

Climatological Data



MARYLAND AND DELAWARE

TEMPERATURE AND PRECIPITATION EXTREMES

HIGHEST TEMPERATURE:	3 STATIONS		67	DATE 02+
LOWEST TEMPERATURE:	OAKLAND 1 SE	MD.	-8	DATE 08
GREATEST TOTAL PRECIPITATION:	SNOW HILL 4 N	MD.	8.92	
LEAST TOTAL PRECIPITATION:	FROSTBURG 2	MD.	2.35	
GREATEST 1 DAY PRECIPITATION:	TOWSON	MD.	4.20	DATE 18
GREATEST TOTAL SNOWFALL:	FROSTBURG 2	MD.	19.8	
GREATEST DEPTH OF SNOW OR ICE:	FROSTBURG 2	MD.	8	DATE 12+

SUPPLEMENTAL DATA

	WIND (SPEED - M.P.H.)				RELATIVE HUMIDITY AVERAGES- PERCENT				NUMBER OF DAYS WITH PRECIPITATION						PERCENT OF POSSIBLE SUNSHINE AVERAGE (TENTHS)	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												
BALTIMORE WSO AP MD	29	3.6	8.8	35	W	09	65	70	57	58	5	4	7	1	0	1	18	48	6.4
WILMINGTON WSO AP DEL	30	3.7	10.4	31++	30	09	70	73	58	63	1	4	5	2	2	0	14	-	6.8

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC CENTER, ASHEVILLE, NORTH CAROLINA 28801.

Daniel B. Mitchell

DIRECTOR
NATIONAL CLIMATIC CENTER

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / ENVIRONMENTAL DATA SERVICE / NATIONAL CLIMATIC CENTER ASHEVILLE, N.C.

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND DELAWARE
DECEMBER 1977

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	TOTAL	SNOW SLEET		NO. OF DAYS							
										MAX.		MIN.							TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	TOTAL	MAX. DEPTH ON GROUND	DATE	1.00 OR MORE	.50 OR MORE	1.00 OR MORE
										50° OR ABOVE	32° OR ABOVE	32° OR BELOW	50° OR BELOW															
■ ■ ■ APPALACHIAN MOUNTAIN 07																												
CUMBERLAND 2	41.9	22.7	32.3		58	1	9	9	1005	0	7	26	0	2.91		.85	1	5.0		2	21	7	2	0				
CUMBERLAND POLICE BRKS	34.0	18.4	26.2		58	-2	-2	11	1197	0	13	27	2	2.35		.52	6	19.8		8	12+	9	1	0				
FROSTBURG 2	39.3	24.6	32.0		52	24+	8	27	1015	0	6	27	0	3.97		1.14	18	1.9		T	2N	7	2	1				
HAGERSTOWN	36.1	23.1	30.6		54	2	7	27+	1057	0	6	22	0	3.44	.89	1.08	1	2.8		T	21+	7	3	1				
HANCOCK FRUIT LAB																												
DIVISION			30.3	-2.8										3.17				7.4										
■ ■ ■ ALLEGHENY PLATEAU 08																												
MCHENRY 2 NW	33.7	17.7	25.7		60	2	-3	10	1212	0	13	28	8	4.07		1.16	1	12.0		5	12+	12	1	1				
OAKLAND 1 SE	37.5	16.0	26.8	-2.4	64	1	-8	8	1177	0	9	30	6	3.86	.05	1.00	1	11.9		3	11+	9	3	1				
SAVAGE RIVER DAM	35.4	19.1	27.3		55	2	4	13+	1162	0	8	30	0	3.36		.95	1	5.0		2	22+	9	2	0				
DIVISION			26.6	-2.1										3.76		.22		9.6										

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND DELAWARE
DECEMBER 1977

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					
										30° OR ABOVE	32° OR MORE	50° OR MORE	59° OR MORE					TOTAL	TOTAL	DATE	TOTAL	MAX. DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
DELAWARE																										
NORTHERN 01																										
MIDDLETOWN 1 WSW	44.5	27.5	36.0		57	14+	10	11	892	0	3	21	0	6.12		18		T	0		9	3	1			
NEWARK UNIVERSITY FARM	43.2	26.3	34.8	-.3	56	15	8	10	927	0	4	23	0	6.49	3.18	18		T	0		10	4	2			
WILMINGTON WSO AP	41.3	25.4	33.4	-1.3	56	14	9	27	975	0	6	23	0	5.81	2.49	18		T	1	7	9	4	2			
WILMINGTON PORTER RESVR	41.2	25.5	33.4	-1.1	55	14	9	29+	977	0	6	23	0	6.52	3.09	18		T	0		10	4	3			
DIVISION			34.4	-.5										6.24	2.89			T								
SOUTHERN 02																										
BRIDGEVILLE 1 NW	47.1	28.6	37.9	1.0	64	1	10	27+	836	0	3	20	0	7.88	4.47	18		T	0		12	6	3			
DOVER	47.4	29.1	38.3	1.0	67	2	11	27+	821	0	2	19	0	6.99	3.57	18		T	0		11	6	2			
GEORGETOWN 5 SW	45.8	26.7	36.3		65	1	7	27	884	0	6	19	0	7.99		19		T	0		11	4	2			
LEWES 1 SW	46.1	29.1	37.6		65	1	11	27	843	0	3	17	0	7.33		18		T	0		9	6	6			
MILFORD 2 WSW	47.3	28.4	37.9		65	1	8	27+	836	0	3	19	0	7.11		18		T	0		11	6	1			
DIVISION			37.6	.3										7.46	3.90			T								

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION

MARYLAND AND DELAWARE
DECEMBER 1977

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 NSW	6.12	.90			.48	.04	T	T	.16					T	.46	.68			2.16	.41	.08	.48											.27		T		
NEWARK UNIVERSITY FARM	6.49	1.12			.30	.13	T		.06						.72	.31			2.13	.43	.01	.77											.40			.13	
WILMINGTON USD AP	5.81	.30			.53	.03			.08						.01	1.08			1.89	.26	.28	.69										.37			.19	.02	
WILMINGTON PORTER RESVR	6.52	.27	T		.51	.02			.14						.02	1.10	T		2.15	.24	.25	1.23									.40			.16	.02		
* * *																																					
SOUTHERN 02																																					
BRIDGEVILLE 1 NSW	7.88	.47			.59	.17			.30						.35	.85			2.10	1.00	.11	.65										.11			.08	1.10	
DOVER	6.99	1.10			.17	.26			.27						.07	.37	.97	T	2.11	.70	.06	.54										.12			.66		
GEORGETOWN 5 SW	7.96	.37			T	.52	.06		.21							.20	3.55	.15	.47				.10									.10			1.18		
LEWES 1 SW	7.33	.01			.73	.08			.39						.85				.03	2.58	.85	.11	.64								.04			.70	.31		
MILFORD 2 NSW	7.11	.55			.37	.15	T		.28						.01	.34	.81		2.11	.77	.06	.64									.10			.03	.89		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES

MARYLAND AND DELAWARE
DECEMBER 1977

STATION	MAX MIN	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																																	
ASSATEQUE STATE PARK	MAX 60 60 54 MIN 48 40 42	51 58 59	40 37 49	44 28 35	48 54 55	49 51 51	50 48 53	46 48	51 31	30 38 46	43	47.1																					
CRISFIELD SOMERS COVE	MAX 64 54 MIN 43 38	59 37	27 24	22 19 17	46 57 52	50 61 56	51 49 53	43 46 48	50 32	32 36 42	41	48.3																					
POCOMOKE CITY	MAX 66 63 58 MIN 51 44 34	54 63 62	40 35 48	46 29 37	50 63 59	51 58 53	50 49 55	45 49 53	53 48 31	31 38 45	41	49.1																					
PRINCESS ANNE	MAX 65 64 61 MIN 50 40 29	54 64 63	36 36 45	44 39 39	51 62 59	54 57 52	49 49 54	55 46 52	53 47 30	29 34 45	40	49.3																					
SALISBURY	MAX 66 64 59 MIN 51 42 32	52 65 60	36 36 44	29 29 35	56 63 59	55 55 52	50 48 55	52 49 57	57 45 32	32 29 44	40	48.5																					
SALISBURY FAR AP	MAX 67 55 59 MIN 54 38 32	47 64 59	36 36 46	30 29 39	54 65 57	53 55 54	51 51 56	42 48 55	54 40 32	30 38 46	42	48.1																					
SNOW HILL 4 N	MAX 67 65 56 MIN 52 41 30	53 62 62	40 36 46	44 27 35	52 61 59	53 55 52	49 48 55	44 48 54	52 46 31	28 36 44	41	48.4																					
CENTRAL EASTERN SHORE 02																																	
CAMBRIDGE WTR TRMT PL	MAX 59 53 58 MIN 41 41 31	55 60 43	38 42 45	36 26 38	51 57 51	48 54 47	46 53 53	42 45 51	52 48 30	28 38 38	44	46.1																					
DENTON I S	MAX 61 56 54 MIN 45 40 29	49 59 60	36 37 45	38 29 38	53 58 58	53 47 45	46 44 45	42 47 54	53 43 32	29 38 47	41	46.4																					
EASTON POLICE BARRACKS	MAX 67 55 59 MIN 54 38 32	47 64 59	36 36 46	30 29 39	54 65 57	53 55 54	51 51 56	42 48 55	54 40 32	30 38 46	42	48.1																					
ROYAL OAK	MAX 57 57 55 MIN 43 39 32	51 56 58	37 33 45	41 28 36	48 54 55	49 48 46	46 44 51	42 44 51	50 44 30	28 37 45	41	45.4																					
VIENNA	MAX 63 58 55 MIN 48 44 35	56 61 60	52 35 45	42 27 34	50 57 58	51 53 55	50 48 54	45 45 54	53 48 31	29 31 43	42	47.9																					
LOWER SOUTHERN 03																																	
LA PLATA I W	MAX 57 53 60 MIN 41 38 30	55 55 47	35 36 51	30 31 40	53 58 58	52 47 45	45 41 44	44 48 55	53 38 33	28 41 42	44	45.8																					
MECHANICSVILLE I SE	MAX 58 56 57 MIN 38 36 31	55 55 51	37 35 50	44 28 37	49 58 58	53 48 45	45 45 45	42 45 48	55 34 29	27 38 42	43	47.5																					
OWINGS FERRY LANDING	MAX 49 50 45 MIN 30 32 29	42 42 31	43 46 41	38 39 36	39 43 42	43 38	39 38 40	42 45 48	53 32 29	27 38 42	41	41.2																					
PATUXENT RIVER	MAX 59 54 58 MIN 46 38 37	48 60 48	36 38 51	29 30 38	48 57 54	47 49 48	42 44 49	41 48 53	53 32 33	29 40 46	41	45.3																					
SOLOMONS	MAX 58 51 55 MIN 44 40 41	46 55 47	33 36 50	28 28 35	45 55 54	44 46 45	41 42 44	40 45 49	50 32 30	27 38 42	36	42.9																					
WALDORF POLICE BRKS	MAX 58 51 55 MIN 44 40 41	46 55 47	33 36 50	28 28 35	45 55 54	44 46 45	41 42 44	40 45 49	50 32 30	27 38 42	36	42.9																					
UPPER SOUTHERN 04																																	
ANNAPOLIS POLICE BRKS	MAX 58 58 57 MIN 38 42 29	55 53 52	41 34 41	44 29 37	46 52 51	48 44 44	44 44 48	47 47 48	52 46 31	29 38 42	44	45.3																					
BALTIMORE WSO AP	MAX 58 54 58 MIN 43 36 31	50 48 42	33 37 46	30 29 38	48 59 57	53 44 43	41 43 46	42 47 54	52 27 33	26 40 46	48	44.3																					
BELTSVILLE	MAX 47 57 55 MIN 33 40 27	57 49 47	40 31 37	45 29 29	37 52 59	51 52 55	44 46 43	43 42 41	55 50 25	30 26 34	44	43.6																					
BELTSVILLE PLANT STA 5	MAX 46 55 54 MIN 38 37 32	56 50 45	40 30 36	44 28 28	37 51 58	50 50 43	42 39 41	44 41 45	54 49 24	30 25 38	42	42.4																					
COLLEGE PARK	MAX 46 57 54 MIN 38 41 28	57 51 45	40 31 38	46 28 29	39 52 59	51 53 44	42 39 43	42 47 47	56 50 30	30 24 39	44	43.6																					
DALECARLIA RESV D C	MAX 58 57 57 MIN 35 37 29	56 45 41	37 35 45	35 32 39	52 59 59	51 45 45	43 41 44	42 46 55	52 40 36	28 39 43	47	45.3																					
GLENN DALE BELL STA	MAX 58 57 58 MIN 41 39 26	54 48 47	37 37 44	42 30 37	53 58 58	53 52 43	42 40 44	43 47 56	52 48 32	29 39 46	47	45.8																					
LAUREL 3 W	MAX 53 50 52 MIN 38 41 35	44 42 40	32 33 38	46 28 29	46 54 55	42 40	42 40 44	42 46 55	52 40 36	24 38 43	47	42.0																					
NATIONAL ARBORETUM D C	MAX 47 59 55 MIN 38 43 34	52 50 46	42 30 38	45 28 28	38 54 60	52 52 44	43 40 44	44 42 48	57 51 31	30 28 39	44	43.9																					
U. S. SOLDIERS HOME DC	MAX 56 54 57 MIN 42 44 37	50 53 44	35 36 47	30 30 37	52 56 56	52 45 44	43 42 43	43 47 54	52 37 29	27 40 43	47	44.5																					
UPPER MARLBORO 3 NNW	MAX 46 58 55 MIN 37 40 28	57 49 49	42 31 37	45 28 29	37 52 59	52 53 43	44 44 44	44 42 47	56 50 29	31 26 39	46	44.0																					

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES

MARYLAND AND DELAWARE
DECEMBER 1977

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		
DELAWARE																																	
• • •																																	
NORTHERN 01																																	
MIDDLETOWN 1 WSW	MAX	57	57	54	52	51	51	37	33	42	40	26	33	44	57	56	49	46	43	43	42	50	42	45	53	53	48	29	26	34	44	43	44.5
	MIN	43	39	30	34	32	34	21	19	28	15	10	11	30	30	43	28	29	34	37	35	40	28	25	30	40	17	11	14	12	22	32	27.5
NEWARK UNIVERSITY FARM	MAX	49	52	51	49	46	49	35	34	42	41	25	31	42	55	56	50	46	44	40	40	50	40	46	52	49	47	28	27	34	44	45	43.2
	MIN	42	39	31	34	31	28	18	27	8	15	10	26	29	42	28	26	32	37	34	38	26	22	27	39	16	9	12	12	20	30	26.3	
WILMINGTON WSO AP	MAX	50	50	49	45	47	41	30	34	41	27	25	34	43	56	53	50	43	41	40	46	52	39	45	50	49	26	28	25	35	43	44	41.3
	MIN	44	36	33	32	34	29	20	16	17	13	13	10	32	32	32	27	27	35	35	35	33	27	23	31	26	12	9	11	12	21	29	25.4
WILMINGTON PORTER RESVR	MAX	51	50	50	44	47	43	31	34	42	27	25	34	39	55	53	50	43	41	39	45	52	39	45	49	49	29	29	23	33	42	44	41.2
	MIN	44	38	36	32	33	29	20	18	16	11	13	10	31	32	33	29	30	35	33	33	31	28	25	29	25	13	9	13	9	24	30	25.5
• • •																																	
SOUTHERN 02																																	
BRIDGEVILLE 1 NW	MAX	64	60	56	53	61	62	36	35	44	41	27	34	50	60	60	52	49	48	46	46	54	43	47	54	54	43	30	27	36	46	41	47.1
	MIN	48	40	30	30	35	34	22	18	28	15	14	10	30	32	45	28	29	41	40	35	42	29	26	31	42	19	10	16	11	24	34	28.6
DOVER	MAX	60	67	56	53	59	50	40	37	44	42	33	33	47	58	60	51	51	45	45	45	53	53	48	54	53	49	30	29	36	48	41	47.4
	MIN	44	40	33	37	32	35	22	19	27	17	20	11	31	31	48	29	29	39	38	35	42	28	24	31	41	18	11	16	14	26	34	29.1
GEORGETOWN S SW	MAX	65	62	52	57	47	62	42	32	39	43	28	26	38	54	60	51	52	50	49	43	54	55	43	47	55	50	25	30	27	36	45	45.8
	MIN	43	40	29	37	34	37	23	17	21	15	15	8	15	32	48	27	22	40	41	35	37	28	26	25	36	19	7	14	8	17	33	26.7
LEWES 1 SW	MAX	65	56	56	48	61	61	35	37	37	33	25	35	48	62	55	48	48	48	47	50	55	42	48	52	52	40	32	28	36	48	40	46.1
	MIN	55	40	32	33	35	35	23	16	29	16	15	13	33	35	38	29	27	42	36	36	41	27	25	31	40	19	11	15	12	26	36	29.1
MILFORD 2 WSW	MAX	65	60	56	51	60	62	36	37	45	40	28	36	50	60	59	52	46	46	46	46	55	43	48	55	53	45	32	28	37	48	41	47.3
	MIN	48	40	30	39	32	36	22	19	28	16	15	8	28	30	48	27	28	40	39	35	42	27	25	33	38	18	8	11	9	26	34	28.4

SEE REFERENCE NOTES FOLLOWING STATION INDEX

SNOWFALL AND SNOW ON GROUND

MARYLAND AND DELAWARE
DECEMBER 1977

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 POCOMOKE CITY																																
CENTRAL EASTERN SHORE 02 DENTON 1 S																																
ROYAL OAK																																
LOWER SOUTHERN 03 LA PLATA 1 W																																
UPPER SOUTHERN 04 BALTIMORE WSO AP																																
BELTSVILLE																																
COLLEGE PARK																																
GLENN DALE BELL STA																																
UPPER MARLBORO 3 NNW																																
NORTHERN EASTERN SHORE 05 CENTREVILLE																																
CHESTERTOWN																																
HILLINGTON																																
NORTHERN CENTRAL 06 ABERDEEN PHILLIPS FLD																																
CATOCTIN MOUNTAIN PARK																																
DAMASCUS 2 SW																																
EMMITSBURG 2 SE																																
FREDRICK POLICE BRKS																																
PARKTON 2 SW																																
ROCKVILLE 3 NE																																
UNIONVILLE																																
WESTMINSTER 2 SSE																																
WOODSTOCK																																
APPALACHIAN MOUNTAIN 07 CUMBERLAND 2																																
FROSTBURG 2																																
HANCOCK FRUIT LAB																																
ALLEGHENY PLATEAU 08 MCHENRY 2 NW																																
DAKLAND 1 SE																																

SEE REFERENCE NOTES FOLLOWING STATION INDEX

SNOWFALL AND SNOW ON GROUND

MARYLAND AND DELAWARE
DECEMBER 1977

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																															
MIDDLETOWN 1 WSH																															
NEWARK UNIVERSITY FARM																															
WILMINGTON WSD AP																															
SOUTHERN 02																															
BRIDGEVILLE 1 NW																															
DOVER																															
MILFORD 2 WSH																															

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND DELAWARE
DECEMBER 1977

STATION	INDEX NO.	DIVISION	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	
								TEMP.	PRECIP.	EVAP.	SPECIAL (SEE NOTES)		
DISTRICT OF COLUMBIA													
DALECARLIA RESVR D C	2325	04		5	38 56	77 07	146	5P	5P			CORPS OF ENGINEERS U.S. NAT. ARBORETUM U.S. SOLDIERS HOME	
NATIONAL ARBORETUM D C	6350	04		5	38 54	76 58	50	8A	8A		H		
U. S. SOLDIERS HOME DC	9035	04		5	38 56	77 01	230	6P	6P				
DELAWARE													
BRIDGEVILLE 1 NW	1330	02	SUSSEX	1	38 45	75 37	50	5P	5P			H	WILLIAM M RAY
DOVER	2730	02	KENT	2	39 09	75 31	30	5P	5P			H	STATE HIGHWAY DEPT
GEORGETOWN 5 SW	3570	02	SUSSEX	1	38 38	75 27	45	8A	8A	8AC		H	UNIV OF DEL SUBSTATION
LEWES 1 SW	5320	02	SUSSEX	2	38 46	75 09	20	6P	MID			H	FREDERICK O VOGL
MIDDLETOWN 1 WSW	5852	01	NEW CASTLE	2	39 26	75 45	60	4P	4P			H	PIONEER HIBRED CORN CO.
MILFORD 2 WSW	5915	02	SUSSEX	2	38 54	75 28	30	5P	5P			H	MRS BERNARD FRANKEL
NEWARK UNIVERSITY FARM	6410	01	NEW CASTLE	2	39 40	75 44	90	5P	5P		5P	H	UNIV OF DELAWARE
WILMINGTON WSO AP	9595	01	NEW CASTLE	2	39 40	75 36	79	MID	MID		C	HJ	NATL WEATHER SERVICE
WILMGTON PORTER RESYR	9605	01	NEW CASTLE	2	39 46	75 32	274	MID	MID			H	WATER DEPARTMENT

SEE REFERENCE NOTES FOLLOWING STATION INDEX

LATE REPORTS MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND DELAWARE

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	Total					Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More	
																							80° or Above
MARYLAND																							
* * * JUNE 1977																							
OWINGS FERRY LANDING	81.9	60.8	71.4	- 1.4	93	28	49	8+	15	4	0	0	0	4.43	.86	1.20	9	.0	0	6	4	2	
* * * JULY 1977																							
CRISFIELD SOMERS COVE	M	M	M								0	0	0					.0	0				
* * * AUGUST 1977																							
OWINGS FERRY LANDING	87.5	63.8	75.7	.8	98	7	49	26	1	13	0	0	0	1.90	- 2.61	.84	24	.0	0	4	1	0	
* * * SEPTEMBER 1977																							
LA PLATA 1 W	81.9M	62.3M	72.1M	3.4	94	2	47	29+	9	4	0	0	0	2.91	.56	1.58	7	.0	0	4	2	1	

See Reference Notes Following Station Index

LATE REPORTS DAILY PRECIPITATION

MARYLAND AND DELAWARE

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																																	
* * *																																	
MAY 1977																																	
EDGEHONT	1.28			.09		.12	.82	.02	T	T				.07							.16												
* * *																																	
JUNE 1977																																	
OWINGS FERRY LANDING	4.43	.40		.70		.30				1.20										1.00	T	.76								.07			
* * *																																	
JULY 1977																																	
CRISFIELD SOMERS COVE	-	-	-	-	-	-	-	-	-	-	-	.05	-	-	-	-	-	-	-	-	-	-	1.50	-	-	-	-	-	-	-	-	.43	
* * *																																	
AUGUST 1977																																	
OWINGS FERRY LANDING	1.90	.34				.02				T		.20		.45	.03										.84	.02							
* * *																																	
SEPTEMBER 1977																																	
LA PLATA I W	2.91					.67	1.58	.28	T					T		.01	.37																
* * *																																	
OCTOBER 1977																																	
EDGEHONT	3.90	.12				.01	.34	.47	.41					.52	T	1.33	.19										.38	.13					

See Reference Notes Following Station Index

LATE REPORTS DAILY TEMPERATURES

MARYLAND AND DELAWARE

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	MAX																																	
* * *	MIN																																	
JUNE 1977	MAX																																	
* * *	MIN																																	
OWINGS FERRY LANDING	MAX	86	87	77	87	82	78	68	74	69	70	79	83	79	77	79	83	85	87	90	87	81	77	83	80	77	88	89	93	92	91	81.9		
* * *	MIN	64	64	57	49	58	68	52	49	55	52	53	57	63	60	63	63	64	70	69	65	63	59	53	57	63	63	65	68	69	68	60.8		
JULY 1977	MAX																																	
* * *	MIN																																	
CRISFIELD SOMERS COVE	MAX										81		90	89					91	94	92	94			93									
* * *	MIN										65		74	76					69	69	82	70			61									
AUGUST 1977	MAX																																	
* * *	MIN																																	
OWINGS FERRY LANDING	MAX	90	85	88	91	95	97	98	96	90	96	91	88	89	88	85	89	92	78	73	75	80	86	83	85	76	80	84	89	91	92	95	87.5	
* * *	MIN	62	62	64	65	70	70	71	70	70	71	71	70	68	69	67	67	68	63	55	57	55	56	59	64	53	49	57	62	64	65	65	63.8	
SEPTEMBER 1977	MAX																																	
* * *	MIN																																	
LA PLATA I W	MAX	93	94	88	87	91	88	85	76	73	83		78	82	82	72	77	82	87	90	86	77	77	76	81	80	82	81	73	74	80	81.9		
* * *	MIN	72	69	68	65	67	67	63	64	62	63		47	60	70	54	60	68	68	65	67	59	59	70	60	66	67	59	57	47	48	62.3		
* * *	MAX																																	
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Additional information regarding the climate of these States may be obtained by writing to the National Climatic Center, Federal Building, Asheville, N.C. 28801, or to any Weather Service Office near you. Additional precipitation data are contained in the "HOURLY PRECIPITATION DATA" for these States.

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

OBSERVATION TIME: The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time. Snow on the ground in the "Snowfall and Snow on Ground" table is at observation time for all except Weather Service Offices and FAA stations. For these stations snow on ground values are at 7:00 a.m., e.s.t. Data in the "Extremes" table, "Daily Precipitation" table, "Daily Temperature" table, "Evaporation and Wind" table, and snowfall in the "Snowfall and Snow on Ground" table, when published, are for the 24 hours ending at time of observation.

EVAPORATION is measured in the standard Weather Service-type pan of 4-foot diameter unless otherwise noted below in the Evaporation and Wind table. Max and Min values in the Evaporation and Wind table are extremes of temperature of water in pan as recorded during 24 hours ending at time of observation. Wind is the total wind movement in miles over the evaporation pan as determined by a continuous anemometer recorder located 6-8 inches above the pan.

WATER EQUIVALENT values published in the "Snowfall and Snow on Ground" table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record. Time of observation 1:00 p.m., e.s.t.

SNOWFALL: Entries of snowfall in the "Monthly Summarized Data" table, the "Snowfall and Snow on Ground" table, and in the "Seasonal Snowfall" table, include snow and sleet. Entries of snow on ground include snow, sleet, and ice.

NORMALS for all stations are climatological standard normals based on the period 1941-1970.

DIVISIONS, as used in this publication, became effective with data for October 1956.

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

SEASONAL TABLES: Monthly and seasonal snowfall and heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

LATE REPORTS AND CORRECTIONS will be carried only in the June and December issues of this bulletin.

INTERPOLATED VALUES for monthly precipitation totals may be found in the annual issue of this publication.

IN THE DATA TABLES THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING:

- No record in the "Supplemental Data" table, "Daily Precipitation" table, "Evaporation and Wind" table, "Snowfall and Snow on Ground" table, and the Station Index.
- No record in the "Monthly Summarized Data" table and the "Daily Temperature" table is indicated by no entry.
- + And also on an earlier date or dates.
- ++ Highest observed one minute windspeed. This station is not equipped with an instrument to measure fastest mile data.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windshield.
- ‡ Extreme occurred at station with incomplete data which may have been exceeded.
- 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:

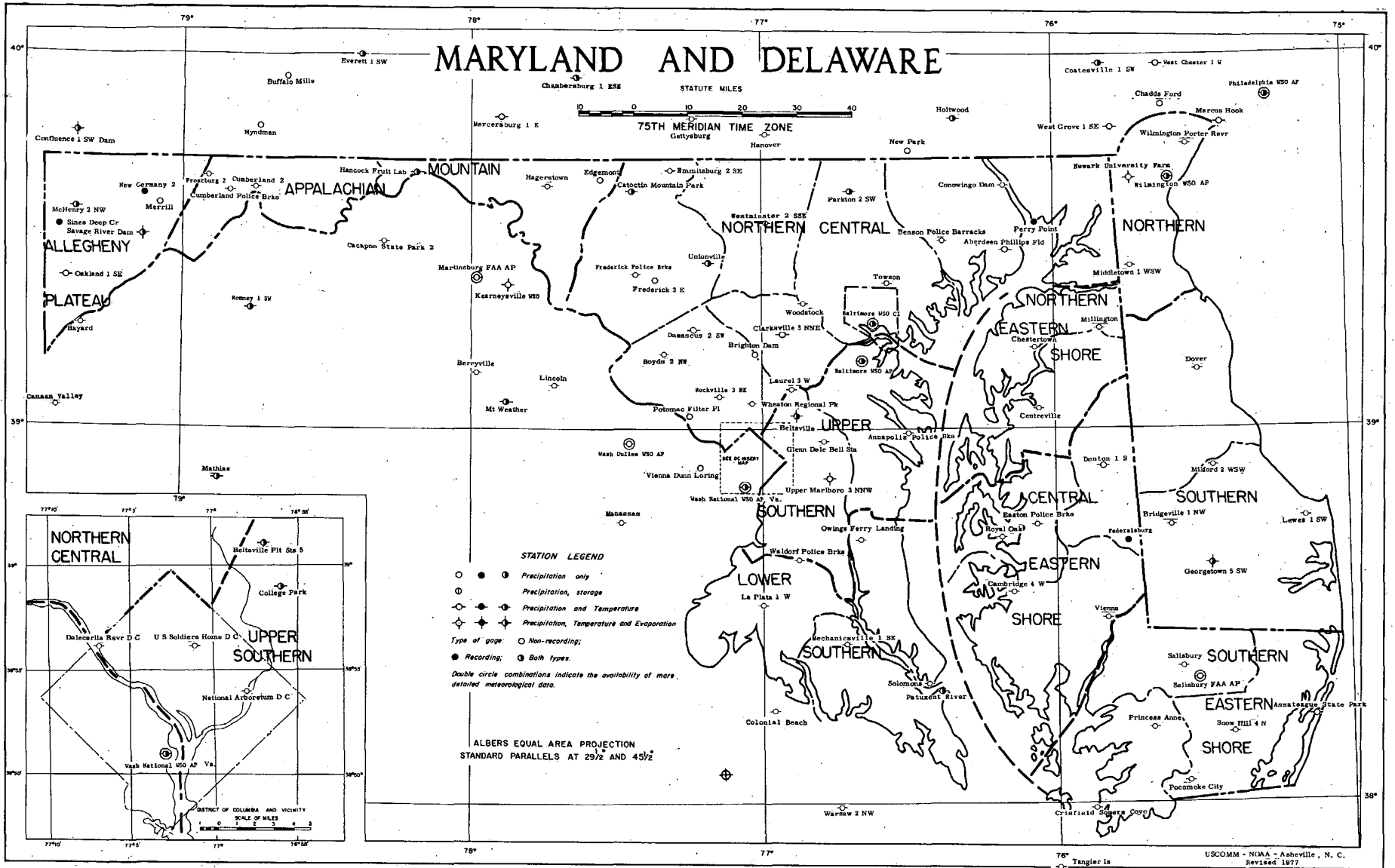
- AR This entry in time of observation column in Station Index means after rain.
- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in the "Hourly Precipitation Data" bulletin. If daily amounts are published in "Climatological Data" 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.
- ‡ DRAINAGE CODE: 1-CHESAPEAKE 2-COASTAL 3-PATAPSCO 4-PATUXENT 5-POTOMAC 6-SUSQUEHANNA 7-YOUGHTIOGHENY

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 CLIMATOLOGICAL DATA NATIONAL SUMMARY and STORM DATA.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this State, price 25 cents. Similar information for regular National Weather Service Offices may be found in the latest annual issue of Local Climatological Data, price 15 cents. These publications may be obtained from the National Climatic Center at the address shown above.

Subscription Price: \$5.10 a year for each section including annual summary; \$5.55 additional for foreign mailing; 40¢ single copy; 30¢ annual summary. Make checks payable to Department of Commerce, NOAA; send payments and orders to: National Climatic Center, Federal Building, Asheville, N. C. 28801. Attn: Publications.



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