29+	56	7	0	10	0	0	0	0	5.44		1.72	10		0	0		9	3	2				
BOYDS 2 NW	84.2	64.4	74.3		92	2	57	6	0	2	0	0	0	0	7.77		1.80	10		0	0		10	4	3				
CATOCTIN MOUNTAIN PARK	80.5	62.4	71.5		87	2	51	17	1	0	0	0	0	0	5.60		2.90	10		0	0		7	4	1				
CLARKSVILLE 3 NNE	85.6	62.8	74.2		91	31+	49	7	0	6	0	0	0	0	7.30		2.37	10		0	0		8	5	3				
CONOWINGO DAM	85.4	65.9	75.7		92	4	54	7	0	5	0	0	0	0	7.21		1.87	10		0	0		9	4	3				
ELKTON	85.6	63.5	74.6	- 1.6	92	20	52	7	0	8	0	0	0	0	8.59	4.24	2.81	31		0	0		11	6	3				
EMMITTSBURG 2 SE	85.5	61.3	73.4		92	31	49	7	0	7	0	0	0	0	8.75		2.00	30		0	0		10	6	4				
F																													

Continued

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND DELAWARE
JULY 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	1.00 or More
											90° or Above	80° or Below	70° or Below	60° or Below										
TOWSON		86.0	67.7	76.9		92	4	59	17	0	6	0	0	0	5.35	1.18	1.90	10	.0	0		7	4	3
UNIONVILLE		84.5	62.4	73.5		90	31+	50	7	0	3	0	0	0	6.44		1.83	16+	.0	0		7	4	2
WESTMINSTER 2 SSE		83.6	63.7	73.7	- 1.2	90	2	52	7	0	1	0	0	0	6.80	2.46	4.23	10	.0	0		6	3	1
WHEATON REGIONAL PARK		85.0	64.9	75.0		92	28+	53	7	0	5	0	0	0	6.06		2.80	10	.0	0		6	3	2
WOODSTOCK		86.0M	63.4M	74.7M	- .4	91	28+	50	7	0	0	0	0	0	6.11	1.91	1.50	10	.0	0		8	6	2
DIVISION				74.7	- .7										6.84	2.55			.0					
* * *																								
APPALACHIAN MOUNTAIN 07																								
BOONSBORO		84.0	64.9	74.5		92	2	56	21+	0	1	0	0	0	6.56		2.15	9	.0	0		7	5	3
CHEMSVILLE BRIDGEPORT		84.8	61.5	73.2	- 1.2	93	2	49	7	0	4	0	0	0	6.55	2.95	1.89	30	.0	0		6	4	4
CUMBERLAND		85.5	60.5	73.0		94	15	51	6	1	7	0	0	0	3.91		1.12	10	.0	0		10	2	1
CUMBERLAND POLICE BRKS		85.9	61.4	73.7		96	3	49	7	0	6	0	0	0	5.45		1.75	10	.0	0		9	3	2
FROSTBURG		81.5	60.2	70.9	- .4	89	2	50	7	4	0	0	0	0	4.24	.53	1.52	9	.0	0		10	2	1
HAGERSTOWN		85.5	64.2	74.9		93	2	55	21	0	7	0	0	0	8.81		2.76	9	.0	0		9	5	3
HANCOCK FRUIT LAB		83.4	62.2	72.8		94	3	49	7	0	4	0	0	0	5.87	2.35	3.25	10	.0	0		8	2	1
PICARDY		84.4	61.6	73.0		96	1	51	7	0	6	0	0	0	3.86		1.62	9	.0	0		9	2	1
WESTERNPORT UPRC		85.3	62.0	73.7		95	2	50	7	0	7	0	0	0	4.08		1.75	9	.0	0		8	1	1
DIVISION				73.3	- .9										5.48	1.82			.0					
* * *																								
ALLEGHENY PLATEAU 08																								
BITTINGER 2 NW		75.2	57.9	66.6		83	1	48	17	39	0	0	0	0	7.17		2.52	9	.0	0		9	4	3
OAKLAND 1 SE		77.4	56.6	67.0	- 1.0	85	2+	42	7	32	0	0	0	0	6.69	1.85	2.03	9	.0	0		10	4	2
SAVAGE RIVER DAM		79.6	59.7	69.7		88	3	48	7	13	0	0	0	0	4.74		1.05	9	.0	0		10	4	1
SINES DEEP CREEK 2																								
DIVISION				67.8	- .1										6.20	1.63			.0					
DELAWARE																								
* * *																								
NORTHERN 01																								
MIDDLETOWN 1 WSW		86.0	65.1	75.6		92	29+	56	7	0	6	0	0	0	3.11		1.03	10	.0	0		7	1	1
NEWARK UNIVERSITY FARM		85.5	64.2	74.9		91	29+	57	7	0	5	0	0	0	6.21		2.84	31	.0	0		9	5	1
WILMGTN NCASTLE WB AP		84.8	68.3	76.6	.6	91	4	59	7	0	2	0	0	0	6.03	1.78	1.55	29	.0	0		9	4	3
WILMGTN PORTER RESVR		83.3	65.5	74.4		89	25+	60	17	0	0	0	0	0	3.96	.51	1.07	10	.0	0		9	2	2
DIVISION				75.4	- .6										4.83	.46			.0					
* * *																								
SOUTHERN 02																								
BRIDGEVILLE 1 NW		85.8	65.7	75.8	- .4	91	28+	56	7	0	7	0	0	0	3.73	- 1.33	.76	2	.0	0		9	2	0
DOVER		85.9	65.6	75.8	- 1.3	91	5+	57	9+	0	5	0	0	0	4.56	.11	1.98	10	.0	0		6	2	0
GEORGETOWN 5 SW		84.3	65.9	75.1		90	29+	55	7	0	4	0	0	0	2.88		.81	2	.0	0		9	2	0
LEWES 1 SW		82.6	66.3	74.6		90	29+	58	7	0	3	0	0	0	4.80		2.21	4	.0	0		8	4	1
MILFORD 2 WSW		86.4	65.6	76.0		92	4	54	7	0	6	0	0	0	4.23		1.50	5	.0	0		6	3	2
SELBYVILLE		84.7	65.8	75.3		93	4	57	14+	0	2	0	0	0	10.59		4.05	29	.0	0		5	2	
DIVISION				75.4	- 1.2										5.13	.29			.0					

TEMPERATURE AND PRECIPITATION EXTREMES

HIGHEST TEMPERATURE: 96° ON THE 4+ AT 4 STATIONS, MD.

LOWEST TEMPERATURE: 42° ON THE 7TH AT OAKLAND 1 SE, MD.

GREATEST TOTAL PRECIPITATION: 10.59 INCHES AT SELBYVILLE, DEL.

LEAST TOTAL PRECIPITATION: 2.86 INCHES AT MILLINGTON, MD.

GREATEST ONE-DAY PRECIPITATION: 5.10 INCHES ON THE 9TH AT U. S. SOLDIERS HOME, D.C., MD.

See Reference Notes Following Station Index

DAILY PRECIPITATION

Continued

MARYLAND AND DELAWARE
JULY 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	
MARYLAND																																	
SOUTHERN EASTERN SHORE 01																																	
ASSATEAGUE STATE PARK	5.73		.46		.58						.83	.02	.49			.38						.32	.18	.14	.34							1.20	
CRISFIELD SOMERS COVE	5.47	.02	.62								1.01	.02	.49			.29	.01	.58				.21	.15	.78			1.23				.02	.05	
POCONO CITY 1 S																																	
PRINCESS ANNE	5.84		1.52		.45	.10					1.52	.02				.44						.24	.34	.52	.07	.07	.04			.46	.35		
SALISBURY	5.90	.05	.54		.46						1.13	.11	.20			.16	T					2.30	.26	.18	.06	.01	.23			.16	.07	T	
SALISBURY FAA AIRPORT	6.57		.52		.46	.02					2.15	.28				.55					.07	1.71		.20	T	.13	.30			.05	.02	.11	
SNOW HILL 4 N	4.54		.58		.48						.52	.01				.52					.01	.50	.11	.73	.28		.03			.58	.04	T	
CENTRAL EASTERN SHORE 02																																	
BLACKWATER REFUGE	5.18		1.31			.12					1.10	.01				T						.54	.05	.73	.92	T					.13	.27	
CAMBRIDGE 4 W	4.36		.90	.01	.03	.22				T	1.13					T						.35	.24	.09	1.06	.05				.09	.19		
DENTON 1 WNW	6.29		.62		1.50	.09					1.32											.26	.01	.14	.19		.98			.19	.99		
EASTON POLICE BARRACKS	5.00		.65		.16	.66					1.24											T	.30	.10	.60	.26	.21	.03		.03	.74		
PRESTON 1 S	3.69		.65		.17	.10					1.54		.03									.17	.27	.03	.51	.08				.14			
ROYAL OAK	8.09		.99		.75	.10					.93		.03									.21	.12	.11	.98	.05	T			.05	3.79		
VIENNA	4.13		.51		.21						.32	.17										.25	.05	.10	1.55	.03	.25	.34		.09	.02		
LOWER SOUTHERN 03																																	
CHARLOTTE HALL 2 SE	5.86		.50	.02	.26	.07					.40					.10						1.02	.56	.17	1.80	.07	.10	.13	.10	.28	.25	.03	
LA PLATA 1 W	5.89		.21	T	.17	.03				2.63	.37	.20										.03	.69	.07	.55	T				.83	.08		
LEONARDTOWN 3 NW	4.89		.55	.10			.10				.90					.25						.83	.31	1.40	.03					.18	.02		
OWINGS FERRY LANDING	3.60		.76	.05	.13	.05					.55											.10	.35	.10	.89	.03				.37	.02		
PRINCE FREDERICK 1 N	3.94		.84	.04	.06	.16					.34											.56	.39	.11	.63	.35				.44			
SOLDONNS	6.23		.51		.66						1.90											.56	.56		1.75	.25				.04			
WALDOXP POLICE BRKS	4.26		.20	.01	.40					.05	.83											.05	.49	.03	.93	.31	T	.04		.80	.10		
UPPER SOUTHERN 04																																	
ANNAPOLIS											.99	.01	.04			T	.40					1.29	T		.23	.08	.26			.02	.06	T	
BALTIMORE WB AIRPORT	4.32		.50		.42												.01						.96			.53				.39	.16		
BELTSVILLE	6.20		.35	1.74		.13					2.03						T					.73			.32					.25	.31		
BELTSVILLE PLANT STA 5	5.89		.38	.80		.05					3.00						T					1.14		.10	.38					.12	.13		
COLLEGE PARK	6.73		1.10		.01						3.69																						
DALECARLIA RESVR D C	6.37		.10	.11		.01					.02	3.14	.05			.19						.39	.35	.48	.25	.01				.43	.66		
PORT GEORGE G HEADS	4.27		.75		.13	.20					.50	1.12				.07						.12	.64		.11	.27	T			.48	.08		
GLENN DALE BELL STA	6.23		.40	.80		.26					.05	2.45		T		.29						.31	.75	T	.08	.53				.13	.24		
LAUREL 3 W	6.70		.70	1.37		.05					2.10					.01						1.05		.55						.14	.13		
NATIONAL ARBORETUM D C	8.44		.23	.73	.10						4.46					.47						.42	.44	T	.20	.38	.08			T	.12	.81	
SUITLAND	7.10		.30	.36		.48					2.63	.01			T	.28						1.24		.02	.51		.06		.73	.29	.19		
U. S. SOLDIERS HOME DC	9.11		.96		.02					5.10	.02					.50						1.48	.93	.01	.02	.60	T	.06		.04	.60	T	
UPPER MARLBORO 3 NW	5.00		.71	.41	T	.36					.84	.07				.11														.40	.48		
NORTHERN EASTERN SHORE 05																																	
CENTREVILLE	4.40		.78		.11						.56					T						.51	.93	.10	.03	.07	.03			.22	.04	1.02	
CHESTERDOWN	3.98		1.21		.61						.02	.66			.10		T					.25	.25	.07	.08	.01		.31		.36	.12	.10	
COLEMAN 3 WNW	4.85		.71		T	.25					.46	.93	.43			.13						.43	.38		.04	.16	.02	T		T	.33	.13	
EASTERN NECK ISLAND	3.62		.76		T	.24					.01	.71				.12						.12	.23	.07	.04	.02		.04		.70	.16	.07	
HILLINGTON	2.86		.72		.14						.49																						
NORTHERN CENTRAL 06																																	
ABERDEEN PHILLIPS FLD	8.41		.73								.30	1.82				T	T					.26	.27		T	.36	.14			3.30	.15	1.08	
BALTIMORE WB CITY	3.83		1.27		.20						.94	.03										.92		.10	.37					.32	.47		
BENSON POLICE BARRACKS	5.48		.77			.27					.18	1.72				.01						.11	1.13		.62	.41				.72	.51		
BOYDS 2 NW	7.77		.77		1.55						.81	.80	.04									.48	1.09		.30	.10					.11	.12	
BRIGHTON DAM	6.82		.78	.07	T	.93					2.17	.03				.02						2.40		.02	.17								
BROOKDALE	6.19		.33		T	.04					2.14	.98				.03						.31	.58	T	.28	.18				1.32	T		
CATOCCH MOUNTAIN PARK	5.60			.29		.29					.74	2.90	.03			.07						.05			.13	.11				.63	.01		
CLARKSVILLE 3 NNE	7.30		.96	.02	.19						.09	2.37				.64						.54	1.21		.08	.21				.49	1.17		
CONOWINGO DAM	7.21		.82	T	.05						1.13	1.87	T		1.06	T						.95	.16	T	.01	.36				.62	T	.18	
ELKTON	8.39		.53		.23						.23	.27				.55						.51	.28		.13					1.10	1.95	2.81	
EMMITTSBURG 2 SE	8.75		.76		.11						1.20	1.06	.66	T		.82						.80	.02		.08	.19				1.00	1.05		
FREDERICK WIND	8.33		.09	.52							2.00	4.28				.74									.12	.04				.14	.38	.02	
FREDERICK 3 E	7.36		.42		.30	T					4.02	.37				1.33								.06	.03	.14	T			.04	.58	.07	
LOCH RAVEN DAM	4.05	1.01		.24							.30	1.45										.88		T	.22					.			
PARKTON 2 SE	6.93		1.39	.15							2.30	.33	.03			.49	.07					.77	.01	.01	.11					.60	.61		
POTOMAC FILTER PLANT																																	
ROCKVILLE 4 NE	7.38			.40		.30					.08	2.88	.04			.12						T	1.39		.18	.13					1.30	.31	
TOWSON	5.35		1.02		.12						.28	1.90				.01						.50	1.13		.01	.30	.03				.05	.45	
UNIONVILLE	6.44		.89		.59						1.83	.41		.02		1.83						.24		.07	.06					.05	.45		
WESTMINSTER 2 SSE	6.80		.73	T	.30						4.23	.01	T			.72						.49		T	.07					.08	.11		
WHEATON REGIONAL PARK	6.04		.10	.01		T					2.80	.08										2.06		.64	.08					.13	.11		
WOODSTOCK	6.11		.04		.85	T					.02	1.50	.01			.01						.78	1.14	.01	.05	.17				.42	.5		
APPALACHIAN MOUNTAIN 07																																	
BOONSBORO	6.56		.52	T	.49					.02	2.15	.68	T			1.27						.51		T	.13	.04				.09	1.22	.02	
CHEWSVILLE BRIDGEPORT	6.59		1.05		.03						1.25	1.55	T			.02						.42		.04	.03					T	1.80	.07	
CUMBERLAND	3.91		.12																														

DAILY PRECIPITATION

MARYLAND AND DELAWARE
JULY 1970

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	
DELAWARE																																		
* * *																																		
NORTHERN 01																																		
MIDDLETOWN 1 WSW		3.11		.43			.28					1.03						.33					.31		.02		.02				.37	.05	.25	
NEWARK UNIVERSITY PARK		6.21		.53		.15					.21	.04					.54				T	.50				.27				.42	T	2.84		
WILMGTON NCATTLE WB AP		6.03		.50	.02	.08					.14	1.45						1.21				.24	.01	T	T		.09			1.35	.10	.44		
WILMGTON PORTER RESVR		3.96	.19			T					.11	1.07	.06				1.03					.23	.09			.34	.04	.14		.23	.38	.20		
* * *																																		
SOUTHERN 02																																		
BRIDGEVILLE 1 NW		3.73	.05	.74		.51	.20					.42	.03				.03				T	.34		.04	.48				.33		.34	.18		
DOVER		4.56		.13	T	.04	.43					1.98	T								.12	.03	.02	.25	T				T	.04	1.30			
GEDRGETOWN 3 SW		2.88		.81			.21					.12	.29								.27	.15		.22						.30				
LEWES 1 SW		4.80		.04		2.21	.03					.50	.03				.03				.04				.11	.16		.53	.51		.04	.27	T	
MILFORD 2 WSW		4.23		.85		.01	1.90					1.02	.04								.26						.14	.25		.09	.07			
SELBYVILLE		10.59		.64			.72					3.44	.06				.32	.37				.54	.10	*	.33				4.05					

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 EASTERN				Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total		
							01	07	13	19									
BALTIMORE WB AIRPORT MD	23	2.5	6.5	.42	NW	04	74	74	51	61	3	5	4	2	1	0	15	65	6.7
WILMINGTON NCATTLE WB DEL	20	2.8	7.6	25++	17	20+	82	81	61	70	3	4	5	1	3	0	16	-	7.1

SPECIAL WEATHER SUMMARY

July 1970 temperatures averaged mostly a little below normal in spite of warm days during the last week. This month's rainfall was generally above normal to much above normal except for some below normal totals in parts of Maryland's northern Eastern Shore and in parts of Delaware. Above normal rainfall, however, was recorded in all climatic divisions. Heaviest totals, 8 inches and over, were found in northeastern and north-central Maryland, including the Hagerstown and Washington, D. C., areas, in Maryland's central Eastern Shore and in southeast Sussex County, Delaware. More than the normal number of days with thunderstorms, many with heavy to very heavy rainfall, made this a generally wet July, the second in succession. Some of the heaviest totals were recorded on the 9th, 10th,

29th and 31st; considerable flash flooding was associated with the storms of the 9th-10th and 29th-30th. The 4.28 inches recorded at Frederick on the 10th was the greatest one-day July rainfall, based on a long period of record. Other unusually heavy one-day totals included; 5.10 inches at U. S. Soldiers Home, D. C., on the 9th; 4.46 inches at National Arboretum, D. C., on the 10th; 4.23 inches at Westminster on the 10th; and 4.05 inches at Selbyville on the 29th. An unofficial total of 4.35 inches fell in 45 minutes at Edgewood, Maryland, on the 29th. For information on these and other July storms, see the ESSA publication, STORM DATA. Also, there was an air pollution episode during the month, from the 27th to the 30th, as several communities approached the alert stage.

W. J. Moyer
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University of Maryland
College Park, Maryland 20740

TOTAL SNOWFALL AND NUMBER OF DAYS WITH ONE INCH OR MORE ON GROUND

SEASON OF 1969 - 1970

MARYLAND AND DELAWARE

Station		JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
MARYLAND														
* * *														
SOUTHERN EASTERN SHORE	01													
ASSATEAGUE STATE PARK	SNOWFALL						7	4.8	1.4	T				6.2
	1 IN ON GD							17	3					20
CRISFIELD SOMERS COVE	SNOWFALL						-	4.9	.5					-
	1 IN ON GD						-	13	1					-
POCOMOKE CITY 1 S	SNOWFALL						-	6.5	1.0	T				-
	1 IN ON GD						-	-	1					-
PRINCESS ANNE	SNOWFALL							11.2	1.0					12.2
	1 IN ON GD							-	1					-
SALISBURY	SNOWFALL						-	8.0	1.0					-
	1 IN ON GD						-	15	1					-
SALISBURY FAA AIRPORT	SNOWFALL					T	.2	15.2	.6	T				16.0
	1 IN ON GD							16	1					17
SNOW HILL 4 N	SNOWFALL						.2	11.0	2.3					13.5
	1 IN ON GD							15	1					16
* * *														
CENTRAL EASTERN SHORE	02													
BLACKWATER REFUGE	SNOWFALL						-	7.5	.5					-
	1 IN ON GD						-	12						-
CAMBRIDGE 4 W	SNOWFALL						.5	11.0	1.0	T				12.5
	1 IN ON GD							11						11
DENTON 1 WNW	SNOWFALL						-	7.8	T	T				-
	1 IN ON GD							11						11
EASTON POLICE BARRACKS	SNOWFALL						T	8.0	1.0					9.0
	1 IN ON GD							9	1					10
PRESTON 1 S	SNOWFALL						1.0	10.5	2.0					13.5
	1 IN ON GD							17	1					18
ROYAL OAK	SNOWFALL						T	8.9	2.5	T				11.4
	1 IN ON GD							12	1					13
VIENNA	SNOWFALL						-	7.0	1.2	T				-
	1 IN ON GD						-	5	1					-
* * *														
LOWER SOUTHERN	03													
CHARLOTTE HALL 2 SE	SNOWFALL						4.0	-	.5					-
	1 IN ON GD						1	-	1					-
LA PLATA 1 W	SNOWFALL					T	4.3	7.0	2.8	T				14.1
	1 IN ON GD						5	16	4					25
LEONARDTOWN 3 NW	SNOWFALL						4.0	7.5	-					-
	1 IN ON GD						1	6	-					-
OWINGS FERRY LANDING	SNOWFALL					T	2.0	7.9	3.0					12.9
	1 IN ON GD						2	11	2					15
PRINCE FREDERICK 1 N	SNOWFALL						2.0	7.1	.5	T				9.6
	1 IN ON GD						1	12	1					14
SOLOMONS	SNOWFALL						-	5.2	-					-
	1 IN ON GD						-	12						-
WALDORF POLICE BRKS	SNOWFALL						3.0	6.0	1.0					10.0
	1 IN ON GD						3	8	1					12

See Reference Notes Following Station Index

TOTAL SNOWFALL AND NUMBER OF DAYS WITH ONE INCH OR MORE ON GROUND

Continued

SEASON OF 1969 - 1970

MARYLAND AND DELAWARE

Station		JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
MARYLAND														
* * *														
UPPER SOUTHERN	04													
ANNAPOLIS	SNOWFALL 1 IN ON GD						3.0 4	6.0 11	2.5 4					11.5 19
BALTIMORE WB AIRPORT	SNOWFALL 1 IN ON GD					T	9.0 6	6.1 9	4.0 3	1.9	T			21.0 18
BELTSVILLE	SNOWFALL 1 IN ON GD						-	4.5 12	3.0 3					-
BELTSVILLE PLANT STA	5 SNOWFALL 1 IN ON GD						9.5 5	5.3 12	4.0 4	T				18.8 21
COLLEGE PARK	SNOWFALL 1 IN ON GD					T	6.5 4	5.2 12	2.0 2	T				13.7 18
DALECARLIA RESVR D C	SNOWFALL 1 IN ON GD					-	-	-	3.6 2	T				-
FORT GEORGE G MEADE	SNOWFALL 1 IN ON GD					T	5.5 6	4.0 10	2.5 4	T				12.0 20
GLENN DALE BELL STA	SNOWFALL 1 IN ON GD					T	6.0 4	5.5 11	3.5 4	T				15.0 19
LAUREL 3 W	SNOWFALL 1 IN ON GD						9.0 -	4.1 4		T				13.1 -
NATIONAL ARBORETUM D C	SNOWFALL 1 IN ON GD						5.3 1	5.5 -	3.0 -	T				13.8 -
SUITLAND	SNOWFALL 1 IN ON GD						4.2 1	5.5 8	3.2 2					12.9 11
U. S. SOLDIERS HOME DC	SNOWFALL 1 IN ON GD						7.5 -	6.5 10	3.3 4	T				17.3 -
UPPER MARLBORO 3 NNW	SNOWFALL 1 IN ON GD						3.6 5	7.5 12	3.6 4					14.7 21
* * *														
NORTHERN EASTERN SHORE	05													
CENTREVILLE	SNOWFALL 1 IN ON GD					T	6.0 9	11.0 13	2.5 3					19.5 25
CHESTERTOWN	SNOWFALL 1 IN ON GD					T	4.5 4	8.8 13	3.0 3	T	T			16.3 20
COLEMAN 3 NNW	SNOWFALL 1 IN ON GD						3.0 10	10.8 12	2.5 4	T				16.3 26
EASTERN NECK ISLAND	SNOWFALL 1 IN ON GD						2.0 2	8.5 12	2.0 4	T				12.5 18
MILLINGTON	SNOWFALL 1 IN ON GD					T	4.5 7	7.5 14	3.0 3	T				15.0 24
* * *														
NORTHERN CENTRAL	06													
ABERDEEN PHILLIPS FLD	SNOWFALL 1 IN ON GD						6.3 6	8.9 12	3.5 3					18.7 21
BALTIMORE WB CITY	SNOWFALL 1 IN ON GD	-	-	-	-	-	-	-	-	-	-	-	-	-
BENSON POLICE BARRACKS	SNOWFALL 1 IN ON GD				T		8.5 18	6.5 18	1.5 4	T	T			16.5 40
BOYDS 2 NW	SNOWFALL 1 IN ON GD						15.5 10	5.0 6	3.0 3	2.0 1				25.5 20

See Reference Notes Following Station Index

TOTAL SNOWFALL AND NUMBER OF DAYS WITH ONE INCH OR MORE ON GROUND

Continued		SEASON OF 1969 - 1970											MARYLAND AND DELAWARE	
Station		JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
MARYLAND														
BRIGHTON DAM	SNOWFALL 1 IN ON GD						7.0 6	3.0 20	4.0 4					14.0 30
BROOKDALE	SNOWFALL 1 IN ON GD					T	8.6 6	5.7 20	3.0 4	.5	T			17.8 30
CATOCTIN MOUNTAIN PARK	SNOWFALL 1 IN ON GD					2.3 5	23.2 22	10.0 31	12.5 28	11.5 -	3.0 1			62.5 -
CLARKSVILLE 3 NNE	SNOWFALL 1 IN ON GD						14.2 8	5.4 25	5.0 4	1.5	T			26.1 37
CONOWINGO DAM	SNOWFALL 1 IN ON GD						7.0 12	10.0 28	2.0 3	T				19.0 43
ELKTON	SNOWFALL 1 IN ON GD					T	-	5.7 12	1.0 3	T				-
EMMITTSBURG 2 SE	SNOWFALL 1 IN ON GD					T	23.0 13	11.0 31	8.0 8	5.5 3	T			47.5 55
FREDERICK WFMD	SNOWFALL 1 IN ON GD					-	-	7.6 29	3.5 4					-
FREDERICK 3 E	SNOWFALL 1 IN ON GD						30.0 -	9.0 -	5.0 -	1.0	T			45.0 -
LOCH RAVEN DAM	SNOWFALL 1 IN ON GD						12.6 -	8.1 -	4.0 -	1.0	T			25.7 -
PARKTON 2 SW	SNOWFALL 1 IN ON GD				T	T	15.5 13	7.2 27	6.8 4	4.5 1	T			34.0 45
POTOMAC FILTER PLANT	SNOWFALL 1 IN ON GD						9.0 -							9.0 -
ROCKVILLE 4 NE	SNOWFALL 1 IN ON GD				-	-	-	-	-		T			-
TOWSON	SNOWFALL 1 IN ON GD				T	T	8.0 8	5.9 8	3.3 3	T	T			17.2 19
UNIONVILLE	SNOWFALL 1 IN ON GD					T	26.5 12	7.5 29	2.5 2	1.5 1	T			38.0 44
WESTMINSTER 2 SSE	SNOWFALL 1 IN ON GD				T	T	17.7 13	7.2 28	6.2 4	5.3 2	T			36.4 47
WHEATON REGIONAL PARK	SNOWFALL 1 IN ON GD						9.4 7	7.4 22	4.3 4	2.2 1				23.3 34
WOODSTOCK	SNOWFALL 1 IN ON GD						14.0 -	4.7 -	1.8 4	T	T			20.5 -
- * * *														
APPALACHIAN MOUNTAIN 07														
BOONSBORO	SNOWFALL 1 IN ON GD					.7 1	27.2 -	12.3 29	9.2 10	5.2 2	1.2			55.8 -
CHEWSVILLE BRIDGEPORT	SNOWFALL 1 IN ON GD					T	19.0 19	6.0 27	3.0 4	4.5 2				32.5 52
CUMBERLAND	SNOWFALL 1 IN ON GD						27.0 21	9.0 28	4.5 10	17.0 8	1.0 1			58.5 68
CUMBERLAND POLICE BRKS	SNOWFALL 1 IN ON GD						34.0 15	8.5 28	6.0 10	12.0 5		1		60.5 59
EDGEMONT	SNOWFALL 1 IN ON GD						23.0 19	8.0 31	8.0 13	5.0 6				44.0 69
FROSTBURG	SNOWFALL 1 IN ON GD				T	1.0 2	38.0 31	18.9 31	10.8 20	24.4 11	4.2 1	T		97.3 96
HAGERSTOWN	SNOWFALL 1 IN ON GD					T	22.0 12	6.0 26	5.5 5	5.0 2	T			38.5 45

See Reference Notes Following Station Index

TOTAL SNOWFALL AND NUMBER OF DAYS WITH ONE INCH OR MORE ON GROUND

Continued		SEASON OF 1969 - 1970											MARYLAND AND DELAWARE	
Station		JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
MARYLAND														
HANCOCK FRUIT LAB	SNOWFALL 1 IN ON GD					T	19.5 16	7.6 30	7.1 13	10.3 5	1.0 1			45.5 65
PICARDY	SNOWFALL 1 IN ON GD						24.8 14	7.1 28	7.0 8	17.0 6	2.0			57.9 56
WESTERNPORT UPRC	SNOWFALL 1 IN ON GD				T	T	22.6 14	5.3 25	-	6.8 3	T			-
WILLIAMSPORT	SNOWFALL 1 IN ON GD						-	6.5 17	3.5 3	4.1 4		-		-
* * *														
ALLEGHENY PLATEAU 08														
BITTINGER 2 NW	SNOWFALL 1 IN ON GD					10.1 6	55.2 31	33.1 31	24.3 28	29.7 26	8.4 4			160.8 126
MERRILL	SNOWFALL 1 IN ON GD					T	-	-	-	-	-			-
OAKLAND 1 SE	SNOWFALL 1 IN ON GD				T	6.7 3	42.7 31	22.2 29	11.1 12	34.4 15	.7	.3		118.1 90
SAVAGE RIVER DAM	SNOWFALL 1 IN ON GD					-	-	10.0 31	3.0 23	-	1.0 1			-
SINES DEEP CREEK 2	SNOWFALL 1 IN ON GD					9.0 5	-	-	-	-	-	-	-	-
DELAWARE														
* * *														
NORTHERN 01														
MIDDLETOWN 1 WSW	SNOWFALL 1 IN ON GD						4.5 3	6.0 11	1.0 1					11.5 15
NEWARK UNIVERSITY FARM	SNOWFALL 1 IN ON GD				T	T	7.0 4	13.5 14	1.5 3	T				22.0 21
WILMGTN NCATTLE WB AP	SNOWFALL 1 IN ON GD				T	.1	6.8 6	9.7 15	1.5 1	.4				18.5 22
WILMGTN PORTER RESVR	SNOWFALL 1 IN ON GD					.1	7.0 10	10.9 21	1.8 3	T				19.8 34
* * *														
SOUTHERN 02														
BRIDGEVILLE 1 NW	SNOWFALL 1 IN ON GD						1.5 4	9.5 17	1.5 2	T				12.5 23
DOVER	SNOWFALL 1 IN ON GD						T	9.1 10	1.3 1	T				10.4 11
GEORGETOWN 5 SW	SNOWFALL 1 IN ON GD						T	-	1.0 1					-
LEWES 1 SW	SNOWFALL 1 IN ON GD						T	11.9 18	3.9 3	T				15.8 21
MILFORD 2 WSW	SNOWFALL 1 IN ON GD						.4	8.5 15	1.0 1	T				9.9 16
SELBYVILLE	SNOWFALL 1 IN ON GD						T	11.8 14	2.5 1					14.3 15

See Reference Notes Following Station Index

DAILY TEMPERATURES

MARYLAND AND DELAWARE
JULY
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																																	
* * *																																	
SOUTHERN EASTERN SHORE 01																																	
ASSATEAGUE STATE PARK	MAX	82	84	79	81	81	82	81	81	76	74	78	80	80	78	78	81	79	82	84	78	75	74	76	79	81	78	82	83	85	84	79	79.9
	MIN	55	56	66	70	66	64	64	68	66	64	63	63	69	65	67	65	63	54	56	65	64	62	62	70	70	70	72	69	70	71	70	65.2
CRISFIELD SOMERS COVE	MAX	84	83	85	89	89	86	84	82	82	81	80	84	83	83	85	85	85	84	84	83	84	77	78	83	84	84	86	86	87	86	85	84.0
	MIN	72	68	70	70	70	69	68	73	73	68	70	68	71	68	68	76	68	69	74	71	66	61	63	72	71	71	73	73	78	76	73	70.5
POCOMOXE CITY 1 S	MAX																																
	MIN																																
PRINCESS ANNE	MAX	87	86	86	91	79	84	86	85	85	80	84	85	84	83	87	89	89	86	89	88	81	80	80	86	87	86	89	91	90	86	88	85.7
	MIN	68	65	69	71	69	55	58	59	67	68	68	66	62	55	67	76	63	59	62	61	63	61	67	70	68	71	68	67	68	73	73	65.7
SALISBURY	MAX	86	85	86	91	91	84	86	85	86	82	85	86	85	82	86	88	87	87	88	90	82	79	78	85	87	86	88	90	88	84	85	85.7
	MIN	68	66	69	73	71	63	59	63	68	68	67	67	65	59	66	76	63	62	63	65	65	60	67	70	69	72	70	70	72	72	74	67.2
SALISBURY FAA AIRPORT	MAX	85	83	85	91	77	82	85	85	84	79	84	84	82	81	87	83	83	87	87	88	72	79	78	85	86	83	87	89	88	83	83	83.9
	MIN	67	67	70	72	66	62	56	62	68	70	71	68	62	58	66	69	63	61	66	64	63	63	70	72	69	73	71	70	72	74	73	67.1
SNOW HILL 4 N	MAX	85	83	84	90	89	81	85	83	82	80	84	84	83	80	85	88	83	86	87	85	72	78	78	84	84	84	86	87	88	83	85	87.7
	MIN	64	62	67	71	68	60	54	58	65	66	66	64	60	54	65	72	59	57	62	59	65	61	66	68	66	69	66	66	67	69	69	64.0
* * *																																	
CENTRAL EASTERN SHORE 02																																	
BLACKWATER REFUGE	MAX	90	87	88	92	92	83	86	86	88	85	86	87	85	83	89	89	89	88	89	89	78	80	80	85	88	89	92	91	91	92	88	87.3
	MIN	71	69	71	75	69	63	55	70	73	69	71	66	66	61	69	72	65	61	72	72	64	62	67	71	71	71	71	71	71	72	75	68.6
CAMBRIDGE 4 W	MAX	87	88	87	92	79	85	85	87	85	80	85	85	84	83	89	90	84	89	89	89	75	80	77	88	88	88	89	90	89	87	89	85.9
	MIN	70	68	71	75	72	61	55	66	71	69	70	67	64	61	67	76	67	60	68	68	67	62	65	72	69	70	68	69	70	72	74	67.9
DENTON 1 NW	MAX	87	88	90	93	79	83	87	85	87	79	86	85	84	82	88	90	86	90	91	91	75	80	79	84	90	90	92	91	91	87	88	86.4
	MIN	65	67	70	69	68	59	56	62	67	67	67	65	60	58	66	76	60	61	66	66	64	62	65	69	67	69	67	69	71	71	71	65.8
EASTON POLICE BARRACKS	MAX	90	89	89	92	88	85	87	87	89	83	86	86	86	84	88	89	89	88	90	90	83	85	79	86	89	90	91	91	90	86	91	87.6
	MIN	67	68	72	73	67	61	56	61	64	61	69	68	65	62	67	76	66	64	69	67	67	62	67	71	69	70	71	69	69	69	68	66.9
PRESTON 1 S	MAX	88	87	89	92	80	84	87	86	88	82	86	85	84	84	86	87	83	87	89	88	74	80	77	85	90	90	92	91	89	86	88	85.9
	MIN	68	67	70	73	68	60	56	65	67	69	69	66	62	60	67	76	62	61	70	65	65	62	66	71	69	71	69	70	71	72	74	67.1
ROYAL OAK	MAX	89	88	88	91	80	84	86	85	86	81	86	87	86	85	88	89	88	88	89	90	75	82	78	86	88	90	90	91	90	87	89	86.5
	MIN	67	68	72	71	67	64	57	70	70	68	70	67	62	62	68	77	65	62	69	70	65	63	67	70	69	70	69	70	71	71	72	67.8
VIENNA	MAX	89	87	91	91	83	86	88	88	88	79	86	88	87	85	87	91	87	90	90	90	77	83	80	85	89	92	91	93	91	88	89	87.4
	MIN	69	69	71	75	70	63	59	60	69	69	71	68	65	63	69	78	64	64	71	71	66	62	68	72	70	74	72	74	74	74	75	69.0
* * *																																	
LOWER SOUTHERN 03																																	
CHARLOTTE HALL 2 SE	MAX	92	93	88	94	92	92	92	87	88	89	88	87	88	86	91	91	91	91	91	81	91	91	81	86	86	89	91	91	91	90	90	89.2
	MIN	65	69	72	70	66	61	59	67	72	67	68	64	61	61	67	73	57	67	66	68	63	62	67	71	64	70	67	69	68	71	74	66.5
LA PLATA 1 W	MAX	88	89	90	94	79	83	88	90	88	76	85	86	85	83	91	90	85	89	91	92	75	80	76	85	88	90	91	91	90	88	92	86.7
	MIN	65	70	68	72	65	59	53	66	71	68	69	63	58	60	63	71	57	59	63	69	61	61	66	70	67	67	64	69	69	68	72	65.3
LEONARDTOWN 3 NW	MAX	92	92	90	96	95	84	90	91	90	87	86	87	89	88	92	90	88	90	94	94	74	73	78	85	86	91	92	94	93	94	94	89.2
	MIN	65	64	71	73	70	61	51	69	73	66	70	66	59	57	51	76	73	57	62	72	65	62	72	65	68	71	67	60	68	69	72	66.1
OWINGS FERRY LANDING	MAX	88	91	89	92	81	84	82	88	88	79	86	86	86	85	92	90	86	90	90	92	78	77	75	76	88	91	90	91	89	87	91	86.4
	MIN	67	67	68	70	65	60	55	67	68	67	67	64	60	61	67	72	59	65	67	68	61	61	65	69	68	70	68	69	69	69	70	65.9
PRINCE FREDERICK 1 N	MAX	92	90	85	93	79	83	84	86	86	80	85	85	85	83	90	90	85	89	90	91	75	77	75	84	87	88	88	90	89	88	88	85.7
	MIN	66	67	70	73	65	60	54	67	71	68	63	64	59	57	69	74	61	58	65	66	62	67	67	69	68	68	62	68	67	70	71	65.7
SOLOMONS	MAX	92	86	85	95	87	85	85	86	84	80	82	84	85	85	90	90	89	89	88	87	74	77	76	85	86	89	89	90	90	88	89	86.0
	MIN	73	70	72	76	68	65	64	70	75	69	71	69	69	68	73	76	65	68	71	73	63	63	71	72	75	75	64	65	74	74	78	70.3
WALDORF POLICE BRKS	MAX	93	91	90	94	92	84	87	87	87	87	86	86	88	88	91	90	92	90	91	91	77	79	79	86	89	91	90	92	93	90	93	88.5
	MIN	64	67	66	71	63	57	51	61	66	65	65	61	56	59	65	76	71	60	62	67	60	59	67	67	65	65	64	66	67	68	69	64.2
* * *																																	
UPPER SOUTHERN 04																																	
ANNAPOLIS	MAX																																
	MIN																																
BALTIMORE WB AIRPORT	MAX	91	89	88	92	80	85	86	89	86	78	85	86	85	83	91	88	86	91	94	92	79	79	73	84	89	90	88	91	91	87	91	86.7
	MIN	70	70	74	73	64	60	59	66	69	68	66	65	62	64	70	67	63	62	67	68	65	65	68	72	70	72	69	72	72	73	73	67.7
BELTSVILLE	MAX	90	88	90	87	82	77	81	85	87	85	78	83	84	83	83	90	86	83	88	90	90	76	78	78	85	89	88	90	91	90	89	85.5
	MIN	66	69	69	72	64	58	52	65	68	67	63	65	58	60	67	69	60	57	61	67	62	63	63	68	66	67	65	67	71	71	71	64.8
BELTSVILLE PLANT STA 5	MAX	91	89	91	88	92	89	82	86	86	85	78	83	85	85	83	89	87	85	88	89	89	77	80	75	86	90	89	92	91	92	87	86.4
	MIN	65	70	69	72	66	58	52	62	70	67	64	65	58	61	67	69	61	58	62	68	63	63	65	70	67	66	66	68	70	71	71	65.3
COLLEGE PARK	MAX	92	90	87	93	90	85	88	89	87	85	84	86	88	84	91	92	88	91	90	90	78	80	80	86	90	90	92	93	93	93	88.2	
	MIN	68	70	7																													

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DAILY TEMPERATURES

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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 MIN	92 69	91 69	92 69	93 73	81 67	84 61	88 55	89 62	87 69	79 63	85 65	87 65	86 60	85 63	90 68	89 69	88 61	90 65	89 63	89 62	79 63	78 65	85 70	90 69	91 67	92 68	91 71	92 71	90 71	92 71	87.5 66.2		
SUITLAND	MAX MIN	92 67	90 68	90 68	88 74	91 67	81 60	83 54	87 63	87 68	86 63	77 65	84 65	85 63	86 65	83 68	89 69	86 63	85 63	87 67	88 69	89 63	78 62	77 64	73 68	86 70	87 68	89 69	89 71	90 69	87 71	87 72	85.8 66.4	
U. S. SOLDIERS HOME DC	MAX MIN	89 70	92 69	90 70	93 73	81 65	84 61	88 62	87 69	86 66	80 67	85 66	87 65	83 65	89 69	90 69	88 68	85 62	89 67	89 72	88 67	79 62	80 64	73 67	86 69	90 70	91 70	92 71	91 74	88 71	92 72	87.0 67.7		
UPPER MARLBOROUGH 3 NW	MAX MIN	92 65	88 68	90 67	88 73	93 65	79 57	84 52	86 63	87 69	85 68	77 65	35 66	85 58	85 60	83 67	91 69	88 60	85 39	90 62	91 69	90 63	78 56	78 64	75 69	86 67	89 68	90 65	91 68	91 69	87 70	87 70	86.4 64.9	
* * *																																		
NORTHERN EASTERN SHORE 05																																		
CENTREVILLE	MAX MIN	89 67	90 68	89 70	90 70	80 67	84 59	85 53	87 63	87 67	82 68	84 68	85 67	84 59	83 60	89 68	88 70	84 63	89 60	90 65	91 67	78 64	80 63	77 65	85 69	89 67	90 68	91 68	91 68	90 72	89 71	90 71	86.5 55.9	
CHESTERTOWN	MAX MIN	86 66	88 68	88 70	90 67	80 67	84 61	86 57	85 67	86 68	77 68	84 68	86 65	85 61	87 62	87 65	89 69	87 61	87 65	89 66	89 68	78 63	80 62	76 65	86 69	89 70	93 68	92 68	94 70	89 72	89 71	85.9 66.5		
COLEMAN 3 NW	MAX MIN	91 68	88 68	87 70	91 67	83 67	85 61	88 57	87 67	87 68	78 68	85 68	86 65	85 61	87 62	86 65	90 69	86 61	89 65	91 66	92 68	79 63	80 62	80 61	84 68	90 68	91 69	91 71	92 72	87 71	88 71	87.0 66.5		
EASTERN NECK ISLAND	MAX MIN	89 70	87 70	85 73	89 77	86 70	82 66	84 63	84 73	86 71	84 69	84 70	85 71	84 64	87 65	86 68	85 73	86 67	87 71	88 68	77 64	77 62	75 67	83 70	86 70	88 72	89 71	89 76	88 75	85 74	87 74	85.0 69.7		
MILLINGTON	MAX MIN	88 64	87 66	88 68	91 71	86 64	82 57	88 53	86 60	87 66	82 67	85 66	84 64	83 58	83 59	89 66	87 69	85 58	89 66	91 67	91 65	77 62	78 61	76 62	82 68	90 66	90 68	93 67	93 67	92 70	86 70	88 73	86.3 64.9	
* * *																																		
NORTHERN CENTRAL 06																																		
ASERDEEN PHILLIPS FLD	MAX MIN	90 63	85 69				84 65	85 65	87 67	86 69	79 70			82 62	80 69	86 70	87 61	84 61			91 64	77 65	79 65	75 69	82 69		88 68	90 70	88 69	86 70	88 70	84.5		
BALTIMORE WB CITY	MAX MIN	90 73	90 71	89 73	95 74	82 69	86 68	89 67	88 70	84 71	78 71	86 71	88 71	88 72	91 74	90 70	89 66	91 72	93 74	89 70	79 66	82 68	76 71	86 71	89 73	92 76	90 70	94 76	94 76	89 76	89 77	87.7 71.8		
BENSON POLICE BARRACKS	MAX MIN	90 66	90 66	87 70	91 69	90 65	82 61	86 56	86 63	84 67	82 65	84 66	85 66	84 61	82 60	86 67	86 68	85 61	89 60	88 64	79 61	79 64	79 61	83 67	90 66	90 66	90 68	91 68	91 68	90 72	89 71	86.4 65.3		
BOYDS 2 NW	MAX MIN	86 63	92 67	87 67	88 66	79 64	80 57	83 58	85 63	81 68	77 66	81 62	82 66	81 63	88 68	87 65	82 58	86 61	87 61	86 67	77 62	76 67	82 68	87 64	86 67	89 65	89 67	88 67	88 69	88 69	89 69	84.2 64.4		
CAYOCTIN MOUNTAIN PARK	MAX MIN	84 63	87 66	86 68	84 66	82 59	80 59	80 62	80 61	77 62	74 62	74 60	78 60	79 60	80 63	83 60	81 60	78 51	82 56	82 64	79 63	73 54	75 58	78 65	83 67	84 66	82 68	85 68	85 71	85 65	84 68	80.5 62.4		
CLARKSVILLE 3 NNE	MAX MIN	88 61	91 69	89 69	90 69	79 61	80 53	85 49	86 58	84 67	79 66	83 68	84 60	83 55	89 60	89 61	83 54	88 55	89 61	88 61	76 61	78 61	77 62	85 73	89 65	88 62	91 65	91 68	89 68	89 69	85.6 62.8			
CONOWINGO DAM	MAX MIN	86 65	87 68	85 72	80 66	84 61	87 54	86 61	82 66	79 67	84 67	85 67	84 60	81 62	86 69	87 63	84 61	89 69	89 67	90 67	80 61	80 61	79 64	83 67	88 69	90 69	90 67	90 71	85 71	85 71	85 71	85.4 65.9		
ELKTON	MAX MIN	88 61	87 67	85 68	91 68	84 64	86 58	87 52	87 59	85 63	80 67	85 66	85 61	82 56	88 64	88 69	88 60	87 59	89 65	91 65	92 65	71 60	74 62	77 66	83 66	90 67	91 66	91 66	90 69	88 70	85 70	85.6 63.5		
EMMITSBURG 2 SE	MAX MIN	88 60	90 68	89 68	89 65	85 61	82 58	84 49	86 57	82 65	79 64	81 59	84 64	82 51	88 63	88 65	84 53	87 55	88 63	85 60	80 53	78 64	75 64	86 64	90 65	90 62	91 64	90 64	90 65	85 68	82 68	85.3 61.3		
FREDERICK WFMD	MAX MIN	91 63	96 63	88 69	89 65	89 61	83 63	85 54	87 64	81 66	79 66	86 66	85 66	85 57	89 61	88 68	88 57	82 68	88 68	86 61	83 62	86 60	78 60	76 64	85 64	87 66	91 66	91 62	90 64	90 68	91 68	86.8 63.1		
PARKTON 2 SW	MAX MIN	85 62	87 66	85 69	87 68	77 60	80 57	80 55	84 62	77 66	77 66	80 63	82 66	80 58	86 67	82 63	85 58	85 63	85 58	86 63	84 57	77 63	74 63	81 68	87 64	88 64	89 64	89 64	88 64	88 64	82.9 63.3			
ROCKVILLE 4 NE	MAX MIN	89 60	94 62	90 65	90 59	86 60	82 60	85 47	87 61	86 70	80 66	82 61	85 59	83 61	89 67	89 68	85 54	88 55	86 64	86 64	77 59	86 60	80 61	84 68	89 62	90 60	90 64	90 64	89 68	87 67	86.5 61.8			
TOWSON	MAX MIN	90 70	89 67	87 71	92 68	80 63	88 61	83 69	83 70	83 70	80 67	82 66	85 66	84 68	83 67	88 71	89 59	87 65	90 67	87 70	79 62	81 64	78 66	85 69	89 70	89 71	89 71	90 73	86 72	89 72	86.0 67.7			
UNIONVILLE	MAX MIN	86 61	90 69	89 68	89 65	89 62	82 53	84 50	85 61	80 67	78 66	80 62	83 68	83 53	80 68	88 67	87 62	86 52	87 61	85 58	79 61	75 61	73 64	83 68	87 66	87 62	87 61	89 64	89 68	85 70	90 70	84.5		
WESTMINSTER 2 SSE	MAX MIN	86 62	90 67	88 71	87 63	80 55	80 52	82 49	85 64	79 67	79 62	82 61	87 61	82 57	87 63	87 68	81 56	85 61	88 62	86 62	74 59	77 60	74 63	84 68	87 65	87 66	89 66	89 66	88 66	85 69	89 70	83.6 63.7		
WHEATON REGIONAL PARK	MAX MIN	86 63	89 70	86 67	92 72	84 65	82 59	86 53	88 64	84 65	80 66	81 64	82 65	82 60	86 68	84 70	83 59	87 59	88 62	86 61	78 62	76 61	82 67	83 66	90 66	92 66	92 66	90 68	92 68	84 70	89 70	85.0 64.9		
WOODSTOCK	MAX MIN	88 63	91 68	90 70	90 69	80 61	82 55	85 50	87 60	84 68	80 66	82 64	86 62	84 54	84 59	89 69	88 68			90 65	78 65	80 60	77 62	84 68		89 65	91 65	91 66	90 68	88 69	90 70	86.0 63.4		
* * *																																		
APPALACHIAN MOUNTAIN 07																																		
BOONSBORO	MAX MIN	87 63	92 68	87 68	88 69	84 61	81 58	83 58	83 66	81 69	78 66	78 62	83 62	83 60	81 66	87 68	86 68	82 56	85 61	86 65	83 70	78 56	75 62	75 66	82 68	88 69	87 67	89 66	89 67	88 68	86 68	88 70	84.0 64.9	
CHEWSVILLE BRIDGEPORT	MAX MIN	88 61	93 69	86 68	88 60	83 59	82 57	84 49	82 51	81 67	81 66	80 59	84 58	83 53	82 61	89 65	86 67	84 56	86 62	86 53	83 61	78 59	77 64	82 66	89 65	89 61	90 62	89 63	90 67	87 67	90 70	84.8 61.5		
CUMBERLAND	MAX MIN	93 63	93 64	96 64	85 59	80 57	81 51	85 49	90 52	85 63	82 59	83 58	88 59	88 55	94 65	89 64	85 54	88 62	85 53	90 62	85 53	88 61	72 58	72 64	88 64	88 64	88 64	85 64	90 64	90 64	91 64	85.5 60.5		
CUMBERLAND POLICE BRKS	MAX MIN	93 61	93 62	96 65	86 56	84 54	79 49	83 47	88 57	87 62	80 61	81 62	84 60	84 57	92 62	92 60	88 59	88 55	88 52	88 60	88 51	74 57	75 61	80 61	88 63	87 66	87 62	87 63	89 65	85 67	85 67	83.9 61.4		
FROSTBURG	MAX MIN	88 61	89 72	86 63	80 65	78 53	84 55	81 50	82 57	83 61	77 57	77 60	82 60	81 57	81 61	87 64	86 52	81 56	88 62	86 51	80 51	74 56	70 59	80 62	84 63	84 63	83 63	85 63	87 64	82 65	85 66	81.5 60.2		
HAGERSTOWN	MAX MIN	89 63	93 68	88 69	88 66	86 62	82 56	83 53	85 60	80 63	79 65	80 63	84 63	85 59	85 67	90 67	87 67	84 57	88 61	88 54	79 53	84 63	75 63	82 65	89 67	88 65	90 65	91 65	91 66	90 66	90 66	85.3 64.4		

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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	85	91	94	86	87	76	82	84	86	71	78	77	84	85	83	92	82	84	87	86	79	74	73	68	81	87	88	89	89	90	84	83.4
	MIN	60	68	62	66	59	60	49	56	65	65	60	59	56	64	68	68	54	57	62	63	56	58	60	65	68	63	65	66	67	69	69	62.2
PICARDY	MAX	96	95	85	87	78	82	85	86	78	82	78	83	84	82	91	89	84	88	86	78	76	73	70	80	90	85	88	89	91	84	91	84.4
	MIN	61	71	64	64	56	55	51	58	64	62	61	61	53	63	66	66	52	57	59	66	54	56	62	64	67	64	65	65	69	66	67	61.6
WESTERNPORT UPRC	MAX	93	95	90	86	75	81	84	89	80	79	78	83	86	84	92	89	84	87	90	86	80	73	74	80	89	89	86	89	93	87	91	85.3
	MIN	62	72	65	64	56	58	50	58	64	60	62	62	59	63	68	67	54	56	60	64	57	56	62	62	67	64	66	65	66	67	67	62.0
* * *																																	
ALLEGHENY PLATEAU 08																																	
BITTINGER 2 NW	MAX	83	82	80	75	65	70	74	77	73	70	72	73	76	79	81	70	75	77	80	70	64	66	62	82	79	81	79	80	82	75	80	73.2
	MIN	60	68	61	61	52	49	50	55	58	53	58	56	55	60	63	62	48	53	57	60	49	52	57	60	63	61	62	61	62	62	63	57.9
OAKLAND 1 SE	MAX	85	85	83	77	73	73	76	80	67	71	72	76	79	82	83	70	78	79	81	79	68	65	65	82	81	82	81	82	84	79	82	77.4
	MIN	59	69	60	60	52	53	42	51	60	52	59	55	54	51	59	63	45	48	51	64	50	54	58	57	63	53	60	60	63	62	65	56.6
SAVAGE RIVER DAM	MAX	82	87	88	83	86	69	73	81	83	68	75	75	78	83	84	86	74	80	81	84	76	70	69	66	80	84	82	83	86	86	80	79.6
	MIN	61	67	64	63	55	55	48	54	59	58	59	59	57	59	63	65	53	55	56	60	53	55	59	62	65	63	64	63	65	64	66	59.7
SINES DEEP CREEK 2																																	
MAX																																	
MIN																																	
DELAWARE																																	
* * *																																	
NORTHERN 01																																	
MIDDLETOWN 1 WSW	MAX	90	87	84	90	88	83	86	86	85	82	85	85	84	82	88	88	86	88	89	89	78	78	78	83	91	88	91	92	92	85	85	86.0
	MIN	64	68	65	71	65	58	56	62	66	68	67	64	58	61	61	69	61	61	66	64	63	63	63	68	68	69	68	67	72	71	72	65.1
NEWARK UNIVERSITY FARM	MAX	90	87	83	91	79	84	86	87	85	80	83	85	85	80	87	88	85	88	89	85	80	80	80	83	89	89	90	91	91	86	84	85.5
	MIN	63	67	68	68	64	59	57	59	62	67	66	64	59	59	67	67	60	60	66	64	60	61	62	65	68	67	67	66	70	69	70	64.2
WILMGTON NCATTLE WB AP	MAX	87	82	82	91	80	84	86	87	86	81	84	86	82	81	85	87	84	88	87	86	78	79	80	83	87	88	89	90	88	85	85	84.8
	MIN	68	70	71	70	64	62	59	67	70	70	68	66	62	64	71	68	64	65	70	71	65	65	67	69	71	71	72	72	74	75	77	68.3
WILMGTON PORTER RESVR	MAX	85	81	84	89	77	81	84	84	84	78	82	84	80	79	85	85	82	86	87	86	76	79	79	83	89	86	88	88	88	81	83	83.3
	MIN	63	63	67	71	64	62	63	65	66	66	65	64	64	62	66	66	60	63	68	68	61	62	63	65	68	68	70	68	70	69	72	65.5
* * *																																	
SOUTHERN 02																																	
BRIDGEVILLE 1 NW	MAX	87	85	87	91	81	83	86	84	86	78	86	84	84	81	86	88	84	89	89	91	80	80	77	87	90	90	91	91	90	85	88	85.8
	MIN	65	67	69	74	68	60	56	63	66	70	68	65	61	58	65	75	61	59	64	63	63	61	64	65	67	70	67	68	70	71	73	65.7
DOVER	MAX	88	84	82	91	91	83	86	88	85	84	84	84	85	82	88	88	87	88	88	90	88	79	79	82	86	86	88	90	90	84	85	85.9
	MIN	67	66	68	70	69	61	57	62	57	66	67	66	62	62	66	71	62	63	67	65	65	62	63	69	68	69	66	69	72	70	68	65.6
GEORGETOWN 5 SW	MAX	86	83	84	86	90	77	82	85	87	85	78	85	85	83	82	87	89	84	84	90	90	69	80	77	84	87	87	89	90	83	83	84.3
	MIN	67	66	67	71	70	68	58	61	60	73	68	65	60	62	66	71	60	58	64	62	65	61	64	69	67	70	68	67	70	71	77	65.9
LEWES 1 SW	MAX	82	81	81	90	77	82	84	84	84	78	84	78	80	79	89	89	80	90	87	84	74	76	74	81	82	85	85	87	90	80	85	82.6
	MIN	69	65	66	68	69	60	58	63	68	65	68	64	63	63	67	73	62	61	66	68	64	62	64	69	69	72	70	68	72	72	72	66.5
MILFORD 2 WSW	MAX	88	86	86	92	91	83	86	86	87	84	87	85	84	81	87	88	87	89	91	90	82	78	78	84	88	89	89	90	91	85	87	86.4
	MIN	65	66	69	73	67	59	54	63	66	69	68	65	60	58	65	75	59	60	65	63	64	62	63	68	67	71	68	69	71	71	72	65.6
SELBYVILLE	MAX	86	81	85	93	92	82	86	85	83	80	85	85	83	82	86	89	84	88	89	86	78	78	78	84	85	85	87	86	89	81	85	84.7
	MIN	67	65	65	72	70	61	57	62	64	66	67	65	65	57	66	74	61	61	66	63	63	61	66	70	66	71	68	68	70	69	72	65.8

See Reference Tables Following Station Index

MONTHLY AND SEASONAL HEATING DEGREE DAYS

SEASON OF 1969 - 1970

MARYLAND AND DELAWARE

Station	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL	NORMALS JULY-JUNE
MARYLAND														
* * *														
SOUTHERN EASTERN SHORE 01														
ASSATEAGUE STATE PARK	0	0	17	182	495	818	1084	765	726	374	108			
CRISFIELD SOMERS COVE	0	0	15	193	471	821	1061	754	681	301	68	0	4365	
POCOMOKE CITY 1 S	0	1	63	250	557	862	1090	768	713	346	79	6	4735	
PRINCESS ANNE	0	0	56	248	550	876	1116	768	743	324	85	7	4773	
SALISBURY	0	0	34	217	493	846	1061	726	691	288	72	2	4430	
SALISBURY FAA AIRPORT	0	0	55	293	602	864	1120	816	761	355	107	9	4982	
SNOW HILL 4 N	0	1	53	264	553	862	1118	765	738	355	104	8	4821	4143
* * *														
CENTRAL EASTERN SHORE 02														
BLACKWATER REFUGE	0	0	36	245	527	858	1075	782	718	302	68	0	4611	
CAMBRIDGE 4 W	0	0	39	260	545	899	1107	825	751	345	81	5	4858	
DENTON 1 WNW	0	1	54	285	587	923	1176	832	784	384	99	4	5129	
EASTON POLICE BARRACKS	0	0	35	239	518	891	1083	794	721	325	67	1	4674	
PRESTON 1 S	0	0	45	261	532	896	1122	794	743	354	86	3	4836	
ROYAL OAK	0	0	32	226	502	892	1102	806	730	330	60	0	4680	
VIENNA	0		25	229	489	852	1072	748	681	306	59	0		
* * *														
LOWER SOUTHERN 03														
CHARLOTTE HALL 2 SE	0	0	70	297	578	951	1110	827	713	281	52	1	4880	
LA PLATA 1 W	0	0	63	291	575	937	1108	793	720	309	63	4	4863	
LEONARDTOWN 3 NW	0	0	37	251	542	906			702	313	60			
OWINGS FERRY LANDING	0	0	53	269	542	905	1113	805	737	321	73	1	4819	4242
PRINCE FREDERICK 1 N	0	0	57	293	563	937	1113	805	742	340	84	5	4939	
SOLOMONS	0	0	14	194	494	862	1052	751	708	328	57	0	4460	3891
WALDORF POLICE BRKS	0	0	54	273	561	938	1103	784	699	313	71	6	4802	
* * *														
UPPER SOUTHERN 04														
ANNAPOLIS	0	0	28	243	569	918	1119	805						
BALTIMORE WB AIRPORT	0	0	26	251	561	916	1148	822	752	346	77	0	4899	4654
BELTSVILLE	0	2	76	357	648	991	1212	870	828	414	112	8	5518	
BELTSVILLE PLANT STA 5	0	0	69	330	613	970	1199	857	804	400	100	5	5347	
COLLEGE PARK	0				543	922	1097	796	731	316	53	1		4449
DALECARLIA RESVR D C	0	0	34	268		963	1140	799	731	296	48	3		
FORT GEORGE G MEADE	0	0	60	301	583	956	1147	819	752	349	73	7	5047	
GLENN DALE BELL STA	0	1	62	306	603	959	1151	832	757	369	79	8	5127	4646
LAUREL 3 W	0	0	30	230	548	949	1120	810	742	338	57	2	4825	
NATIONAL ARBORETUM D C	0	0	38	249	551	912	1087	778	698	302	56	0	4671	
SUITLAND	0	0	56	288	595	941	1149	837	788	386	97	4	5141	
U. S. SOLDIERS HOME DC	0	0	18	228	549	919	1105	814	733	325	69	0	4760	
UPPER MARLBORO 3 NNW	0	3	62	316	584	948	1164	829	806	392	102	1	5207	
* * *														
NORTHERN EASTERN SHORE 05														
CENTREVILLE	0	0	50	273	545	945	1128	817	758	354	72	3	4945	
CHESTERTOWN	0	0	37	251	573	930	1145	835	776	375	86	3	5011	
COLEMAN 3 WNW	0	0	29	251	556	954	1150	804	762	364	70	0	4940	4489
EASTERN NECK ISLAND	0	0	23	217	511	890	1121	775	746	352	68	0	4703	4518
HILLINGTON	0	1	62	305	590	969	1207	848	797	396	93	15	5283	
* * *														
NORTHERN CENTRAL 06														
ABERDEEN PHILLIPS FLD	0	0	43	299	587	972	1214	872	792	362	78	1	5220	
BALTIMORE WB CITY	0	0	10	192	493	866	1064	777	705	287	48	0	4442	4111
BENSON POLICE BARRACKS	0	0	40	338	602	984	1203	862	795	387	77	3	5311	
BOYDS 2 NW	1	0	68	308	660	1024	1199	882	798	357	80	3	5380	
CATOCTIN MOUNTAIN PARK	14	14	123	398	786	1211	1365	1021	936	471	117	18	6474	
CLARKSVILLE 3 NNE	0	7	81	369	661	1023	1254	886	810	420	92	13	5616	

See Reference Notes Following Station Index

MONTHLY AND SEASONAL HEATING DEGREE DAYS

Continued	SEASON OF 1969 - 1970												MARYLAND AND DELAWARE	
Station	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL	NORMALS JULY-JUNE
MARYLAND														
CONOWINGO DAM	0	0	58	312	657	1003	1269	930	847	419	93	12	5600	
ELKTON	0	5	71	325	628	1007	1224	864	813	389	103	7	5436	4826
EMMITTSBURG 2 SE	0	10	96	389	677	1078	1302	933	874	421	109	14	5703	
FREDERICK WFMD	1	0	64			1043	1219	871			74			5087
PARKTON 2 SW	0	6	100	367	695	1068	1287	962	900	440	139	24	5988	
ROCKVILLE 4 NE	0	2	106							381	60	8		
TOWSON	0	0	47	253	588	979	1172	858	803	361	70	1	5132	
UNIONVILLE	0	9	102	409	710	1066	1305	929	882	421	102	12	5947	
WESTMINSTER 2 SSE	0	4	86	362	683	1080	1267	925	879	403	113	11	5813	5037
WHEATON REGIONAL PARK	0	1	74	329	610	973	1200	850	809	372	72	7	5297	
WOODSTOCK		2	80	362	667	1014	1233	909	851	425	101	12		4963
* * *														
APPALACHIAN MOUNTAIN 07														
BOONSBORO	1	4	78	312	660	1009	1193	873	817	354	84	4	5389	
CHEWSVILLE BRIDGEPORT	0	2	75	342	699	1084	1247	917	809	352	83	13	5623	5234
CUMBERLAND	0	0	90	328	684	1091	1197	905	824	322	77	7	5525	
CUMBERLAND POLICE BRKS	2	1		347	680	1094	1206	914	828	346	82	14		
FROSTBURG	10	9	129	397	791	1209	1298	1023	944	421	120	27	6378	5749
HAGERSTOWN	0	0	70	321	670	1061	1237	914	833	355	71	3	5535	
HANCOCK FRUIT LAB	0	3	105	416	704	1049	1279	931	896	439	129	24	5975	
PICARDY	3	3	110	359	695	1088	1249	925	850	361	101	17	5761	
WESTERNPORT UPRC	1	0	65	347	677	1083	1190			337	79	13		
* * *														
ALLEGHENY PLATEAU 08														
BITTINGER 2 NW	17	52	224	547	896	1307	1410	1115	1057	533	198	85	7441	
OAKLAND 1 SE	7	34	195	488	849	1270	1347	1042	1006	497	180	60	6975	6403
SAVAGE RIVER DAM	2	15	153	475	789	1183	1330	1055	973	462	145	49	6631	
SINES DEEP CREEK 2	2	34	192	511	852									
DELAWARE														
* * *														
NORTHERN 01														
MIDDLETOWN 1 WSW	0	1	55	290	582	964	1179	835	768	373	92	1	5140	
NEWARK UNIVERSITY FARM	0	0	68	301	592	1009	1216	852	802	389	88	4	5321	
WILMGTN NCATTLE WB AP	0	0	41	288	606	993	1250	876	803	389	93	1	5342	4930
WILMGTN PORTER RESVR	0	1	70	325	638	1040	1306	928	864	437	117	10	5736	
* * *														
SOUTHERN 02														
BRIDGEVILLE 1 NW	0	0	55	314	595	944	1175	817	779	371	115	9	5174	4409
DOVER	0	0	28	256	557	925	1137	813	762	346	89	4	4917	4354
GEORGETOWN 5 SW	0	4	82	332	628	979	1197	829	790	376	136	9	5362	
LEWES 1 SW	0	0	40	272	544	892	1126	794	775	388	121	7	4959	
MILFORD 2 WSW	0	2	61	305	604	929	1122	784	737	339	97	7	4987	
SELBYVILLE	0	0	39	246	529	866	1103	758	729	335	89	7	4701	

See Reference Notes Following Station Index

EVAPORATION AND WIND

MARYLAND AND DELAWARE
JULY 1970

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	.22	.42	-	.24	-	.13	.43	.16	.29	.37	.01	.33	.22	.28	.31	.18	.42	*	*	.97	.14	.14	.17	*	.15	.18	.27	.10	.18	.21	.11	7.098
	WIND	80	52	30	47	41	53	51	24	74	78	40	49	48	27	53	35	112	27	32	56	70	37	23	39	18	17	21	13	17	26	22	1313
	MAX	92	95	93	95	98	84	87	91	90	83	82	89	91	90	83	93	89	92	94	96	90	86	84	84	92	95	97	99	97	98	94	91.1
	MIN	65	70	71	73	70	64	62	62	63	69	66	68	68	68	69	61	62	72	69	63	64	67	59	72	73	73	73	74	74	74	68.4	
UPPER HARLBORO 3 NNW	EVAP	.12	.35	.28	.14	.33	.20	.27	.23	.25	.13	.15	.15	.20	.25	.19	.16	.29	.25	.24	.30	.24	.16	.13	*	.23	.14	*	.44	.20	.23	.17	6.42
	WIND	43	45	18	5	17	22	26	24	9	1	0	5	25	17	36	15	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MAX	94	97	94	95	99	88	92	93	91	89	79	91	93	93	87	93	92	95	95	96	93	87	-	83	94	96	93	87	85	85	-	91.1
	MIN	64	70	70	72	63	64	62	67	67	69	68	58	67	67	67	63	62	63	63	70	65	65	67	70	71	72	72	74	70	73	73	67.7
* * * * *																																	
APPALACHIAN MOUNTAIN	07																																
BOONSBORO	EVAP	.20	.21	.14	.22	.27	.19	.19	.18	.09	.10	.10	.19	.13	.26	.15	.33	.24	.22	.20	.17	.21	.13	.04	.07	.14	.20	.20	.19	.18	.24	.20	5.58
	WIND	11	6	8	14	19	12	7	19	52	14	7	12	6	35	33	32	16	14	15	33	27	5	11	11	10	12	7	11	11	12	15	497
* * * * *																																	
ALLEGHENY PLATEAU	08																																
SAVAGE RIVER DAM	EVAP	-	.29	.26	.13	.18	.17	.17	.32	.26	.03	.01	.17	.27	.07	.25	.27	.26	.17	.26	.15	.17	.03	.20	.02	.16	.22	*	.44	.11	.16	.12	5.508
	WIND	118	74	67	19	86	73	69	31	36	22	28	63	60	19	17	45	101	21	47	23	69	42	31	27	40	39	23	34	30	41	19	1414
	MAX	80	91	90	85	84	75	85	88	86	68	79	78	82	89	89	92	78	91	86	90	79	79	74	67	87	92	94	89	91	96	82	84.4
	MIN	65	66	68	69	60	61	55	61	60	62	62	62	62	63	72	69	57	56	60	62	58	57	61	67	65	67	69	63	68	70	69	63.4
DELAWARE																																	
* * * * *																																	
NORTHERN	01																																
NEWARK UNIVERSITY FARM	EVAP	.15	.29	.12	.19	.20	.13	.40	.23	.22	.14	.06	.39	.12	.17	.20	.22	.30	.26	.29	.21	.19	.16	.03	.18	.16	.18	.12	*	.35	.06	.25	5.97
	WIND	96	95	96	96	87	89	91	92	91	86	87	92	91	84	86	88	93	93	95	94	88	86	85	85	94	94	95	96	95	86	85	90.7
	MIN	67	69	70	74	68	61	60	67	67	69	69	66	67	65	66	71	60	60	70	68	64	65	68	68	72	71	72	72	75	72	73	68.1
* * * * *																																	
SOUTHERN	02																																
GEDAGETOWN 5 SW	EVAP	.29	.32	.20	.13	.38	.03	.24	.06	.64	.25	.18	*	.39	.29	.23	.20	.36	.23	.34	.33	.38	*	.13	.02	*	.27	.30	.30	.20	.51	.11	7.41
	WIND	94	74	36	52	89	22	43	40	113	135	93	*	75	34	64	19	90	55	81	67	17	44	30	32	26	35	26	20	29	46	42	1623

STATION INDEX

MARYLAND AND DELAWARE
JULY 1970

STATION	INDEX NO.	DIVISION	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER
								TEMP.	PRECIP.	EVAP.	SPECIAL	
MARYLAND												
ANDREWS PHILLIPS FLD	0015	06	HARTFORD		39 28	76 10	57	5P	5P			ROSS AVIATION INC.
ANNAPOLIS	0193	01	ANNE ARUNDEL		39 28	76 30	40	6P	6P			ARTHUR H. MILLER
ASSATEGOUS STATE PARK	0355	01	DOUGHERTY		39 14	75 08	7	6P	6P			ASSATEGOUS STATE PARK
BALTIMORE W. AIRPORT	0405	04	ANNE ARUNDEL		39 11	76 03	148	MID	MID			U.S. WEATHER BUREAU
BALTIMORE W. CITY	0470	06	BALTO CITY		39 17	76 37	14	MID	MID			U.S. WEATHER BUREAU
BELTSVILLE PLANT STA	0709	04	PRIN. GEORGES		39 09	76 59	120	6P	6P			CHESTER M. GORDON
BELTSVILLE PLANT STA	0732	04	PRIN. GEORGES		39 01	76 57	120	6P	6P			USDA PLANT IND. STA.
BENSON POLICE BARRACKS	0732	06	MARFORD		39 30	76 43	355	5P	5P			MO. STATE POLICE
BITTINGER L. NW	0881	06	GARRETT		39 37	75 15	2700	5P	5P			ELBERT E. BUCKEL
BLACKWATER REFUGE	0912	02	DOUGHERTY		39 20	75 08	3	5P	5P			NAT. WILDLIFE REFUGE
ADAMS RD	0986	07	WASHINGTON		39 31	77 39	735	6P	6P			J. McHARD RECHENBAUM
BURNS L. NW	1032	06	MONTGOMERY		39 13	77 20	590	6P	6P			MUNTER F. STALEY
BUTTERN DAM	1125	06	MONTGOMERY		39 12	77 01	330	6P	6P			WASH. SUB. SANIT. COMM.
BUTTERN DAM	1170	06	MONTGOMERY		39 12	77 01	330	6P	6P			WASH. SUB. SANIT. COMM.
CAMPBELL L. NW	1355	02	DOUGHERTY		39 34	75 03	5	6P	6P			DR. JACOB H. HAZARD
CATCOTT MOUNTAIN PARK	1530	06	FREDERICK		39 39	77 27	1750	4P	4P			CATCOTT MOUNTAIN PARK
CENTREVILLE	1927	09	QUEEN ANNES		39 09	76 03	44	6P	6P			MARION G. LESTER
CHARLOTTE HALL 2 SE	1986	03	ST. MARYS		39 28	76 43	166	5P	5P			MRS. SUSAN M. CARRICO
CHESTERDOWN	1750	05	KENT		39 13	76 04	40	LIP	LIP			T. W. ELIASON, JR.
CHESTERVILLE BRIDGEPORT	1750	07	WASHINGTON		39 39	77 40	560	6P	6P			LAUSON H. WOLFFINGER
CLARKSVILLE 3 NNE	1962	06	HOWARD		39 15	76 56	365	5P	5P			UNIVERSITY OF MARYLAND
COLEMAN 3 NW	1960	05	KENT		39 21	76 08	78	6P	6P			W. B. HARRIS
COLLEGE PARK	1955	04	PRIN. GEORGES		39 30	76 56	78	5P	5P			U.S. GEOL. SURVEY
CORNING DAM	2060	06	MARFORD		39 39	76 12	40	LIP	LIP			SUSQUEHANNA ELECTRIC CO.
CRASTFIELD SCHWERS COVE	2215	01	DOUGHERTY		39 37	75 52	8	5P	5P			SCHWERS COVE MARINA
CUMBERLAND	2260	07	ALLEGANY		39 39	78 45	900	6P	6P			P. THOMAS B. THOMAS
CUMBERLAND POLICE BARS	2269	07	ALLEGANY		39 36	78 50	970	5P	5P			MO. STATE POLICE
DUNN L. NW	2523	02	CARROLL		39 34	75 51	40	6P	6P			JOHN B. CONLEY
EASTERN NECK ISLAND	2541	05	KENT		39 01	76 14	20	5P	5P			EASTERN NECK ISLAND REF.
EASTON POLICE BARRACKS	2700	02	TALBOT		39 45	76 04	40	5P	5P			MARYLAND STATE POLICE
EGGEMONT	2770	07	WASHINGTON		39 40	77 33	905	7A				LEE G. HARNE
ELKTON	2840	06	CECIL		39 37	75 30	40	6P	6P			M. W. BOULLE
EMMITSBURG 2 SE	2906	06	FREDERICK		39 41	77 18	416	5P	5P			MRS. LUCILLE X. BEALE
FAT GEORGE G. HEADS	3233	06	ANNE ARUNDEL		39 06	76 43	140	5P	5P			WILKINSON PLANT
FREDERICK WFO	3340	06	FREDERICK		39 25	77 28	435	6P	6P			RADIO STATION WFO
FREDERICK 3 E	3356	06	FREDERICK		39 24	77 22	385	6P	6P			MISS J. MARY STALEY
FROSTBURG	3410	07	ALLEGANY		39 39	78 56	2140	5P	5P			G. DAVID DOWNTON
GLENN DALE BELL STA	3675	04	PRIN. GEORGES		39 38	76 48	150	4P	4P			PLANT INTRO. GARDEN
GRANTSVILLE	3795	08	GARRETT		39 42	79 09	2360					MRS. FANNIE B. MILLER
HAGERSTOWN	3975	07	WASHINGTON		39 39	77 44	660	6P	6P			HAGERSTOWN RESERVOIR
HANCOCK FRUIT LAB	4030	07	WASHINGTON		39 42	78 11	428	8A	8A			U. OF MD. FRUIT LAB.
LA PLATA 1 W	5060	03	CHARLES		38 32	77 00	140	5P	5P			C. RUSSELL LEVARTING
LUNEL 3 W	5113	04	PRIN. GEORGES		39 06	76 54	400	5P	5P			WASH. SUB. SANIT. COMM.
LEONARDOTON 3 NW	5201	08	ST. MARYS		38 19	76 40	110	5P	5P			RADIO STATION WFLA
LDC PAVEN DAM	5340	06	BALTIMORE		39 26	76 33	190	5P	5P			CITY OF BALTIMORE
MERRILL	5894	06	GARRETT		39 36	76 05	1790	8A				LEONARD H. MERRILL
MILLINGTON	5988	05	KENT		39 18	75 51	90	6P	6P			LOUIS H. HOLLEY
NEW GERMANY	6408	08	GARRETT		39 38	79 07	2590					ARCHIE BITTINGER
OAKLAND 1 SE	6620	08	GARRETT		39 24	79 24	2420	5P	5P			W. LOGAN WEBER
ORANGE PERRY LANDING	6770	03	CALVERT		38 41	76 40	160	5P	5P			JAMES E. BOUNE, JR.
PARKTON 2 SW	6844	08	BALTIMORE		39 38	76 42	600	LIP	LIP			JOHN R. FOX
PERRY POINT	6910	06	CECIL		39 33	76 04	40	6P	6P			VETERANS ADMINISTRATION
PICARDY	7010	07	ALLEGANY		39 33	78 31	1030	6P	6P			POTOMAC MND. ORCHARD
POTOMAC CITY 1 S	7140	01	MONTGOMERY		39 03	75 34	20	5P	5P			RADIO STATION MDW
POTOMAC FILTER PLANT	7270	06	MONTGOMERY		39 02	77 13	270	8A				WASH. SANITARY COMM.
PRESTON 1 S	7310	02	CAROLINE		39 42	75 55	90	6P	6P			FRANKLIN D. NUSBAUM
PRINCE FREDERICK 1 N	7325	03	CALVERT		39 33	76 35	135	5P	5P			STANLEY L. WATSON
PRINCESS ANNE	7340	01	SOMERSET		38 13	75 41	20	5P	5P			MARYLAND ST. COLLEGE PRN
ROCKVILLE 4 NE	7709	06	MONTGOMERY		39 07	77 06	320	5P	5P			WILLIAM R. NOPPER
ROYAL OAK	7809	02	TALBOT		38 43	76 11	10	6P	6P			J. L. SHALINE, JR.

1 DRAINAGE CODES: 1-CHESAPEAKE 2-COASTAL 3-PATAPSCO 4-PATUXENT 5-POTOMAC 6-SUSQUEHANNA 7-YOUGHIOTENT

REFERENCE NOTES

MARYLAND AND DELAWARE
JULY 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.

DELATED 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" bulletins 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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