

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

DECEMBER 1986

VOLUME 90 NUMBER 12



"I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF
THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
AND IS COMPILED FROM INFORMATION RECEIVED AT THE
NATIONAL CLIMATIC DATA CENTER, ASHEVILLE NORTH CAROLINA"
28801

Kenneth D. Hadlee

DIRECTOR
NATIONAL CLIMATIC DATA CENTER

noaa

NATIONAL
OCEANIC AND
ATMOSPHERIC ADMINISTRATION

NATIONAL
ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND AND
DELAWARE
DECEMBER 1986

MARYLAND
 HIGHEST TEMPERATURE 69
 LOWEST TEMPERATURE 2
 GREATEST TOTAL PRECIPITATION 7.91
 LEAST TOTAL PRECIPITATION 3.14
 GREATEST 1 DAY PRECIPITATION 3.35
 GREATEST TOTAL SNOWFALL 5.6
 GREATEST DEPTH OF SNOW OR ICE 1

DELAWARE
 HIGHEST TEMPERATURE 66
 LOWEST TEMPERATURE 11
 GREATEST TOTAL PRECIPITATION 7.11
 LEAST TOTAL PRECIPITATION 5.82
 GREATEST 1 DAY PRECIPITATION 2.78
 GREATEST TOTAL SNOWFALL .3
 GREATEST DEPTH OF SNOW OR ICE 1

DECEMBER 10
 DECEMBER 14
 DECEMBER 25
 DECEMBER 31+

DECEMBER 11
 DECEMBER 14
 DECEMBER 25
 DECEMBER 30

COLLEGE PARK
 OAKLAND 1 SE
 CAMBRIDGE WTR TRMT PL
 2 STATIONS
 CAMBRIDGE WTR TRMT PL
 FROSTBURG 2
 4 STATIONS

LEWES
 GEORGETOWN 5 SW
 GREENWOOD 2 NE
 GEORGETOWN 5 SW
 MILFORD 4 SE
 WILMINGTON WSO. AP
 MILFORD 4 SE

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
DECEMBER 1986

STATION	TOTAL	DAY OF MONTH														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
MARYLAND																
SOUTHERN EASTERN SHORE 01																
ASSATEAGUE ISLAND NATL SE	6.52		.20	1.15	.60				.98	.05	.19	.05	1.02	.04		
CRISFIELD SOMERS COVE	4.86		.64	.26						.25		.80	.16			
PRINCESS ANNE	6.12		.68	.49						.30	.08	.76	.15	.16		
SALISBURY	6.15		.70	.43						.42	.05	.80	.10			
SALISBURY FAA AP	6.87	T	1.31	.31						.37	.11	.85	T	T		
SNOW HILL 4 N	5.32		1.16	.40						.22	T	.78	.27	.01		
CENTRAL EASTERN SHORE 02																
CAMBRIDGE WTR TRMT PL	7.91		.65	1.02					T	.92	.06	.80	T			
DENTON 2 E	7.38		.53	.56						1.19	.11	.71	.09			
ROYAL OAK 2 SSW	7.08		.58	.69					.01	1.09	.09	.78	.10			
VIENNA	6.83		.04						.01	.65	.09	.70	.83			
LOWER SOUTHERN 03																
LA PLATA 1 W	5.84		.82	.43						.02	.60	.09	.75			
MECHANICSVILLE 1 E	7.77		1.54	.46						.72	.07	.86	.06			
OWINGS FERRY LANDING	7.13		1.38	.47						T	.02	.60	.12	.66	.03	
PATUXENT RIVER	7.00		1.09	.39					T	1.03	.03	.82	T			
UPPER SOUTHERN 04																
ANNAPOLIS POLICE BRKS	6.36		.65	.91						.01	.68	.18	.48	.15		
BALTIMORE WSO AP	5.52	R	1.16	.09					T	.44	.02	.57		T		
BELTSVILLE	5.49		.09	1.21						.10	.51	.09	.51		T	
COLLEGE PARK	5.19		.32	.98					T	.14	.54	.16	.39		T	
DALECARLIA RESVR D C	6.58		.79	.81						.45	.11	.57	.40			
GLENN DALE BELL STN	4.12		.55	.78					T	.43	.37	.40	.11			
LAUREL 3 W	6.20		1.29							.70	.30	.64				
NATIONAL ARBORETUM D C	5.20		.05	1.30						.07	.61	.03	.45			
UPPER MARLBORO 3 NNW	5.69		.03	1.37					.01	.04	.70	.02	.47			
NORTHERN EASTERN SHORE 05																
CHESTERTOWN	6.23		.56	.55					T							
MILLINGTON 1 SE	6.95		.47	.98					.01	1.00	.07	.61				
NORTHERN CENTRAL 06																
ABERDEEN PHILLIPS FLD	6.64		1.02	.76						.05	.41	.14	.36	.14		
BALTIMORE WSO CI	6.22	R	1.66	.07							.46		.56			
BENSON POLICE BARRACKS	6.42		.65	1.14		T					.57	.15	.40	T		
BOYDS 2 NW	4.53		.84	.37							.42	.04	.12			
BRIGHTON DAM	5.49		1.22	.10						.07	.50	.04	.48	.04		
CATOCTIN MOUNTAIN PARK	5.54			2.11							.92	.06	.32			
CLARKSVILLE 3 NNE	5.67		.64	.82							.42	.15	.49	.02		
CONOWINGO DAM	5.84		1.26							T	.87	.03	.30	.37		
DAMASCUS 2 SW	5.20		.78	.62						T	.62	.03	.43	T		
EMMITSBURG 2 SE	5.75		.59	1.36						T	.70	.05	.15	.30		
FREDRICK POLICE BRKS	4.84		.56	1.08							.53	.06	.12	.25		
FREDRICK 3 E	5.44		T	1.46								.68	.50			
PARKTON 2 SW	5.75		1.55								T	.74	.06	.36		
POTOMAC FILTER PLANT	5.56		1.64	.04						.03	.42		.55			
ROCKVILLE 1 NE	5.38		1.32	T						.04	.47	T	.54		T	
TOWSON	7.21		1.52	.63							.58		.43	.11		
UNIONVILLE	5.04		1.20	.14							T	.58	.18	.16		
WESTMINSTER POLICE BRK	5.10		.40	.90							.65	.10	.20	T		
WOODSTOCK	5.43		.61	.89							.41	.10	.40	.12		

SEE REFERENCE NOTES FOLLOWING STATION INDEX
5

DAILY PRECIPITATION (CONT)

MARYLAND AND
DELAWARE
DECEMBER 1986

STATION	DAY OF MONTH															
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MARYLAND																
SOUTHERN EASTERN SHORE 01																
ASSATEAGUE ISLAND NATL SE			.16	.44				.02	.16	1.36				.02		.08
CRISFIELD SOMERS COVE			.26						.46	2.03						
PRINCESS ANNE			.44	.06					.97	2.00					.03	
SALISBURY		.01	.48	.04					.90	2.20					.02	
SALISBURY FAA AP			.61					T	3.21						.10	
SNOW HILL 4 N			.35	.05					.56	1.50					.02	
CENTRAL EASTERN SHORE 02																
CAMBRIDGE WTR TRMT PL			.57	.01					.53	3.35					T	
DENTON 2 E			.70						.71	2.50					.27	.01
ROYAL OAK 2 SSW			.82						.62	2.30					T	
VIENNA			.62						.50	3.34				.02	.03	
LOWER SOUTHERN 03																
LA PLATA 1 W		T	.60						2.18	.35						
MECHANICSVILLE 1 E			.64						1.93	1.49					T	
OWINGS FERRY LANDING			.68						1.23	1.94						
PATUXENT RIVER			.46					T	3.18	T						
UPPER SOUTHERN 04																
ANNAPOLIS POLICE BRKS			.73						.60	1.97					T	
BALTIMORE WSO AP	R	T	.75						2.49	T					T	
BELTSVILLE			.42	.30					.09	2.17					T	
COLLEGE PARK			.71						T	1.95					T	
DALECARLIA RESVR D C			.60						1.50	1.35						
GLENN DALE BELL STN			.68						.50	.30					T	
LAUREL 3 W			.85						2.42							
NATIONAL ARBORETUM D C			.31	.35					.06	1.96				.01		
UPPER MARLBORO 3 NNW			.30	.33					T	2.42						
NORTHERN EASTERN SHORE 05																
CHESTERTOWN	T	T	.91						2.16	.02					.35	
MILLINGTON 1 SE		T	.94						.45	1.94					.16	
NORTHERN CENTRAL 06																
ABERDEEN PHILLIPS FLD			.96						.26	2.43					.11	
BALTIMORE WSO CI	R		.74						2.66	.04					.03	
BENSON POLICE BARRACKS			.86	.02					.55	2.05					.03	
BOYDS 2 NW			.67						1.67	.15						
BRIGHTON DAM	T		.74						2.30							
CATOCTIN MOUNTAIN PARK			.81						1.11	.21						
CLARKSVILLE 3 NNE			.77						2.32	.04					T	
CONOWINGO DAM			.92						.01	2.01					.03	.04
DAMASCUS 2 SW		T	.77						1.95	T					T	
EMMITSBURG 2 SE			.80						.50	1.30					T	
FREDERICK POLICE BRKS			.77						.76	.71						
FREDERICK 3 E		T	.51	.20					.14	1.95						
PARKTON 2 SW			.97						2.07						T	
POTOMAC FILTER PLANT		T	.62						2.05	.21					T	
ROCKVILLE 1 NE	.01	T	.72						2.28	T		T			T	
TOWSON			1.02						.85	2.00						
UNIONVILLE		.40	.36						.99	1.03						
WESTMINSTER POLICE BRK			.80	T					.40	1.65						
WOODSTOCK		T	.80						.58	1.52						

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
DECEMBER 1986

STATION	TOTAL	DAY OF MONTH														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
APPALACHIAN MOUNTAIN CUMBERLAND 2	07	3.14		.18	.67											
EDGEMONT		4.94		.13	1.54					.37	.35		.15			
FROSTBURG 2		3.78		.38	.81	T	T	T		.38	.35		.28			
HAGERSTOWN		3.91		.52	.49				T	.39	.45	T	.12	.03	T	
HANCOCK FRUIT LAB		3.74		.62			.32			.63	T	.28				
									.04	.69	.02	.17				
ALLEGHENY PLATEAU MC HENRY 2 NW	08	3.40		.32	.13		.11									
MERRILL		3.14		.52	.38					T	.68	.70		T	.04	.04
OAKLAND 1 SE		3.65		.33	.32	T	T			T	.45	.35		.12	.03	
SAVAGE RIVER DAM		3.51		.30	.71	T	T	T		T	1.45	.15	.11	.04	.04	
										.50	.39		.12	.01		
DELAWARE																
NORTHERN MIDDLETOWN 3 E	01	M														
NEWARK UNIVERSITY FARM		6.55		.43	1.80	T										
WILMINGTON WSO AP	R	6.11		1.17	.43				T		.80	.05	.22	.15		
WILMGTN PORTER RESVR		6.82		1.40	.43				T	.01	.90	.03	.52	T	T	
SOUTHERN																
DOVER	02	6.66		.22	.90											
GEORGETOWN 5 SW		5.82		.04	1.36		.06				.91	.26	.55	.21		
GREENWOOD 2 NE		7.11		.44	.50						.08	.53	.01	.33		
LEWES		6.10		.69	.60						1.30	.05	.76	.07		
MILFORD 4 SE		7.06		.40	.51						.52	.04	.67	.14		
										.92	.05	.82	.05			

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (CONT)

MARYLAND AND
DELAWARE
DECEMBER 1986

STATION	DAY OF MONTH															
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
APPALACHIAN MOUNTAIN 07																
CUMBERLAND 2			.17	.02					.25	.98						T
EDGEMONT			.65	.21					.03	1.37						
FROSTBURG 2		T	.21	.01	T	T	T		.34	1.02	T	T		T		.02
HAGERSTOWN		T	.49					*	1.42	.08						
HANCOCK FRUIT LAB		T	.37						.63	.88					T	
ALLEGHENY PLATEAU 08																
MC HENRY 2 NW		.03	.18	.18					.22	.67	T					.10
MERRILL			.25	.04					.40	.60						
OAKLAND 1 SE	T	.05	.29	T					.55	.33						.04
SAVAGE RIVER DAM		.02	.22				T		.26	.80	.18					T
DELAWARE																
NORTHERN MIDDLETOWN 3 E																
NEWARK UNIVERSITY FARM			1.18						.15	1.70						.07
WILMINGTON WSO AP	R	T	1.14						1.87	.08						T
WILMGTN PORTER RESVR			1.50						2.00	.03						T
SOUTHERN DOVER			.93	.12					.12	2.30						.12
GEORGETOWN 5 SW			.30	.75					.28	2.05						.03
GREENWOOD 2 NE		T	.85						.39	2.66						.09
LEWES			.83	.08					.50	1.84						.13
MILFORD 4 SE			1.01	.03					.35	2.78						.14

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
DECEMBER 1986

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 ISLAND NATL SE	MAX	51	53	54	62	45	52	52	53	54	62	66	48	42	44	45	56	52	50	51	53	47	45	46	53	59	56	49	45	44	38	46	50.7			
	OBS																																			
	MIN	34	34	41	34	28	25	30	24	40	41	36	34	31	18	19	21	28	37	36	27	27	24	22	36	40	34	28	24	23	22	30	29.9			
	OBS																																			
CRISFIELD SOMERS COVE	MAX	47	59	61	55	48	48	48	49	55	60	55	43	43	43	49	52	52	50	46	45	42	45	45	49	59	51	46	43	43	45	43	49.0			
	OBS																																			
	MIN	36	43	51	41	38	30	30	44	46	52	35	37	27	23	21	30	38	41	39	33	32	27	27	41	46	39	28	32	27	32	30	35.4			
	OBS																																			
PRINCESS ANNE	MAX	49	61	64	57	46	44	53	53	57	65	56	43	42	40	53	54	53	48	48	45	43	45	50	57	63	48	45	41	44	44	44	50.2			
	MIN	34	42	51	30	24	20	22	38	45	44	34	37	29	14	24	23	30	34	38	25	25	19	20	35	45	31	25	27	20	25	23	30.1			
	OBS																																			
SALISBURY	MAX	45	61	65	57	45	45	54	53	57	61	56	43	41	40	54	54	52	49	49	46	44	44	51	56	63	48	41	42	45	42	45	49.9			
	MIN	35	43	52	36	28	25	26	42	46	56	34	36	22	17	26	22	17	26	38	30	29	22	23	38	45	36	23	27	22	28	32	32.8			
SALISBURY FAA AP	MAX	47	64	59	49	44	44	56	54	64	64	46	42	36	41	53	53	50	49	48	45	43	44	49	62	60	45	46	41	44	43	44	49.3			
	MIN	35	47	48	30	26	21	24	41	47	46	36	35	20	15	25	26	33	39	33	29	27	20	19	37	40	32	28	25	21	28	27	31.0			
SNOW HILL 4 N	MAX	45	58	63	56	45	47	53	52	60	65	55	42	41	42	52	54	51	51	48	44	42	46	52	55	60	49	44	41	46	45	43	49.9			
	MIN	36	44	52	31	24	22	22	40	46	55	35	37	30	15	23	24	33	34	37	28	27	20	20	36	46	31	27	29	22	27	31	31.7			
	OBS																																			
CENTRAL EASTERN SHORE 02																																				
CAMBRIDGE WTR TRMT PL	MAX	49	58	64	58	49	45	52	51	52	60	54	42	41	40	50	52	50	49	47	46	43	42	49	50	53	49	45	47	43	40	44	48.8			
	MIN	32	37	50	39	34	26	24	40	45	51	34	33	30	15	24	28	31	40	37	34	35	29	22	35	43	37	31	33	23	28	36	33.4			
DENTON 2 E	MAX	42	57	63	55	43	43	50	52	53	59	53	40	38	39	50	50	50	45	48	45	44	42	46	48	48	42	43	39	42	40	42	46.8			
	MIN	30	34	50	33	28	20	24	40	44	53	33	34	29	13	13	24	30	34	37	29	35	19	20	26	38	35	26	28	21	25	31	30.2			
ROYAL OAK 2 SSH	MAX	45	57	61	55	46	44	51	52	51	60	53	41	42	39	52	50	52	48	47	43	44	44	45	51	58	50	44	42	42	39	45	48.2			
	MIN	31	37	50	38	34	25	27	42	45	51	33	34	29	19	27	27	32	40	39	33	33	23	26	32	43	33	28	26	23	26	35	32.9			
VIENNA	MAX	52	60	62	56	48	45	51	53	55	62	57	48	42	40	54	54	53	50	49	45	45	45	47	52	62	51	45	44	43	41	45	50.2			
	OBS																																			
	MIN	44	39	37	35	35	22	25	42	42	52	35	39	29	17	28	27	27	38	38	31	32	21	27	36	45	35	30	29	22	27	33	32.9			
	OBS																																			
LOWER SOUTHERN 03																																				
LA PLATA 1 W	MAX	43	58	60	52	41	43	50	52	52	59	50	40	38	39	55	50	50	45	47	44	42	42	45	50	51	48	42	41	41	42	47	47.1			
	MIN	33	36	47	29	26	21	25	40	41	50	32	34	25	15	23	26	31	38	38	25	26	20	21	29	42	31	30	22	20	25	32	30.1			
MECHANICSVILLE 1 E	MAX	43	61	61	53	42	44	51	52	52	60	48	40	38	39	55	51	49	45	47	43	42	43	47	50	56	45	42	41	42	43	46	47.5			
	MIN	34	38	50	29	24	19	23	41	45	48	32	34	28	14	22	24	30	39	36	25	27	18	18	31	42	28	30	23	20	23	28	29.8			
OWINGS FERRY LANDING	MAX	43	60	60	54	42	43	51	52	53	59	52	39	38	38	54	51	51	45	46	42	42	42	46	47	51	47	41	40	40	44	46	47.1			
	MIN	32	37	48	28	26	20	24	39	44	52	32	33	28	15	23	25	29	26	37	27	29	20	19	31	41	32	36	25	21	24	29	30.1			
PATUXENT RIVER	MAX	42	60	62	50	44	45	52	53	61	61	45	41	38	41	52	48	51	46	48	42	42	42	50	58	52	45	43	42	41	45	45	48.0			
	MIN	34	41	46	34	31	27	28	43	46	46	34	36	25	21	29	28	34	38	36	30	31	27	23	37	38	36	30	31	26	28	31	33.1			
UPPER SOUTHERN 04																																				
ANNAPOLIS POLICE BRKS	MAX	58	54	62	57	53	45	51	52	51	60	54	51	43	41	51	48	46	56	44	41	41	44	46	42	53	48	46	46	42	41	47	48.8			
	MIN	28	33	33	30	26	21	25	38	40	46	29	30	25	14	22	25	31	36	34	26	29	18	18	32	37	26	29	25	19	23	27	28.2			
BALTIMORE WSO AP	MAX	37	57	61	48	41	45	50	54	57	57	42	40	36	37	52	51	48	47	46	42	43	43	47	50	54	43	41	42	42	41	46	46.5			
	MIN	30	37	42	31	26	22	27	43	42	42	32	33	20	14	24	26	32	39	33	27	24	21	18	31	37	31	35	26	21	28	31	29.8			
BELTSVILLE	MAX	51	44	55	60	48	40	45	51	53	58	56	37	40	34	38	52	51	48	46	45	41	42	44	46	47	54	44	41	39	42	40	46.2			
	OBS																																			
	MIN	29	31	43	32	26	20	23	28	42	42	33	31	26	14	23	25	28	37	34	26	28	18	17	25	35	28	32	24	20	23	28	28.1			
	OBS																																			
COLLEGE PARK	MAX	43	60	56	60	51	43	47	52	54	69	58	40	40	35	49	55	52	50	48	49	44	44	48	46	47	55	41	41	38	43	41	48.4			
	MIN	30	31	47	33	28	22	26	37	43	46	33	32	27	16	23	26	34	40	37	28	31	21	19	25	35	30	37	27	23	26	35	30.6			

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
DECEMBER 1986

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			
DALECARLIA RESVR D C	MAX MIN	47 29	53 30	62 41	54 28	44 23	46 20	51 37	55 37	49 36	58 36	52 30	39 29	40 20	40 13	54 21	52 21	51 28	47 30	47 26	42 22	43 23	45 18	47 27	44 32	54 34	50 26	42 33	40 23	42 18	40 24	45 26	47.6 26.7		
GLENN DALE BELL STN	MAX MIN	50 28	52 32	62 45	57 26	50 22	40 21	41 22	56 38	50 42	59 48	55 30	39 31	41 23	41 10	57 19	55 21	52 28	49 33	48 35	46 21	45 22	44 17	48 17	40 24	45 27	45 23	40 30	40 19	40 17	43 21	48 26	47.7 26.4		
LAUREL 3 W	MAX MIN OBS	39 27	54 34	61 41	50 31	42 28	45 25	50 42	55 43	55 39	56 40	44 30	41 28	39 24	38 20	52 27	52 29	49 34	45 35	45 31	42 28	42 27	45 28	49 24	54 32	54 35	45 35	40 33	40 27	42 24	41 32	45 29	46.8 30.6		
NATIONAL ARBORETUM D C	MAX OBS MIN	54 29	50 28	55 38	61 33	51 27	42 20	45 22	52 32	54 40	59 42	58 32	39 29	52 25	41 14	39 14	54 25	52 27	50 31	47 34	47 25	43 28	43 18	43 18	45 18	48 32	54 28	54 30	44 24	40 19	40 19	43 25	41 25	48.0 26.6	
UPPER MARLBORO 3 NNW	MAX MIN	51 30	56 32	59 45	60 31	50 25	42 19	45 19	52 23	54 40	59 45	57 34	37 32	40 28	35 13	40 14	54 23	52 24	51 30	46 37	47 26	43 28	43 17	45 17	46 17	50 35	52 29	42 29	42 24	41 19	42 20	43 27	47.6 26.8		
NORTHERN EASTERN SHORE 05																																			
CHESTERTOWN	MAX MIN	38 29	57 36	59 44	48 35	41 32	44 24	50 27	53 43	56 42	59 44	44 32	39 34	35 21	39 17	49 28	52 26	45 32	48 36	41 31	42 29	44 22	46 23	54 29	52 40	44 37	44 29	42 29	40 29	44 24	37 27	43 30	46.3 31.3		
MILLINGTON 1 SE	MAX MIN	43 29	53 35	61 49	53 33	42 29	44 20	48 24	52 40	51 42	59 50	39 32	39 33	38 24	39 13	52 22	52 22	51 30	46 32	48 37	42 29	43 33	44 19	48 19	45 26	54 42	47 39	44 26	39 32	44 21	38 25	44 33	46.9 30.3		
NORTHERN CENTRAL 06																																			
ABERDEEN PHILLIPS FLD	MAX MIN	37 29	48 46	60 46	56 35	46 28		48 43	51 43	48 43	58 53	39 32			49 26	49 25	48 35	45 41	47 42				42 18	45 22	41 37					42 22	39 29	44 33	47.0 M		
BALTIMORE WSO CI	R MAX MIN	37 29	56 35	62 43	52 37	42 32	48 29	49 33	54 43	56 39	59 42	40 30	36 34	40 26	55 22	50 28	50 30	48 37	47 40	41 29	43 33	43 24	47 26	49 36	58 41	44 39	41 38	41 33	43 33	43 29	44 34	49 36	47.3 33.7		
BENSON POLICE BARRACKS	MAX MIN	46 25	48 31	59 45	54 29	45 25	46 23	49 26	53 37	48 38	58 43	54 28	38 28	38 25	39 12	50 21	50 23	51 30	49 30	42 28	46 29	46 19	49 17	42 26	55 38	49 33	43 42	41 30	44 20	44 31	46 31	47.5 28.1			
BOYDS 2 NW	MAX MIN OBS	49 25	53 33	57 43	50 33	40 28	45 22	50 28	52 41	48 41	55 46	48 29	38 31	48 23	48 14	55 24	48 30	48 32	46 39	46 34	39 25	46 26	42 22	47 32	45 32	50 34	43 35	39 33	37 29	40 22	38 25	43 33	45.2 30.5		
CATOCTIN MOUNTAIN PARK	MAX MIN OBS	45 22	40 19	49 40	44 31	34 26	41 20	44 32	47 37	47 38	51 41	42 26	33 27	33 17	32 14	43 27	44 26	41 30	40 34	37 27	31 24	34 26	36 19	46 26	41 30	45 32	36 30	34 29	33 25	35 26	34 21	38 29	39.7 27.5		
CLARKSVILLE 3 NNE	MAX MIN	45 27	51 35	57 46	57 30	40 37	45 15	49 23	53 38	50 41	55 47	51 30	40 32	40 24	52 9	52 17	48 20	46 25	45 35	42 22	42 27	44 14	50 14	48 24	54 36	49 28	41 33	39 24	42 17	40 22	44 33	46.8 27.6			
CONOWINGO DAM	MAX OBS MIN	38 30	53 28	56 39	47 29	40 25	42 20	46 25	49 37	49 38	55 39	41 30	38 29	41 23	40 13	40 30	44 22	46 33	44 35	45 32	42 32	41 24	46 19	40 19	41 24	52 40	44 34	40 26	40 21	28 24	38 25	42 25	43.5 28.1		
DAMASCUS 2 SW	MAX MIN	39 26	51 32	55 43	48 34	38 30	42 21	48 31	50 42	48 40	50 44	44 29	36 30	37 21	35 15	49 26	47 30	47 31	43 36	43 33	38 26	42 26	41 22	46 34	43 33	49 32	43 32	38 27	37 22	39 26	37 31	42 31	43.5 30.0		
EMMITSBURG 2 SE	MAX MIN	43 24	44 24	55 42	55 36	39 32	41 17	47 27	50 40	46 41	55 45	39 28	37 23	35 12	49 20	47 20	47 34	44 35	44 38	41 30	40 35	42 17	35 26	47 32	48 33	48 34	40 30	38 21	40 23	44 23	44 23	43.6 27.6			
FREDRICK POLICE BRKS	MAX MIN	47 28	46 27	57 44	50 37	45 32	43 22	49 29	51 42	51 42	55 46	39 30	39 30	25 25	38 16	50 26	50 27	47 31	46 39	46 35	46 29	40 31	43 20	46 25	42 31	52 34	49 38	40 36	40 29	41 21	41 27	44 34	46.1 31.1		
PARKTON 2 SW	MAX OBS MIN	48 34	43 59	56 41	47 34	36 29	44 18	47 27	50 38	54 38	57 37	52 30	35 26	30 18	37 10	50 20	48 23	46 29	47 30	41 26	41 25	36 23	43 18	50 29	42 39	51 52	43 35	43 27	37 29	41 25	42 29	45 26	44.4 26.9		
ROCKVILLE 1 NE	MAX MIN	37 28	57 37	60 42	48 35	40 27	46 22	50 41	53 46	58 44	58 41	41 32	39 33	33 19	37 13	52 24	51 28	49 35	46 38	46 32	39 27	40 25	42 18	46 19	49 31	52 37	41 33	40 30	38 24	40 19	40 26	48 27	45.7 29.6		
TOWSON	MAX MIN OBS	43 25	52 28	57 34	51 32	43 29	47 23	49 25	52 41	49 38	56 42	50 27	45 29	47 22	38 14	50 22	50 24	49 25	46 27	43 34	42 27	42 30	44 20	48 19	48 20	53 34	49 26	46 27	40 30	42 21	40 25	45 37	47.0 27.6		
UNIONVILLE	MAX MIN OBS	40 23	46 23	56 33	47 34	40 20	42 15	49 20	50 33	51 32	55 36	40 21	41 29	39 10	38 7	39 20	49 19	47 23	46 29	45 25	45 19	44 13	43 10	46 16	39 25	52 34	42 29	40 26	38 25	40 11	40 20	43 21	44.3 22.6		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
DECEMBER 1986

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				
WESTMINSTER POLICE BRK	MAX MIN	44 24	47 30	54 44	50 34	42 30	41 24	47 30	49 40	48 38	55 45	53 27	43 28	37 23	35 16	46 25	48 29	46 32	45 38	43 33	39 26	38 29	39 23	46 25	46 30	49 36	46 33	39 32	37 30	38 22	39 26	41 32	44.2 30.1		
WOODSTOCK	MAX MIN	45 27	49 33	60 46	50 33	42 28	45 18	49 26	51 41	48 40	55 46	49 29	37 31	37 27	38 11	51 20	51 23	47 27	45 36	45 35	40 25	43 30	44 17	48 16	42 27	53 36	43 32	40 33	38 28	41 18	40 24	45 32	45.5 28.9		
APPALACHIAN MOUNTAIN 07																																			
CUMBERLAND 2	MAX MIN	48 29	42 33	49 37	42 28	39 19	47 19	50 30	49 41	53 41	53 31	39 29	37 21	34 11	39 11	53 24	45 25	45 36	46 34	43 28	40 30	38 17	42 17	44 17	37 33	45 34	42 34	40 27	37 21	38 11	37 25	42 25	43.1 26.7		
FROSTBURG 2	MAX MIN	44 24	29 23	43 28	42 29	34 22	28 17	42 18	48 31	43 36	56 37	41 25	33 24	30 13	20 8	38 7	42 29	46 29	37 33	39 27	32 25	33 24	31 16	38 15	47 27	33 28	39 30	32 28	34 23	28 18	21 21	34 22	37.0 23.8		
HAGERSTOWN	MAX OBS MIN OBS	36 23	47 32	53 41	45 36	38 31	44 21	50 31	50 42	46 42	52 38	38 29	39 30	34 21	36 15	51 29	48 26	47 30	45 37	43 30	37 28	39 26	40 18	45 22	45 23	45 35	40 36	39 33	36 27	39 19	38 24	41 31	42.8 29.2		
HANCOCK FRUIT LAB	MAX MIN	48 26	43 33	52 32	47 27	41 30	48 15	53 25	50 32	49 40	51 44	44 30	39 28	38 24	36 8	52 18	48 20	46 28	45 38	42 36	39 26	37 28	42 14	46 12	41 25	46 25	44 35	40 32	38 26	38 15	37 20	42 35	43.9 26.7		
ALLEGHENY PLATEAU 08																																			
MC HENRY 2 NW	MAX MIN	50 23	31 25	43 27	40 26	32 19	26 14	40 20	47 32	42 33	54 37	38 22	37 25	27 10	18 10	36 17	40 29	44 31	40 24	30 22	32 20	30 17	37 17	43 33	41 34	41 28	30 25	36 25	27 17	41 18	32 18	36.9 22.8			
OAKLAND 1 SE	MAX MIN	36 23	37 25	44 33	34 28	34 21	42 12	49 21	44 35	55 39	56 32	39 25	38 27	28 11	39 2	44 32	41 20	39 30	41 29	41 25	34 24	30 23	40 7	47 10	40 28	42 30	33 30	38 26	37 21	45 17	34 20	32 26	39.8 23.6		
SAVAGE RIVER DAM	MAX OBS MIN	43 27	33 27	46 31	46 31	37 25	32 16	44 16	51 27	47 39	56 38	45 28	35 24	36 16	23 6	42 5	46 23	45 23	41 33	40 30	36 28	36 26	34 13	36 13	46 16	34 31	40 31	32 30	36 27	33 24	54 23	37 23	40.1 24.2		
DELAWARE																																			
NORTHERN MIDDLETOWN 3 E	MAX MIN																																		
NEWARK UNIVERSITY FARM	MAX MIN	44 27	49 31	59 43	54 23	43 26	44 22	50 25	50 40	49 39	56 47	51 30	38 31	32 26	39 12	49 24	48 24	46 36	46 37	48 35	41 33	43 29	42 19	47 20	43 26	51 35	48 38	44 26	40 34	43 22	39 25	43 31	45.9 29.5		
WILMINGTON WSO AP	RMAX MIN	38 29	57 38	57 42	47 34	40 27	43 23	46 27	48 41	56 40	57 39	39 32	38 33	35 18	37 15	48 25	48 25	47 37	46 37	41 32	42 28	41 26	46 20	49 21	49 28	44 42	44 30	44 26	39 28	40 24	40 28	43 27	44.9 29.7		
WILMINGTON PORTER RESVR	MAX MIN	37 28	56 38	60 45	47 27	39 28	43 28	46 30	47 41	55 39	56 39	38 32	38 31	33 18	36 18	46 26	48 29	47 39	45 35	47 34	40 29	40 29	41 24	47 26	42 32	50 32	44 31	42 31	39 27	39 26	40 27	43 30	44.3 30.7		
SOUTHERN DOVER	MAX MIN	48 29	57 34	63 48	58 34	48 30	42 26	50 22	54 42	50 43	62 48	57 32	41 33	44 25	41 14	51 30	50 25	50 36	50 35	50 35	46 23	47 29	43 21	48 22	47 29	55 46	49 37	45 27	40 29	44 22	44 30	45 32	49.0 31.2		
GEORGETOWN 5 SW	MAX MIN OBS	49 33	50 27	65 46	59 38	48 26	39 19	45 24	52 27	51 43	65 47	59 35	43 27	39 25	41 11	41 23	51 24	53 34	50 30	48 37	49 29	51 24	46 20	43 18	46 26	62 42	49 33	45 27	44 25	44 21	45 27	33 33	48.8 29.2		
GREENWOOD 2 NE	MAX MIN	42 32	58 38	64 51	53 34	41 27	43 22	51 25	51 41	55 45	62 53	53 34	41 35	38 28	39 15	50 24	51 26	50 35	46 34	47 37	43 29	42 33	42 21	47 21	49 30	57 44	44 35	43 26	39 27	42 22	43 27	42 33	47.4 31.7		
LEWES	MAX MIN	46 35	55 43	63 53	55 36	44 31	45 28	52 26	48 41	57 47	66 53	66 36	42 36	40 29	41 18	49 30	51 26	47 39	50 41	48 37	43 30	41 32	42 32	49 24	50 34	59 46	48 39	43 30	39 37	41 25	46 32	41 33	48.6 34.8		
MILFORD 4 SE	MAX MIN	44 32	54 38	63 51	56 42	42 32	43 22	51 25	50 40	55 44	64 53	53 34	40 35	38 27	39 15	50 27	48 25	48 36	47 35	48 37	43 29	42 29	42 22	47 21	47 29	58 45	46 37	44 27	40 29	41 25	43 27	42 32	47.4 32.3		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

EVAPORATION AND WIND

MARYLAND AND
DELAWARE
DECEMBER 1986

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	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
UPPER MARLBORO 3 NNW	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M		
	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
ALLEGHENY PLATEAU 08	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M		
SAVAGE RIVER DAM	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
DELAWARE																																	
NORTHERN 01																																	
NEWARK UNIVERSITY FARM	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
SOUTHERN 02																																	
GEORGETOWN 5 SW	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	

EVAPORATION: IS MEASURED IN HUNDRETHS OF INCHES
WIND: IS MEASURED IN MILES
MAX AND MIN: THE MAXIMUM AND MINIMUM TEMPERATURES (FAHRENHEIT) OF THE WATER IN THE EVAPORATION PAN
SEE REFERENCE NOTES FOLLOWING STATION INDEX

SNOWFALL AND SNOW ON GROUND (INCHES)

MARYLAND AND
DELAWARE
DECEMBER 1986

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		
SAVAGE RIVER DAM	SNOWFALL SN ON GND					T T	T T						T T	T T	T									T T										
DELAWARE																																		
NORTHERN WILMINGTON WSO AP	01 RSNOWFALL SN ON GND WTR EQUIV												.3	T																			T	
SOUTHERN MILFORD 4 SE	02 SNOWFALL SN ON GND																																	T

SNOWFALL: INCLUDES SNOW AND ICE
 SNOW ON GROUND: INCLUDES SNOW, SLEET, ICE AND HAIL
 WATER EQUIVALENT: GIVEN FOR NWS STATIONS ONLY, WHEN SNOW DEPTH IS 2 INCHES OR MORE.
 SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
DECEMBER 1986

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER	
							LOCAL		STD TIME			
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)		
MARYLAND												
ABERDEEN PHILLIPS FLD	001506	06	HARFORD	39 28	76 10W	57	16	16		C	H	ROSS AVIATION INC
ANNAPOLIS POLICE BRKS	019300	04	ANNE ARUNDEL	38 59	76 30W	25	17	17			H	ANNAPOLIS POLICE BRKS
ASSATEAGUE ISLAND NATL	033500	01	WORCESTER	38 14	75 8W	7	7	7			H	NATIONAL PARK SERVICE
BALTIMORE WSO AP	046500	04	ANNE ARUNDEL	39 11	76 40W	196	MID	MID		C	C	NATL WEATHER SERVICE
BALTIMORE WSO CI #	047006	06	BALTO CITY	39 17	76 37W	91	MID	MID			H	OCMI COMMANDING OFFICER
BELTSVILLE	070000	04	PRN GEORGES	39 2	76 53W	120	8	8		8	C	U S DEPT OF AGRICULTURE
BENSON POLICE BARRACKS	073206	06	HARFORD	39 30	76 23W	365	17	17				MARYLAND STATE POLICE
BOYDS 2 NW	103206	06	MONTGOMERY	39 13	77 20W	580	18	18				HUNTER F STALEY
BRIGHTON DAM	112506	06	MONTGOMERY	39 12	77 1W	330		MID				WASH SUB SANY COMM
CAMBRIDGE INTR TRMT PL	138500	02	DORCHESTER	38 34	76 4W	5	16	16			H	WASTEWATER TRMT PLANT
CATOCTIN MOUNTAIN PARK	153000	06	FREDERICK	39 39	77 29W	1610	17	17		C	H	CATOCTIN MOUNTAIN PARK
CENTERTVILLE	162700	05	QUEEN ANNES	39 3	76 4W	60	17	17			H	INACTIVE 02/01/86
CHESTERTOWN	175000	05	KENT	39 13	76 4W	40	23	23			H	THOMAS W ELIASON JR
CLARKSVILLE 3 NNE	186206	06	HOWARD	39 15	76 56W	365	17	17			C	UNIVERSITY OF MARYLAND
COLLEGE PARK	199500	04	PRN GEORGES	38 59	76 57W	90	9	9			H	UNIVERSITY OF MARYLAND
CROWNINGO DAM	206006	06	HARFORD	39 39	76 10W	40	MID	MID			H	SUSQUEHANNA ELECTRIC CO
CRISFIELD SOMERS COVE	221501	01	SOMERSET	37 59	75 52W	8	17	17				SOMERS COVE MARINA
CUMBERLAND 2	228207	07	ALLEGANY	39 38	78 45W	730	18	7			H	TIMOTHY B THOMAS
DALECARLIA RESVR D C	232500	04		38 56	77 7W	146	17	17				U S CORPS OF ENGINEERS
DAMASCUS 2 SW	233500	06	MONTGOMERY	39 16	77 14W	720	19	19			H	RICHARD W SCHWERDT
DENTON 2 E	252300	02	CAROLINE	38 53	75 48W	50	17	17			H	ARTHUR REINHOLD
EDGEMONT	277000	07	WASHINGTON	39 40	77 33W	905	17	7			H	JOHN W HARNE
EMMITSBURG 2 SE	290606	06	FREDERICK	39 41	77 18W	416	17	17			H	MRS LUCILLE K BEALE
FREDERICK POLICE BRKS	334806	06	FREDERICK	39 25	77 26W	380	17	17			H	MARYLAND STATE POLICE
FREDERICK 3 E	335506	06	FREDERICK	39 24	77 22W	385	7	7				MISS I MARY STALEY
FROSTBURG 2	341507	07	ALLEGANY	39 40	78 56W	2170	7	7			H	LEE K CLOSE
GLENN DALE BELL STN	367504	04	PRN GEORGES	38 58	76 48W	150	16	16			H	USDA PLT INTRODUCT STN
HAGERSTOWN	397507	07	WASHINGTON	39 39	77 44W	660	18	18			C	HAGERSTOWN RESERVOIR
HANCOCK FRUIT LAB	403000	07	WASHINGTON	39 42	78 11W	428	16	16			H	SHARPSBURG RESEARCH C
LA PLATA 1 W	508000	03	CHARLES	38 32	77 0W	140	18	18			H	C RUSSELL LEVERING
LAUREL 3 W	511100	04	PRN GEORGES	39 6	76 54W	400	MID	MID			C	WASH SUB SANY COMM
MC HENRY 2 NW	583208	08	GARRETT	39 35	79 22W	2680	8	8			C	JOSEPH F JOHENNING
MECHANICSVILLE 1 E	586503	03	ST MARYS	38 27	76 41W	100	19	19			H	SANDRA J HASTING
MERRILL	589408	08	GARRETT	39 36	79 5W	1790	9	9			H	DELWOOD E MERRILL
MILLINGTON 1 SE	598505	05	KENT	39 16	75 52W	30	18	18			H	HOWARD L HARVEY
NATIONAL ARBORETUM D C	635004	04		38 54	76 59W	50	8	8			H	U S NATL ARBORETUM
OAKLAND 1 SE	662000	09	GARRETT	39 24	79 24W	2420	17	17			H	BEA J CROSCO
OWINGS FERRY LANDING	677000	03	CALVERT	38 41	76 40W	160	17	17			H	JAMES C RASMUSSEN
PARKTON 2 SW	684406	06	BALTIMORE	39 38	76 42W	600	23	23			C	JOHN R FOX
PATUXENT RIVER	691503	03	ST MARYS	38 20	76 25W	38	MID	MID			C	NAVAL WEATHER SERVICE
POTOMAC FILTER PLANT	727206	06	MONTGOMERY	39 2	77 15W	270		8				POTOMAC WATER FILT PLT
PRINCESS ANNE	733001	01	SOMERSET	38 13	75 41W	20	17	17			H	UNIVERSITY MARYLAND EAST
ROCKVILLE 1 NE	770506	06	MONTGOMERY	39 6	77 6W	440	17	17			H	WASH GAS & LIGHT CO
ROYAL OAK 2 SSW	780602	02	TALBOT	38 43	76 11W	10	18	18			H	JOHN L SWAINE JR
SALISBURY	800001	01	WICOMICO	38 22	75 35W	10	17	17			H	CITY OF SALISBURY
SALISBURY FAA AP	800501	01	WICOMICO	38 20	75 31W	48	MID	MID			H	FAA
SAVAGE RIVER DAM	806508	08	GARRETT	39 31	79 8W	1495	8	8		8	C	U S CORPS OF ENGINEERS
SNOW HILL 4 N	838001	01	WORCESTER	38 14	75 23W	28	18	18			H	CURTIS E SHOCKLEY
TOWSON	887706	06	BALTIMORE	39 23	76 34W	390	18	18			H	BENDIX FRIEZ
UNIONVILLE	903000	06	FREDERICK	39 27	77 11W	430	18	18			C	CAROLINE R VON EIFF
UPPER MARLBORO 3 NNW	907000	04	PRN GEORGES	38 52	76 47W	98	8	8			8	TOBACCO EXP FARM
VIENNA	914002	02	DORCHESTER	38 39	75 50W	12	18	18			H	DELMARVA POWER & LIGHT
WESTMINSTER POLICE BRK	944006	06	CARROLL	39 33	76 58W	765	17	17				MARYLAND STATE POLICE

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
DECEMBER 1986

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER
							LOCAL STD TIME				
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)	
WOODSTOCK	9750	06	BALTIMORE	39 20	76 52W	460	18	18		H	JOHN A HILTZ
DELAWARE											
DOVER	2730	02	KENT	39 9	75 31W	30	17	17		H	STATE DIV OF HIGHWAYS
GEORGETOWN 5 SW	3570	02	SUSSEX	38 38	75 27W	45	8	8	8	C	UNIV OF DEL SUBSTATION
GREENWOOD 2 NE	3595	02	SUSSEX	38 50	75 35W	45	18	18		H	DANIEL M SWARTZENTRUBER
LEWES	5320	02	SUSSEX	38 46	75 8W	15	17	17		H	BOARD OF PUBLIC WORKS
MIDDLETOWN 3 E	5852	01	NEW CASTLE	39 27	75 40W	55	17	17		H	DAVID S NEYHARD
MILFORD 4 SE	5915	02	SUSSEX	38 54	75 28W	30	17	17		H	DAVID S SCHLOTT
NEWARK UNIVERSITY FARM	6410	01	NEW CASTLE	39 40	75 44W	90	17	17	17	C	UNIV OF DELAWARE
WILMINGTON WSO AP	R 9595	01	NEW CASTLE	39 40	75 36W	79	MID	MID		C H J	NATL WEATHER SERVICE
WILMGTN PORTER RESVR	9605	01	NEW CASTLE	39 46	75 32W	274	MID	MID		H	WATER DEPARTMENT

SEE REFERENCE NOTES FOLLOWING STATION INDEX

REFERENCE NOTES

MARYLAND AND
DELAWARE
DECEMBER 1986

DEFINITIONS

STATION NAMES: Name of the city, town or locality. Figures and letters following the station names indicate the distance in miles and direction from the post office or town community center.

DIVISIONS: Areas within a state of similar climatological characteristics. Division averages are calculated using data from stations that record both temperature and precipitation (ie: not precipitation alone).

NORMALS: The average value of the meteorological element over a time period. Effective 1 January 1983, the averaging period is 1951 to 1980. The normals for National Weather Service localities have been adjusted so as to be representative for the current observation site.

MONTHLY DEGREE DAY TOTALS: One heating (cooling) degree day is accumulated for each whole degree that the daily mean temperature is BELOW (ABOVE) 65 degrees Fahrenheit.

PRECIPITATION: Values shown in hundredths of inches are water equivalent totals, i.e. total of liquid and melted frozen precipitation. In the "MONTHLY SUMMARIZED DATA" table the total snow and sleet values shown in tenths of inches are unmelted amounts. The max. depth on ground values of snow and sleet shown in whole inches are cumulative unmelted amounts. The no. of days with .10, .50, 1.00 or more refers to water equivalents.

TEMPERATURE: Original and edited temperature values are given in the Daily Temperature Table. Edited values are produced when an original value is missing or when surrounding stations indicate a suspect original value. When a line labeled OBS is present and contains either a daily temperature (suspect) or *** (missing), the temperature appearing directly above, on the line labeled MAX or MIN, is an edited value. Summary temperature information (averages, departures, extremes, monthly degree day totals) is based on the values labeled MAX/MIN.

WIND: (As shown in "Evaporation and Wind" table) The total wind movement in miles over the evaporation pan as determined by an anemometer recorder located 6-8 inches above the pan.

SYMBOLS AND LETTERS USED IN THE STATION INDEX TABLE

Thermometers located in a rooftop shelter.
// Rain Gage equipped with a windshield.
AR Observation made "after rain" has occurred.
C Station is equipped with recording rain gage (R) but values in this bulletin are from a non-recording rain gage unless indicated by an R.
G Observations appear in "Soil Temperatures" table.
H Observations appear in "Snowfall and Snow on Ground" table.
J Station also published as a Local Climatological Data publication.
MID Observation time is midnight.
MO Rain gage read once monthly, usually the last day.
OC Rain gage readings vary from a few weeks to several months.
R Amounts from recording rain gage.
SR Observation time near sunrise.
SS Observation time near sunset.
VAR Observation time varies.
WI Rain gage read weekly or irregularly.
WM Rain gage read weekly and last day of month.

SYMBOLS AND LETTERS USED IN THE DATA TABLES

(DAILY DATA ARE FOR THE 24 HOURS IMMEDIATELY PRECEEDING OBSERVATION TIME.)

BLANK entries in the "Monthly Summarized Data" table indicate no record. BLANK entries in the "Daily Precipitation" and "Snowfall and Snow on Ground" tables indicate zero.

BLANK entries in the "Daily Temperature" table indicate a missing record where an edited value could not be determined. (See *** below)

- No record. Data not recorded, determined unreliable by quality control checks, or not received in time for publication.

+ Precipitation or temperature extremes occurred on one or more previous dates during the month.

*** Missing original temperature which has been estimated during edit.

* Rain gage not read. Precipitation is included in the amount following the asterisks. Time distribution not known. A * preceding the monthly total indicates precipitation amount is being carried forward to next months total, and may include amounts from the previous month(s).

// Rain gage equipped with a windshield.

A Amount of precipitation is the total of observer's entries for the current month. It may include precipitation that occurred during the previous month. Refer to earlier bulletin to determine date of last reading. (HAWAII stations)

B Adjusted monthly value (estimated), (1-7 missing values for wind and evaporation).

M Insufficient or partial data. M is appended to average and/or total values computed with 1-9 daily values missing. M appears alone if 10 or more daily values are missing, (8 or more for wind and evaporation).

R Amounts from recording rain gage.

T Trace. An amount too small to measure.

V Includes total for previous month(s). (See * above)

Additional Information regarding the climate of this state may be obtained by writing to the National Climatic Data Center, Federal Building, Asheville, N. C. 28801-2696, or to any Weather Service Office near you. Additional precipitation data are contained in the "Hourly Precipitation Data" bulletin for each state, except Alaska.

Seasonal Tables: Monthly and seasonal snowfall and heating degree days for the 12 months ending with the June data are published in the July issue of this bulletin. Cooling degree days for the calendar year are published in the "Climatological Data Annual Summary".

Information concerning the history of changes in locations, exposure, etc. of substations through 1955 is available in the "Substation History" publication. Subsequent historical information is kept on file at the National Climatic Data Center. Similar historical information for regular National Weather Service Offices may be obtained from the "Local Climatological Data" annual publication.

SUBSCRIPTION, PRICE AND ORDERING INFORMATION AVAILABLE FROM:
NATIONAL CLIMATIC DATA CENTER
FEDERAL BUILDING
ASHEVILLE, NC 28801-2696

USCOMM-NOAA-ASHEVILLE, N.C. DECEMBER 1986-0800

NOTE: Special Weather Summaries are provided by State Climatologist or other qualified agencies for inclusion in the published Climatological Data bulletin. These summaries are not included in the depository library copies of the CD bulletin.

M A R Y L A N D & D E L A W A R E - D E C E M B E R 1 9 8 6

SPECIAL WEATHER SUMMARY

W.J. Moyer
State Climatologist/Maryland
Jull Hall, Room 1123A
University of Maryland
College Park, MD 20742

The month was warm and very wet. Both November and December were unusually wet whereas six of the previous ten months were unusually dry. During these two months moderate to heavy rainfall, reaching a climax with unusually heavy one-day totals on the 24th or 25th, brought an end to the 1986 drought in all sections of the two-state area.

Monthly temperatures averaged 37.8° (normal, 36.3°) for Maryland and 39.4° (normal, 37.7°) for Delaware. By comparison with recent Decembers, this year's temperature averaged much higher than that of a below normal 1985 but averaged much less than the much above normal 1984. Highest temperatures for the month reached mostly into the mid 50's to mid 60's on the 3rd while lowest temperatures were mostly in the teens on the 14th except for some single-digit temperatures in western Maryland.

Monthly precipitation averaged 5.73 inches (normal, 3.46 inches) for Maryland and 6.53 inches (normal, 3.69 inches) for Delaware. For Maryland, it was the seventh wettest December on a record dating back to 1895 and was exceeded by the following years (averages given in inches): 6.95 (1969); 6.90 (1901); 6.22 (1983); 6.08 (1902); 5.85 (1957); and 5.76 (1977). For Delaware, it was the fourth wettest December and was exceeded by the following: 7.59 (1969); 7.50 (1945); and 7.19 (1977).

The following indicates the areas and the stations where monthly totals over 7 inches were recorded:

Central Eastern Shore

Cambridge	7.91	Henderson	7.63
Horn Point	7.79	Denton 2 E	7.38
Denton 3.5 NE	7.67	Easton	7.23
		Royal Oak	7.08

Southern Maryland

Mechanicsville	7.77	Owings Ferry Landing	7.13
Prince Frederick	7.73	Edgewater	7.10
Davidsonville	7.36	Patuxent River NAS	7.00

Northern Central Maryland

Towson 7.21

Delaware

Greenwood	7.11	Milford	7.06
-----------	------	---------	------

The following indicates the areas and the stations where unusually heavy one-day precipitation (over 2.50 inches) was recorded. Some of these were record or near-record for December.

Central Eastern Shore

Cambridge	3.35	Denton 3.5 NE	2.60
Horn Point	3.05	Denton 2 E	2.50
Wye R. & E. Center	2.65	Church Creek	2.50

Southern Eastern Shore

Vienna	3.34	Poplar Hill	3.21
Salisbury FAA AP	3.21	Fairmount	2.90

Southern Maryland

Davidsonville	3.20	Solomons	2.78
Patuxent River NAS	3.18	Oxon Hill 1 SE	2.70
Edgewater	2.97	Bryantown	2.64
Millersville	2.84	South Bowie	2.63
Plum Point	2.80	Nanjemoy	2.53

Northern Central Maryland

Baltimore (City) 2.66

Delaware

Hickman	3.25	Milford	2.78
		Greenwood	2.66

Except for a few scattered light monthly totals, no measurable snowfall was recorded outside of western Maryland. The greatest monthly total was 5.6 inches at Frostburg, followed by 5.5 inches at McHenry.

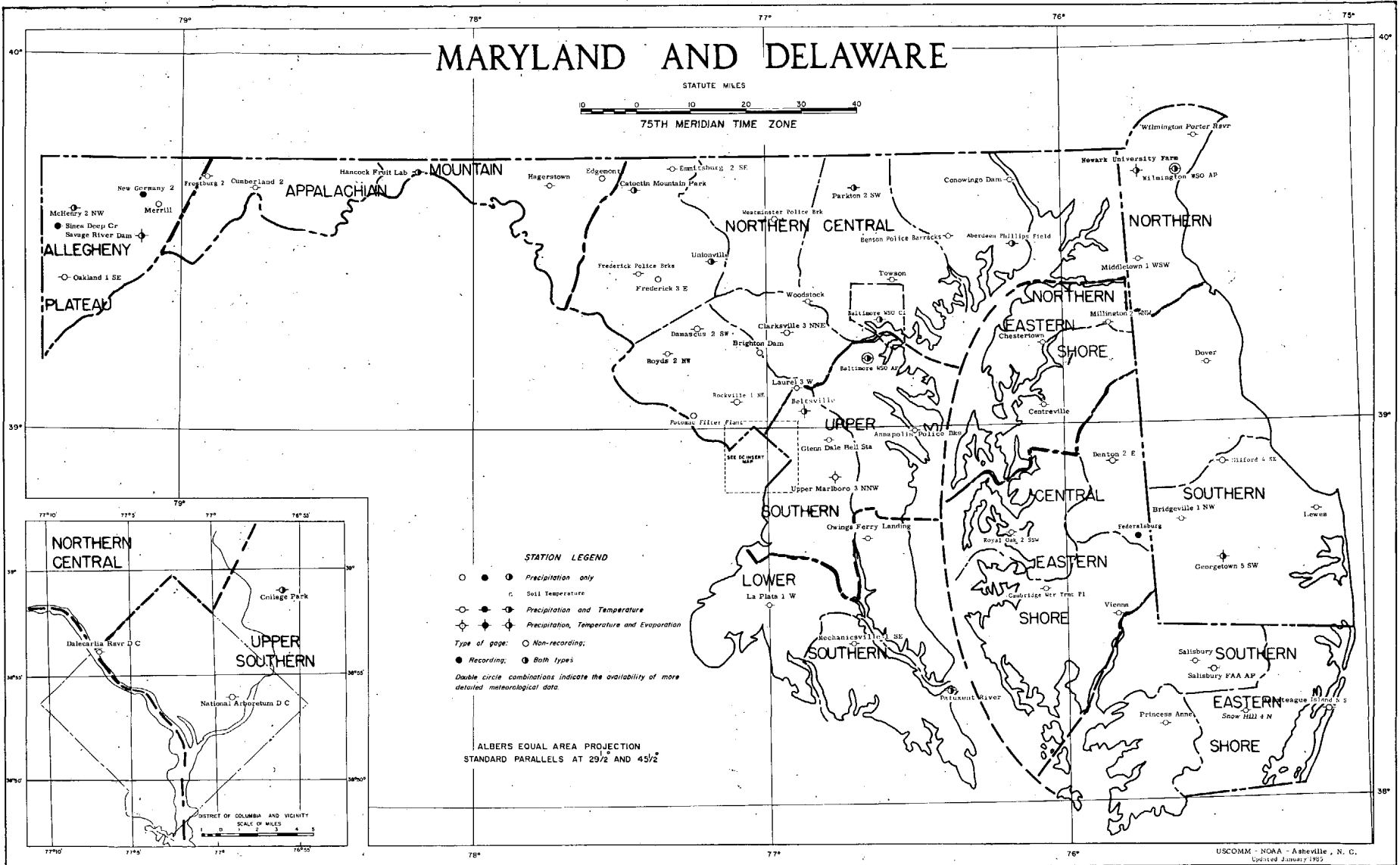
In the STORM DATA publication for December, one death was reported. A 38-year-old man drowned in the rain-swollen Oxon Run Creek, Prince Georges County, on the 24th.

MARYLAND AND DELAWARE

STATUTE MILES



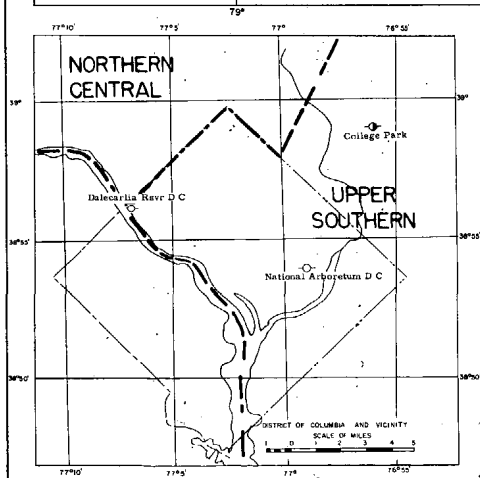
75TH MERIDIAN TIME ZONE



STATION LEGEND

- ● ● Precipitation only
 - Soil Temperature
 - ● ● Precipitation and Temperature
 - ● ● Precipitation, Temperature and Evaporation
- Type of gage: ○ Non-recording;
● Recording; ● Both types
- Double circle combinations indicate the availability of more detailed meteorological data.

ALBERS EQUAL AREA PROJECTION
STANDARD PARALLELS AT 29 1/2 AND 45 1/2



VALIDATED BY:

Charlie Aiken
Emily Atkins
Ted Burlew
Betty Edstrom
Bruce Emory
Joyce Morgan
Betty Shuford

DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE
NATIONAL CLIMATIC DATA CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

BULK RATE
POSTAGE & FEES PAID
United States Department Of Commerce
NOAA Permit No. G - 19