

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

OCTOBER 1986

VOLUME 90 NUMBER 10



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28801

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ASHEVILLE NORTH CAROLINA

TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND AND
DELAWARE
OCTOBER 1986

MARYLAND
 HIGHEST TEMPERATURE 94
 LOWEST TEMPERATURE 21
 GREATEST TOTAL PRECIPITATION 5.72
 LEAST TOTAL PRECIPITATION 1.62
 GREATEST 1 DAY PRECIPITATION 2.21

DELAWARE
 HIGHEST TEMPERATURE 91
 LOWEST TEMPERATURE 31
 GREATEST TOTAL PRECIPITATION 4.05
 LEAST TOTAL PRECIPITATION 2.16
 GREATEST 1 DAY PRECIPITATION 1.99

OCTOBER 3
 OCTOBER 20

OCTOBER 14

OCTOBER 1
 OCTOBER 21

OCTOBER 1

ASSATEAGUE ISLAND NATL SE
 OAKLAND 1 SE
 MC HENRY 2 NW
 CRISFIELD SOMERS COVE
 CAMBRIDGE WTR TRMT PL

MILFORD 4 SE
 GEORGETOWN 5 SW
 MIDDLETOWN 3 E
 LEWES
 WILMINGTON WSO AP R

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
OCTOBER 1986

STATION	TEMPERATURE (°F)											PRECIPITATION (IN)												
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING 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	32 OR BELOW	32 OR BELOW	0 OR BELOW										
MARYLAND																								
SOUTHERN EASTERN SHORE 01																								
ASSATEAGUE ISLAND NATL SE	72.2	51.5	61.9		94	3	38	19	166	74	4	0	0	0	1.71		.88	27	.0	0	3	1	0	
CRISFIELD SOMERS COVE	70.6	55.1	62.9	2.1	90	1	40	21	136	81	1	0	0	0	1.62	-1.59	1.07	15	.0	0	2	1	1	
PRINCESS ANNE	72.2	47.5	59.9	2.3	89	2+	30	21+	136	61	0	0	3	0	1.93	-1.75	1.37	26	.0	0	2	2	1	
SALISBURY	72.2	51.4	61.8	2.7	90	1	36	21+	136	73	1	0	0	0	1.88	-1.75	1.24	26	.0	0	2	2	1	
SALISBURY FAA AP	70.2	48.9	59.6	2.2	90	1	33	21	126	62	1	0	0	0	2.05	-1.68	1.02	26	.0	0	3	2	1	
SNOW HILL 4 N	72.5	50.1	61.3	3.2	91	1	32	21	185	76	1	0	1	0	2.40	-1.40	1.16	14	.0	0	3	2	2	
--DIVISIONAL DATA----->																								
CENTRAL EASTERN SHORE 02																								
CAMBRIDGE WTR TRMT PL	71.4	51.4	61.4	2.9	90	1	35	21+	184	77	1	0	0	0	2.89	-.39	2.21	14	.0	0	2	2	1	
DENTON 2 E	72.2	49.0	60.6	2.9	93	1	39	21+	203	75	2	0	0	0	3.12	-.25	1.59	14	.0	0	4	3	1	
ROYAL OAK 2 SSW	70.4	52.0	61.2	1.9	89	1	38	20	186	75	0	0	0	0	3.24	-.22	1.44	14	.0	0	4	3	1	
VIENNA	74.6	50.8	62.7	3.8	92	2+	35	21+	157	94	3	0	0	0	2.96	-.48	1.65	14	.0	0	4	2	1	
--DIVISIONAL DATA----->																								
LOWER SOUTHERN 03																								
LA PLATA 1 W	68.6	49.9	59.3	1.7	86	1	34	20+	230	60	0	0	0	0	2.14	-1.27	.76	13	.0	0	3	3	0	
MECHANICSVILLE 1 E	68.4	48.2	58.3		87	1	33	21	252	52	0	0	0	0	3.22				.0	0	2	1	0	
OWINGS FERRY LANDING	71.3	48.9	60.1	2.4	90	1	31	20	211	67	1	0	1	0	2.27	-1.00	.81	14	.0	0	4	2	0	
PATUXENT RIVER	69.9	54.1	62.0		91	1	43	20	160	74	2	0	0	0	2.41		1.14	14	.0	0	4	2	1	
--DIVISIONAL DATA----->																								
UPPER SOUTHERN 04																								
ANNAPOLIS POLICE BRKS	72.7	48.2	60.5		89	1	32	20	197	63	0	0	1	0	2.14		.64	28	.0	0	5	2	0	
BALTIMORE WSO AP	68.8	49.0	58.9	2.0	89	2+	33	20	236	54	0	0	0	0	1.86	-1.25	.77	14	.0	0	5	1	0	
BELTSVILLE	70.1	46.2	58.2	3.2	90	1	29	20	260	56	1	0	2	0	2.48	-.76	.68	28	.0	0	5	2	0	
COLLEGE PARK	71.4	48.9	60.2	2.8	93	1	32	20	209	66	2	0	1	0	2.04	-1.07	.70	14	.0	0	5	1	0	
DALECARLIA RESVR D C	71.9	46.5	59.2	1.6	90	1	31	20	233	60	1	0	2	0	1.79	-1.51	.62	14	.0	0	4	1	0	
GLENN DALE BELL STN	71.5	45.9	58.7	2.1	89	1	28	20+	246	56	0	0	5	0	2.12	-1.18	.63	14	.0	0	5	2	0	
LAUREL 3 W	70.2	50.3	60.3	2.1	89	1	35	19	200	62	0	0	0	0	2.77	-.36	1.00	14	.0	0	4	3	1	
NATIONAL ARBORETUM D C	73.3	44.9	59.1	.8	90	2+	30	21+	231	55	2	0	3	0	2.12	-1.05	.82	14	.0	0	4	1	0	
UPPER MARLBORO 3 NNW	70.7	42.3	56.5		91	1	28	20+	304	47	2	0	7	0	1.72	-1.57	.61	14	.0	0	4	1	0	
--DIVISIONAL DATA----->																								
NORTHERN EASTERN SHORE 05																								
CHESTERTOWN	68.8	49.4	59.1	1.3	86	2+	37	31+	229	54	0	0	0	0	2.50	-.66	.78	14	.0	0	5	2	0	
MILLINGTON 1 SE	69.9	46.7	58.3	1.8	87	1	30	20	255	53	0	0	2	0	3.59	.54			.0	0	5	2	0	
--DIVISIONAL DATA----->																								
NORTHERN CENTRAL 06																								
ABERDEEN PHILLIPS FLD	69.1	48.7	58.9		88	1	34	21	240	55	0	0	0	0	3.05				.0	0	2	1	1	
BALTIMORE WSO CI	70.8	53.9	62.4	2.3	91	2+	40	31	150	73	2	0	0	0	2.07	-1.02	.54	13	M	M	4	2	0	
BENSON POLICE BARRACKS	71.7	47.0	59.4	3.4	90	1	32	11	221	53	1	0	1	0	3.97	.99	1.86	22	.0	0	5	3	0	
BOYDS 2 NW	68.7	48.3	58.5		89	1	34	19	238	44	0	0	0	0	1.68		.45	13	.0	0	6	0	0	
CATOCTIN MOUNTAIN PARK	63.1	47.3	55.2		83	1	32	31	326	28	0	0	1	0	2.91		1.02	2	.0	0	6	2	1	
CLARKSVILLE 3 NNE	69.8	43.5	56.7		88	1	26	20	293	41	0	0	8	0	2.11		.52	26	.0	0	5	1	0	
CONOWINGO DAM	67.6	45.2	56.4	1.1	85	1	32	20	291	32	0	0	1	0	2.84	-.35	1.74	1	.0	0	4	1	1	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
OCTOBER 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	1.71					.02				.03					.25	.05
CRISFIELD SOMERS COVE	1.62					.01										1.07
PRINCESS ANNE	1.93														.53	
SALISBURY	1.88													.05	.49	.01
SALISBURY FAA AP	2.05					.01			T	.04			.06	.54		
SNOW HILL 4 N	2.40					.02				.10			.02	1.16	.01	
CENTRAL EASTERN SHORE 02																
CAMBRIDGE WTR TRMT PL	2.89					.02								.07	2.21	
DENTON 2 E	3.12							.04						.53	1.59	
ROYAL OAK 2 SSW	3.24					.02		T					.95	1.44		
VIENNA	2.96					.01				.24			.10	1.65		
LOWER SOUTHERN 03																
LA PLATA 1 W	2.14					.03		.03						.76	.65	
MECHANICSVILLE 1 E	3.22					T		.10						*	2.40	
OWINGS FERRY LANDING	2.27					.01								.46	.81	
PATUXENT RIVER	2.41					T		.01			.03			.43	1.14	
UPPER SOUTHERN 04																
ANNAPOLIS POLICE BRKS	2.14					.12		.02						.28	.46	
BALTIMORE WSO AP	1.86	.10	.06			T		T						.31	.77	
BELTSVILLE	2.48		T			.08		.03						.18	.61	.43
COLLEGE PARK	2.04		.21		T	.01		T						.17	.70	.09
DALECARLIA RESVR D C	1.79				.03	.04								.24	.62	
GLENN DALE BELL STN	2.12					T		.02						.35	.63	.15
LAUREL 3 W	2.77													.48	1.00	
NATIONAL ARBORETUM D C	2.12							.05						.05	.82	.15
UPPER MARLBORO 3 NNW	1.72							.07						.61	.15	
NORTHERN EASTERN SHORE 05																
CHESTERTOWN	2.50	.25													.49	.78
MILLINGTON 1 SE	3.59		.75		.05	.06								*	.96	.32
NORTHERN CENTRAL 06																
ABERDEEN PHILLIPS FLD	3.05															
BALTIMORE WSO CI	2.07	.09	1.12		T									*	*	1.15
BENSON POLICE BARRACKS	3.97				.05	.02								.54	.50	.02
BOYDS 2 NW	1.68				.08			.05						.45	.50	.08
BRIGHTON DAM	1.68				.02			.10						.45	.35	
CATOCTIN MOUNTAIN PARK	2.34	.14			.04			.01						.70	.50	
CLARKSVILLE 3 NNE	2.91				.09			.31						.25	.40	
CONOWINGO DAM	2.11				.05			.02						.48	.47	.01
DAMASCUS 2 SW	2.84	1.74			.08			.06						.40	.09	
EMMITTSBURG 2 SE	2.36	.52			.02			.08						.50	.46	
FREDRICK POLICE BRKS	2.34				.05			.25						.47	.30	
FREDRICK 3 E	2.70															
PARKTON 2 SW	2.07					.36		.04						.27	.59	
POTOMAC FILTER PLANT	2.07	.67			.09									.36	.33	
ROCKVILLE 1 NE	1.82	.24				.03								.38	.42	
ROCKVILLE 1 NE	2.77	.12												.51	.44	
TOWSON	2.12				.01			.06						.51	.57	
UNIONVILLE	2.14				.01			.08						.51	.57	
WESTMINSTER POLICE BRK	2.99				.02			.07						.19	.19	
WOODSTOCK	1.80				.09			.13					.47	.27	.34	
					.19			.04						.41	.40	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (CONT)

MARYLAND AND
DELAWARE
OCTOBER 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				.04							.40	.88	.01	.03		
CRISFIELD SOMERS COVE								.02	.02		.47		.03			
PRINCESS ANNE											1.37	.03				
SALISBURY											1.24	.05				
SALISBURY FAA AP		.02								.02	1.02	.38				
SNOW HILL 4 N										T	1.07	.02				
CENTRAL EASTERN SHORE 02																
CAMBRIDGE WTR TRMT PL											.56	.01	.02			
DENTON 2 E											.67	.02	.27			
ROYAL OAK 2 SSW									.04		.65	.02	.12			
VIENNA											.94	.02				
LOWER SOUTHERN 03																
LA PLATA 1 W										.02	.65	T	T			
MECHANICSVILLE 1 E		T								T	.68	.03	.01			
OWINGS FERRY LANDING											.79	.03	.17			
PATUXENT RIVER										.12	.68					
UPPER SOUTHERN 04																
ANNAPOLIS POLICE BRKS											.55	.01	.64			
BALTIMORE WSO AP		T								.01	.44	.21	T			
BELTSVILLE											.44	.03	.68			
COLLEGE PARK										.01	.47	.01	.37			
DALECARLIA RESVR D C										.03	.42		.41			
GLENN DALE BELL STN										.02	.51	.05	.33			
LAUREL 3 W											.50	.79				
NATIONAL ARBORETUM D C											.49	.05	.49			
UPPER MARLBORO 3 NNW											.44	.08	.35			
NORTHERN EASTERN SHORE 05																
CHESTERTOWN		T									.65	.22	T			
MILLINGTON 1 SE											.67	.15	.11			
NORTHERN CENTRAL 06																
ABERDEEN PHILLIPS FLD		T									#	.48	.28			
BALTIMORE WSO CI										.03	.42	.42				
BENSON POLICE BARRACKS											.51	.02	.42			
BOYDS 2 NW										T	.18	.16				
BRIGHTON DAM										.01	.50	.40				
CATOCTIN MOUNTAIN PARK										.08	.50	.05				
CLARKSVILLE 3 NNE		.05								.01	.52	.03	.30			
CONOWINGO DAM											.30	.10	.09			
DAMASCUS 2 SW										.06	.38	.22	.02			
EMMITTSBURG 2 SE		T								.02	.44	.01				
FREDRICK POLICE BRKS		-														
FREDERICK 3 E			T									.52	.29			
PARKTON 2 SW											.44	.03	.12			
POTOMAC FILTER PLANT											.40	.30	.05			
ROCKVILLE 1 NE										.02	.45	1.16				
TOWSON											.47	.03	.27			
UNIONVILLE										.29	.06	.11	.40			
WESTMINSTER POLICE BRK											.31	.30				
WOODSTOCK		T									.46	.02	.26			

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
OCTOBER 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	2.70	.06	.50		.79	.20													
EDGEMONT		2.42	.01	.74		.17	.23										.23	.35		
FROSTBURG 2		4.27	.22	.79		1.43	.35										.10	.58	.05	
HAGERSTOWN		1.63	T	.40		.17	.16		.04								.21	.37	.09	
HANCOCK FRUIT LAB		2.18	.06	.42		.14	.23										.03	.16	.11	
				.14		.23	.22										.31	.29		
ALLEGHENY PLATEAU MC HENRY 2 NW	08	5.72	.45	1.32		1.14	1.40													
MERRILL		4.27	.20	.70		1.65	.41										.21	.62	.10	
OAKLAND 1 SE		3.27	.46	.60		.17	.55										.18	.34		
SAVAGE RIVER DAM		3.56	.30	.55		.84	.75										.29	.45		
																	.16	.33	.03	
DELAWARE																				
NORTHERN MIDDLETOWN 3 E	01	4.05	1.63																	
NEWARK UNIVERSITY FARM		3.91		1.73		.08	.03		.14											
WILMINGTON WSO AP	R	4.04	1.99	T		.06	.01													
WILMINGTON PORTER RESVR		2.82	.53	.11		.05	.03										.36	.96		
																	.31	.85	.01	
																	.44	.66		
																	.46	.79		
SOUTHERN DOVER	02	2.45																		
GEORGETOWN 5 SW		2.88		.20		.02														
GREENWOOD 2 NE		2.87				.01			.02											
LEWES		2.16																		
MILFORD 4 SE		3.16				.02														
																	.50	.89	.14	
																	.51	1.35	1.32	
																	.17	1.16	.01	
																	.32	1.84		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (CONT)

MARYLAND AND
DELAWARE
OCTOBER 1986

STATION	DAY OF MONTH															
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
APPALACHIAN MOUNTAIN CUMBERLAND 2 EDGEMONT FROSTBURG 2 HAGERSTOWN HANCOCK FRUIT LAB 07			.12 .02 .01							T .01 .02 .04	.45 .32 .46 .46 .47	T .20 .18 T	T T .10		.01	
ALLEGHENY PLATEAU 08 MC HENRY 2 NW MERRILL OAKLAND 1 SE SAVAGE RIVER DAM		T	.01							.06 .11 .03	.20 .59 .21 .52	T T T	.17 .19 .17 .05	.02		
DELAWARE																
NORTHERN MIDDLETOWN 3 E NEWARK UNIVERSITY FARM WILMINGTON WSO AP WILMGTN PORTER RESVR 01											.73 .71 .76 .77	.04 .03 .12 .08	.06 .15			
SOUTHERN DOVER GEORGETOWN 5 SW GREENWOOD 2 NE LEWES MILFORD 4 SE 02		T	.02 .04 .03								.60 .37 .80 .62 .83	.02 .48 T .05	.06 .02 .17 .09 .12			

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
OCTOBER 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 90	93	94	80	90	75	68	66	75	76	63	67	70	74	76	63	62	67	61	62	63	71	70	79	67	65	67	71	72	70	71	72.2		
	MIN 65	69	66	67	68	57	45	43	58	50	47	54	57	62	44	43	40	40	38	39	41	39	50	52	53	54	57	51	46	54	48	51.5		
CRISFIELD SOMERS COVE	MAX 90	86	84	86	84	78	64	74	73	73	73	70	71	72	72	60	61	60	59	61	64	68	70	70	68	66	66	67	66	68	65	70.6		
	OBS ***			***			***																											
	MIN 73	75	66	72	72	59	47	47	67	52	48	53	60	60	51	48	42	45	41	45	40	53	57	59	50	54	60	57	53	58	44	55.1		
	OBS ***			***			***																											
PRINCESS ANNE	MAX 89	89	86	87	84	81	65	75	75	73	62	71	72	75	72	65	63	61	62	65	68	74	77	72	66	68	68	68	69	71	66	72.2		
	MIN 72	66	59	61	60	51	37	38	56	50	45	49	47	65	47	35	32	38	34	30	30	41	45	47	41	53	63	50	40	50	41	47.5		
SALISBURY	MAX 90	87	85	86	86	77	65	74	74	73	65	71	69	74	73	63	62	61	62	66	69	73	78	73	66	68	69	70	70	72	66	72.2		
	MIN 70	69	63	70	69	57	40	41	60	51	48	50	55	64	47	43	38	43	38	36	36	48	50	50	47	55	64	53	45	51	41	51.4		
SALISBURY FAA AP	MAX 90	87	83	87	79	67	63	74	79	60	64	70	72	74	59	63	62	61	62	66	68	74	77	70	62	67	67	68	70	70	61	70.2		
	MIN 71	68	64	73	63	49	41	39	57	47	51	50	52	55	43	39	35	42	37	34	33	46	48	46	44	55	54	46	42	49	42	48.9		
SNOW HILL 4 N	MAX 91	89	85	89	88	72	66	76	77	71	66	71	75	75	72	64	62	60	63	67	70	75	80	74	63	67	69	68	69	71	61	72.5		
	MIN 71	67	61	73	70	54	35	36	56	54	55	49	52	67	47	38	34	42	36	35	32	44	47	50	42	54	63	52	42	53	42	50.1		
CENTRAL EASTERN SHORE 02																																		
CAMBRIDGE WTR TRMT PL	MAX 90	88	87	85	88	76	65	75	73	72	63	64	69	75	74	62	60	60	59	63	66	70	78	76	68	67	67	68	69	69	66	71.4		
	MIN 73	68	65	72	68	59	48	47	61	48	45	52	52	63	49	42	38	46	42	35	35	45	44	52	48	53	51	54	45	51	43	51.4		
DENTON 2 E	MAX 93	90	86	89	85	76	67	76	78	73	62	72	65	76	70	65	58	62	64	68	70	75	80	75	62	66	65	70	69	72	59	72.2		
	MIN 70	64	59	75	69	55	34	48	57	46	40	46	59	64	43	35	35	41	34	33	33	44	49	48	43	53	59	50	48	48	37	49.0		
ROYAL OAK 2 SSW	MAX 89	88	84	86	83	74	63	74	74	68	65	69	65	74	72	63	62	61	60	64	68	72	75	70	63	65	65	68	68	67	62	70.4		
	MIN 73	67	65	74	70	57	40	47	64	47	43	47	61	64	49	39	41	43	40	38	39	47	52	51	48	53	59	55	46	53	40	52.0		
VIENNA	MAX 92	92	86	90	85	83	66	75	89	77	63	76	70	77	74	68	63	66	63	68	70	76	80	76	76	76	68	65	70	71	61	74.6		
	OBS ***			***			***									***	***	***	***	***	***													
	MIN 69	67	64	72	70	57	38	47	64	48	42	49	58	64	47	39	38	38	37	35	35	45	52	52	45	54	62	53	46	50	39	50.8		
	OBS ***			***			***									***	***	***	***	***	***													
LOWER SOUTHERN 03																																		
LA PLATA 1 W	MAX 86	82	82	85	82	70	62	75	74	70	62	67	66	72	69	59	57	56	58	62	67	71	75	69	66	63	66	67	67	61	59	68.6		
	MIN 70	67	64	69	67	52	39	46	61	48	43	44	60	65	46	36	41	40	34	34	36	44	49	48	54	53	58	50	43	48	39	49.9		
MECHANICSVILLE 1 E	MAX 87	84	82	83	79	69	62	74	74	65	62	66	63	74	66	60	58	57	59	64	66	72	75	69	58	66	67	68	67	68	56	68.4		
	OBS ***			***			***									***	***	***	***	***	***													
	MIN 68	65	62	68	66	51	38	42	59	48	42	45	55	57	44	34	36	38	35	33	33	43	49	48	50	53	53	50	40	48	41	48.2		
	OBS ***			***			***									***	***	***	***	***	***													
OWINGS FERRY LANDING	MAX 90	88	83	86	86	76	64	76	79	71	65	67	65	75	70	64	60	60	63	67	70	73	79	73	64	64	68	69	68	70	57	71.3		
	MIN 68	64	62	68	67	49	38	41	60	47	42	45	59	64	45	39	42	41	35	31	33	43	47	48	49	57	58	50	40	46	39	48.9		
PATUXENT RIVER	MAX 91	87	84	90	80	67	65	76	75	64	65	68	69	77	60	62	61	59	61	63	70	71	70	70	60	69	68	69	69	69	59	68.9		
	MIN 72	70	68	75	65	55	49	50	63	50	50	55	63	54	47	46	44	47	46	43	44	46	56	56	54	56	57	51	49	51	45	54.1		
UPPER SOUTHERN 04																																		
ANNAPOLIS POLICE BRKS	MAX 89	88	87	84	85	76	64	76	77	77	71	71	65	70	76	76	71	59	63	66	70	71	78	74	64	65	66	71	68	69	67	72.7		
	MIN 70	64	64	72	65	52	41	42	59	44	47	46	60	56	40	35	39	38	38	32	34	43	47	50	48	47	54	48	40	40	40	48.2		
BALTIMORE WSO AP	MAX 89	89	78	81	78	64	64	77	79	58	63	65	65	76	60	62	60	59	64	66	71	74	77	68	58	63	68	68	66	68	55	68.8		
	MIN 70	67	65	73	60	46	38	40	56	46	45	46	60	50	41	37	43	39	36	33	38	50	53	53	50	52	56	46	41	48	40	49.0		
BELTSVILLE	MAX 90	89	88	81	84	78	65	65	76	79	58	65	66	67	76	59	61	57	59	62	65	70	75	77	70	57	64	70	68	65	67	70.1		
	MIN 68	66	61	64	66	54	35	36	44	44	39	41	55	60	38	33	40	39	33	29	32	37	46	48	48	50	55	49	38	45	39	46.2		
COLLEGE PARK	MAX 93	91	88	84	82	79	65	67	77	80	59	62	67	69	76	62	63	63	60	64	66	72	77	78	71	59	64	70	69	66	69	71.4		
	MIN 76	66	63	60	68	55	39	40	57	46	41	44	58	61	42	36	42	42	35	32	35	46	48	49	50	53	56	51	40	46	40	48.9		
DALECARLIA RESVR D C	MAX 90	89	86	82	81	74	66	75	79	75	65	67	66	78	67	63	60	61	64	76	72	76	79	75	67	62	70	68	65	68	63	71.9		
	MIN 66	63	61	65	65	50	37	42	60	43	40	44	58	61	43	34	40	37	32	31	33	41	43	45	43	50	49	46	40	44	35	46.5		
	OBS							60																										

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
OCTOBER 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				
GLENN DALE BELL STN	MAX MIN	89 68	88 64	85 60	79 69	81 63	75 50	64 33	75 38	81 55	78 45	72 40	64 48	64 58	76 62	69 38	62 30	60 36	58 36	60 28	66 28	72 30	76 42	76 47	75 45	66 44	63 50	69 56	68 46	67 39	70 43	67 32	71.5 45.9		
LAUREL 3 W	MAX MIN OBS	89 68 68	88 66 66	81 64 64	80 71	79 61	66 49	66 43	75 45	81 59	59 43	64 39	66 47	65 58	87 49	63 39	64 41	58 44	60 44	60 35	64 35	67 47	73 43	77 54	76 56	75 54	58 48	63 50	68 54	69 50	65 47	71 47	58 42	70.2 50.3	
NATIONAL ARBORETUM D C	MAX MIN	90 67	90 62	88 60	85 63	84 67	78 54	71 36	67 36	77 40	80 44	65 38	67 42	62 48	66 57	77 40	75 34	71 34	68 42	63 31	63 30	66 30	71 33	76 44	78 46	74 46	70 48	67 52	69 49	69 39	65 44	79 37	73.3 44.9		
UPPER MARLBORO 3 NNW	MAX MIN	91 65	90 60	88 57	82 60	85 65	78 52	65 32	65 33	77 38	80 44	57 36	65 37	66 43	67 57	77 37	60 30	63 30	59 38	59 28	62 28	67 29	71 30	75 40	76 42	72 44	59 46	64 54	69 45	68 35	66 41	69 35	70.7 42.3		
NORTHERN EASTERN SHORE 05																																			
CHESTERTOWN	MAX MIN	86 70	86 67	82 62	81 72	78 59	66 54	63 39	77 44	81 60	64 45	63 42	69 48	65 60	73 53	60 45	62 38	57 40	60 45	61 37	64 38	69 38	75 47	77 51	67 49	59 47	65 52	62 55	68 48	66 42	68 47	59 37	68.8 49.4		
MILLINGTON 1 SE	MAX MIN OBS	87 69 69	85 64 64	80 58 58	82 71	78 65	70 52	63 35	77 41	79 56	73 42	62 37	68 44	66 58	69 63	69 58	63 35	66 35	69 37	73 33	77 30	70 32	73 42	77 46	70 48	61 43	65 43	64 56	68 49	67 39	68 46	60 35	69.9 46.7		
NORTHERN CENTRAL 06																																			
ABERDEEN PHILLIPS FLD	MAX MIN OBS	88 70 70	86 68 62	85 62 62	79 62 62	78 62 62	63 55	61 38	73 41	78 58	76 44	63 40	65 47	64 59	75 41	70 36	62 41	62 41	57 42	60 36	64 43	68 34	70 45	75 48	72 53	65 48	55 51	60 54	68 50	67 41	68 47	64 38	69.1 48.7		
BALTIMORE WSO CI	MAX MIN	91 72	91 70	77 66	81 74	78 64	65 53	67 47	78 50	83 58	58 44	66 48	68 53	68 62	79 48	64 45	65 45	58 50	60 47	66 42	70 46	76 46	76 58	81 58	69 60	60 51	65 53	68 58	71 55	68 50	70 49	58 40	70.8 53.9		
BENSON POLICE BARRACKS	MAX MIN	90 72	88 66	86 66	78 68	78 59	75 51	64 35	76 38	80 54	78 41	64 32	66 44	65 57	76 37	72 40	64 39	61 35	60 35	67 35	69 35	73 35	79 50	76 47	72 50	66 42	64 49	64 53	69 47	69 39	71 47	63 34	71.7 47.0		
BOYDS 2 NW	MAX MIN OBS	89 68	85 63	81 53	80 70	78 63	71 50	63 38	77 42	76 56	65 40	63 37	64 42	65 58	70 63	65 38	60 36	58 45	58 39	60 34	64 38	71 38	74 52	76 52	70 53	65 47	56 50	68 53	66 50	68 43	65 48	59 37	68.7 48.3		
CATOCTIN MOUNTAIN PARK	MAX MIN	83 67	81 64	79 59	74 66	74 58	65 45	56 38	69 45	70 56	70 36	57 35	58 42	60 52	63 55	54 39	49 44	51 37	56 33	58 39	63 44	69 44	67 54	81 55	69 51	60 42	65 45	68 51	71 48	68 46	70 51	58 32	70.8 47.3		
CLARKSVILLE 3 NNE	MAX MIN	88 67	86 64	85 56	80 67	78 53	64 52	65 30	75 32	80 49	75 42	64 30	66 36	65 59	70 63	66 40	62 30	60 40	58 35	62 27	65 26	71 28	75 39	77 42	72 44	66 44	64 50	65 50	66 48	68 34	66 40	60 30	69.8 43.5		
CONOWINGO DAM	MAX MIN	85 67	83 65	72 58	79 67	79 58	63 46	69 37	75 40	78 52	60 37	65 35	67 44	64 58	73 50	63 39	61 36	53 40	60 40	59 33	65 32	70 35	75 42	65 45	65 42	61 40	61 49	69 52	68 44	65 40	55 42	55 35	67.6 45.2		
DAMASCUS 2 SW	MAX MIN	86 67	83 63	78 62	77 68	75 61	69 49	61 35	75 43	76 57	68 39	62 38	62 41	63 58	69 53	57 36	59 35	54 40	57 38	60 33	62 34	67 39	72 50	73 53	67 52	58 46	56 49	65 53	65 50	66 44	64 49	54 36	66.2 47.6		
EMMITSBURG 2 SE	MAX MIN OBS	88 72 76	85 62	83 58	88 77	78 62	69 51	61 32	73 34	77 50	62 39	61 30	64 39	65 57	66 62	60 32	58 42	57 38	62 26	64 25	69 25	74 41	74 43	69 44	60 44	55 48	66 53	66 51	69 33	65 38	59 30	68.7 44.4			
FREDRICK POLICE BRKS	MAX MIN																																		
PARKTON 2 SW	MAX MIN	86 66	84 61	69 56	79 67	75 54	63 46	61 32	73 36	78 52	61 37	60 31	62 29	63 55	73 50	59 32	61 32	50 39	57 37	62 30	64 34	69 33	74 44	78 43	65 45	51 40	59 48	65 53	67 45	70 36	66 42	59 29	66.5 43.0		
ROCKVILLE 1 NE	MAX MIN	87 68	86 64	80 65	82 72	76 59	60 46	62 37	73 36	75 55	56 38	58 35	62 40	64 50	72 46	56 37	57 33	54 40	55 36	60 32	62 28	68 36	72 45	76 47	67 51	53 46	58 49	66 53	65 43	64 37	64 42	53 30	65.9 45.3		
TOWSON	MAX MIN OBS	90 70	88 64	86 59	80 72	81 59	74 50	65 39	77 41	82 57	77 39	70 39	65 58	66 40	67 57	63 43	60 41	57 41	64 35	68 36	72 37	75 50	78 52	72 51	63 44	62 46	69 52	63 44	62 40	69 43	68 48	65 33	71.5 47.8		
UNIONVILLE	MAX MIN OBS	88 66	86 61	76 57	79 69	81 59	71 46	58 31	75 33	78 51	69 28	63 33	64 51	66 76	71 48	63 39	60 30	65 31	64 23	63 25	65 23	70 25	72 31	75 41	69 43	68 40	57 40	68 43	67 41	69 33	65 36	58 27	69.1 40.2		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
OCTOBER 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	91	86	83	79	78	71	59	72	74	75	59	71	64	70	69	58	57	55	58	61	67	70	72	69	63	58	65	65	67	65	58	68.0
	MIN	70	63	52	66	59	51	37	43	55	36	36	41	54	59	37	35	40	38	32	37	41	50	54	52	42	45	52	49	39	50	32	46.7
WOODSTOCK	MAX	87	87	83	78	77	70	64	76	80	76	65	64	65	75	65	62	58	60	64	66	72	77	77	69	64	61	66	69	69	67	60	70.1
	MIN	69	65	59	70	62	52	33	35	54	42	35	41	58	63	40	32	41	37	30	30	32	43	45	49	44	50	55	48	37	43	33	46.0
APPALACHIAN MOUNTAIN 07	MAX	87	85	77	70	73	63	64	76	78	72	63	70	64	65	56	61	56	60	64	67	70	76	73	73	64	57	66	66	73	68	58	68.2
	MIN	67	63	63	63	50	35	35	36	43	35	36	41	55	41	36	36	35	29	31	31	32	44	48	48	48	49	53	37	39	34	34	42.8
CUMBERLAND 2	MAX	82	79	76	74	74	61	52	58	70	70	52	54	64	61	59	47	52	51	52	59	58	62	68	66	65	46	52	59	57	65	55	61.3
	MIN	63	64	60	60	53	44	32	31	39	38	35	36	41	53	35	34	33	33	31	29	32	37	49	51	44	40	46	47	42	41	34	42.2
FROSTBURG 2	MAX	88	86	78	80	77	70	65	76	79	71	63	63	65	71	60	60	56	58	63	65	70	74	71	68	61	56	67	66	71	64	58	68.4
	MIN	68	65	61	69	62	49	36	44	54	40	32	42	57	50	38	37	46	38	30	31	35	47	51	51	46	48	52	51	42	47	35	46.9
HAGERSTOWN	MAX	90	86	86	79	78	68	61	75	74	74	62	63	66	68	65	60	58	58	60	64	70	73	71	72	66	57	68	68	72	69	60	69.1
	MIN	68	64	60	67	62	51	31	32	45	31	27	36	49	60	39	33	41	32	32	26	28	38	43	43	46	49	53	51	33	43	27	43.2
HANCOCK FRUIT LAB	MAX	79	76	76	74	68	58	50	57	67	69	52	52	67	61	56	46	50	48	50	56	57	59	66	63	64	49	61	59	55	62	55	60.1
	MIN	62	61	58	60	53	40	33	33	42	37	34	34	42	55	31	31	33	32	31	32	35	37	47	48	40	40	48	44	40	42	34	41.6
ALLEGHENY PLATEAU 08	MAX	80	76	76	73	71	59	58	68	68	67	55	69	68	64	47	54	51	50	60	59	62	68	66	66	63	65	59	57	65	60	56	63.2
	MIN	63	63	58	66	54	42	28	30	39	38	35	39	55	42	33	29	41	30	21	21	24	41	41	39	42	43	50	46	29	46	28	40.5
OAKLAND 1 SE	MAX	85	80	80	75	75	67	56	64	73	73	55	57	68	65	63	52	57	54	57	62	62	65	71	68	69	50	57	62	60	65	58	64.7
	MIN	59	63	60	60	60	42	33	32	33	44	34	35	41	54	36	33	33	33	27	27	28	31	43	46	44	44	48	49	33	34	30	40.9
SAVAGE RIVER DAM	MAX	85	84	76	81	77	68	61	76	77	71	60	66	64	74	69	61	54	58	61	65	69	72	75	65	57	64	61	68	68	65	56	68.0
	MIN	68	64	59	69	62	53	37	42	57	44	45	48	59	62	41	37	37	44	36	38	36	45	48	53	42	52	54	48	41	48	38	48.6
DELAWARE NORTHERN 01	MAX	86	85	81	80	78	70	62	75	79	72	62	68	65	74	68	64	61	59	62	65	69	73	75	69	62	61	60	68	68	65	58	69.2
	MIN	69	65	59	68	61	51	35	38	55	42	35	47	59	62	39	36	37	46	35	35	36	44	47	49	39	54	53	49	40	39	35	47.1
MIDDLETOWN 3 E	MAX	84	84	75	80	76	62	60	73	77	55	60	68	64	74	59	61	54	60	61	65	68	70	75	67	57	61	57	67	67	65	55	66.5
	MIN	70	67	61	72	58	44	38	43	55	44	42	49	60	48	42	39	40	41	35	39	39	47	49	46	42	52	52	46	42	45	37	47.9
NEWARK UNIVERSITY FARM	MAX	83	82	71	80	78	61	60	72	77	56	60	67	63	72	59	58	54	58	59	64	66	72	74	65	57	59	57	65	68	65	55	65.7
	MIN	69	68	61	71	58	45	40	44	55	42	41	49	59	50	43	44	42	45	38	43	47	53	51	49	43	46	51	49	44	45	36	49.1
WILMINGTON WSO AP	MAX	90	87	86	84	90	72	65	75	78	74	64	69	64	77	76	64	63	60	62	66	70	73	78	78	67	67	67	70	70	67	67	72.3
	MIN	72	67	61	70	64	57	38	42	61	50	46	48	59	63	44	38	37	45	37	41	35	46	51	50	46	54	56	52	41	52	39	50.4
WILMGTON PORTER RESVR	MAX	87	89	86	87	85	78	66	63	75	74	69	66	65	71	75	59	63	61	58	61	65	68	73	77	67	68	68	67	67	70	69	70.9
	MIN	70	66	61	62	66	54	34	36	54	50	48	44	57	60	44	38	34	39	36	33	31	34	46	48	47	41	60	52	40	50	40	47.6
DOVER	MAX	90	87	82	86	82	71	64	74	75	67	62	70	66	76	69	62	58	60	62	67	69	74	77	69	61	66	65	68	69	69	58	70.2
	MIN	70	64	61	61	68	57	36	40	58	48	48	49	57	64	44	37	36	43	36	34	33	45	49	49	44	53	54	48	42	50	40	49.0
GEORGETOWN 5 SW	MAX	86	83	77	87	84	70	63	75	74	72	62	66	70	76	71	58	59	59	59	62	68	70	77	73	66	65	65	68	70	65	60	69.7
	MIN	73	68	66	75	66	58	49	43	62	51	52	56	58	58	45	45	39	51	49	42	37	49	53	55	47	56	58	54	47	54	46	53.6
GREENWOOD 2 NE	MAX	91	88	82	88	83	75	63	76	76	73	62	67	67	76	72	59	59	59	61	63	69	69	77	80	60	65	65	69	69	68	57	70.6
	MIN	71	64	62	72	66	56	35	39	58	49	49	53	56	64	44	42	37	44	37	36	35	47	49	48	42	53	55	53	44	52	44	50.2
LEWES	MAX	86	83	77	87	84	70	63	75	74	72	62	66	70	76	71	58	59	59	59	62	68	70	77	73	66	65	65	68	70	65	60	69.7
	MIN	73	68	66	75	66	58	49	43	62	51	52	56	58	58	45	45	39	51	49	42	37	49	53	55	47	56	58	54	47	54	46	53.6
MILFORD 4 SE	MAX	91	88	82	88	83	75	63	76	76	73	62	67	67	76	72	59	59	59	61	63	69	69	77	80	60	65	65	69	69	68	57	70.6
	MIN	71	64	62	72	66	56	35	39	58	49	49	53	56	64	44	42	37	44	37	36	35	47	49	48	42	53	55	53	44	52	44	50.2

SEE REFERENCE NOTES FOLLOWING STATION INDEX

EVAPORATION AND WIND

MARYLAND AND
DELAWARE
OCTOBER 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	30	43	48	40	37	21	99	19	29	79	39	32	32	17	49	42	23	29	34	29	39	18	6	39	12	1	9	15	52	17	59	1138	
		EVAP	18	12	22	14	-	7	29	27	13	11	24	11	14	6	2	17	12	10	9	2	14	13	12	7	14	9	0	0	12	14	4	13	3.72
		MAX	91	88	87	82	78	79	69	71	76	77	65	72	64	66	76	66	65	55	60	65	66	68	73	70	71	70	70	71	69	62	69	71.3	
		MIN	69	69	64	66	66	50	43	43	44	45	44	46	55	60	44	42	42	43	40	40	40	41	49	52	51	52	52	55	47	48	43	49.8	
UPPER MARLBORO 3 NNW		WIND	4	1	8	4	4	27	30	6	17	22	29	19	1	5	10	9	2	5	18	10	11	5	1	4	0	9	0	1	5	4	10	281	
		EVAP	13	17	18	9	4	23	20	12	11	14	14	10	3	0	15	11	9	4	8	10	12	10	6	10	8	4	-	10	10	4	16	3.26B	
		MAX	93	93	89	80	82	84	72	73	78	80	64	65	66	68	80	63	67	58	60	65	67	69	72	73	71	60	63	72	70	64	72	72.0	
		MIN	67	68	65	65	67	53	44	43	48	50	43	43	47	59	47	42	42	44	38	38	38	40	48	51	51	50	53	54	46	46	43	49.5	
ALLEGHENY PLATEAU 08																																			
SAVAGE RIVER DAM		WIND	*	36	21	22	33	38	49	10	13	37	38	32	18	8	30	32	17	21	16	12	17	18	20	19	30	42	8	11	23	26	35	732	
		EVAP	23	17	20	-	4	3	*	1	10	19	17	8	-	4	17	9	7	6	1	7	0	10	3	8	4	-	9	9	4	4	7	2.64B	
		MAX	81	82	79	70	70	65	70	65	66	68	61	64	61	61	64	52	52	50	52	50	50	53	58	64	59	49	55	58	55	52	53	60.9	
		MIN	56	65	64	64	61	50	60	39	41	49	39	42	45	55	41	39	38	40	37	36	36	36	44	46	47	46	47	46	39	39	37	45.9	
DELAWARE																																			
NORTHERN 01																																			
NEWARK UNIVERSITY FARM		WIND	29	39	27	35	55	81	27	17	15	47	37	28	11	22	61	9	17	30	30	23	23	21	30	20	35	17	29	28	19	27	39	928	
		EVAP	12	25	21	15	10	26	5	-	27	18	27	4	6	5	16	4	7	12	11	10	5	5	7	7	2	-	4	19	8	1	12	3.54B	
		MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
		MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
SOUTHERN 02																																			
GEORGETOWN 5 SW		WIND	99	44	57	88	94	82	89	31	57	57	98	32	30	77	84	55	26	46	73	45	34	30	18	33	22	43	27	33	48	74	77	1803	
		EVAP	23	22	20	14	6	35	34	13	7	10	13	8	7	-	37	16	9	19	9	1	11	11	11	9	-	27	3	6	12	12	12	4.45B	
		MAX	90	89	86	84	84	77	72	69	73	76	71	67	69	71	77	65	67	66	61	64	67	69	73	73	71	72	65	69	71	67	72	72.5	
		MIN	69	72	70	64	67	68	62	45	47	53	49	47	60	60	50	45	45	44	41	42	42	43	47	54	54	51	58	56	50	50	45	53.2	

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

STATION INDEX

MARYLAND AND
DELAWARE
OCTOBER 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 SHWARTZENTRUBER
LEWES	3220	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	5955	01	NEW CASTLE	39 40	75 36W	79	MID	MID		C	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
OCTOBER 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 PRECEDING 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.
- I 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. OCTOBER 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 repository library copies of the CD bulletin.

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

SPECIAL WEATHER SUMMARY

W. Joseph Moyer
1123A, Jull Hall
University of Maryland
College Park, MD 20742

The monthly temperatures average above normal and rainfall averaged a little below normal. Beginning with the spring month of March, Maryland's rainfall averaged below normal in six of the eight months; only July and August were near normal. In Delaware, rainfall in all eight months averaged below normal; only the August rainfall approached normal, averaging 4.36 inches (normal, 5 inches). The Palmer Drought Severity Index at the end of October indicated all areas in severe or extreme drought except the Northern Division of Delaware and the Allegheny Plateau Division of Maryland. The two most severely affected climatic divisions were the Northern Central Division of Maryland and the Southern Division of Delaware. No significant storms were reported.

The October temperatures averaged 58.5° (normal, 56.4°) for Maryland and 59.8° (normal, 56.4°) for Delaware. High temperatures on the 1st and/or 2nd were record or near record for these dates at some long-term stations. A few of these records included: Baltimore Airport, 89° on both days; Baltimore Custom House, 91° on 2nd; and Patuxent River NAS, 91° on 1st. Daily temperatures during the first five days of the month were also much above normal, averaging 13° at Baltimore Airport and 12° at Wilmington Airport. The month's highest temperatures across the two-state area ranged from mid 80's to low 90's except in the upper 70's to mid 80's in the Garrett County area. Lowest temperatures were mostly in the 30's except in the 20's to low 30's in western Maryland.

Monthly rainfall averaged 2.66 inches (normal, 3.21 inches) for Maryland and 3.03 inches (normal, 3.40 inches) for Delaware. It was the driest October since 1982 for both Maryland and Delaware. Rainfall was confined mainly to three periods: 1st through the 5th; 13th through the 15th; and 25th through the 28th. No snowfall was reported.

As another indication of the severe dry conditions across the two-state area, the following gives rainfall (in inches) expressed as a departure from normal during the period, January 1st through October 31st:

Western Maryland: Cumberland, -9.02; Hagerstown, -9.63; Hancock, -9.45; Oakland, -2.28.

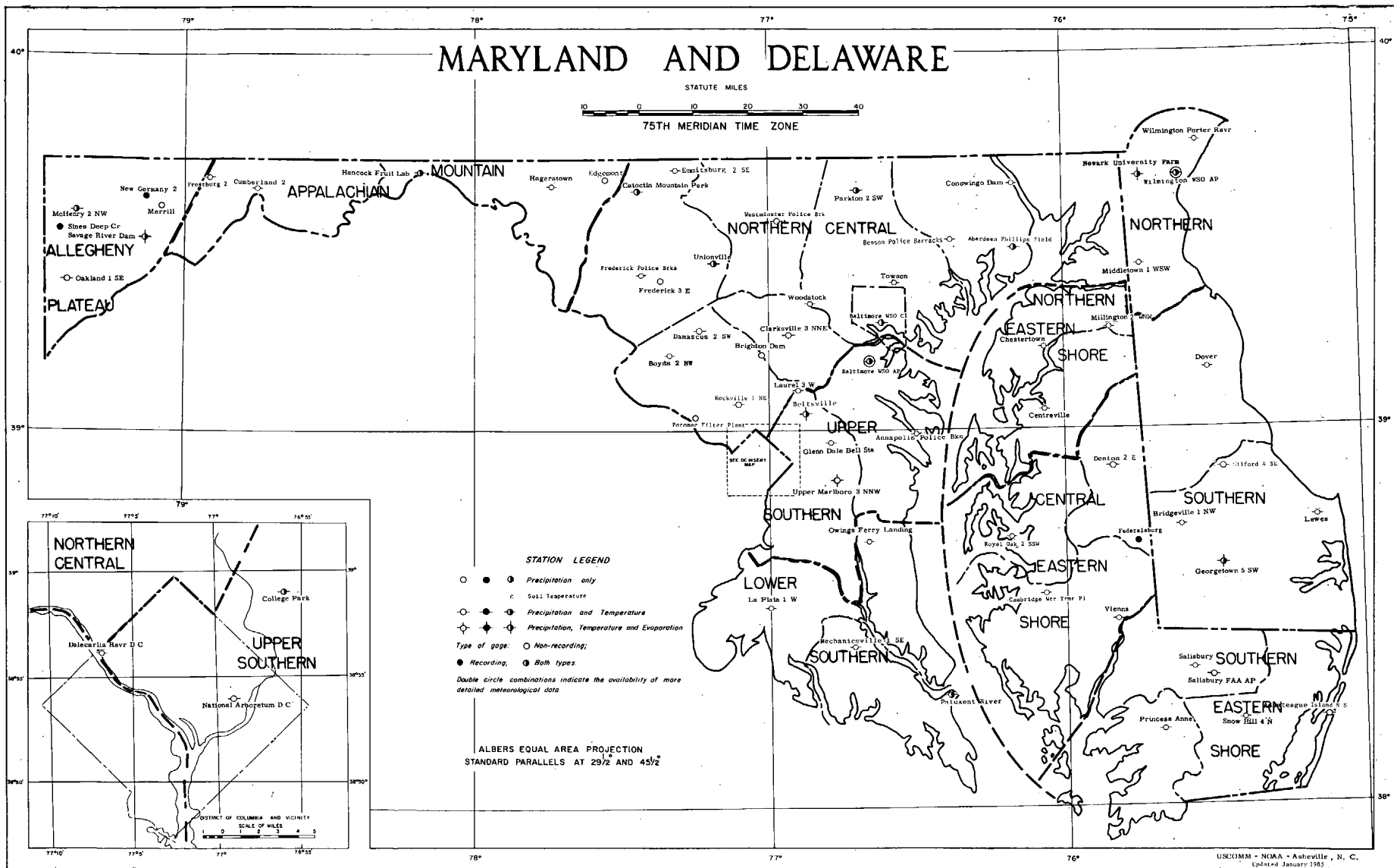
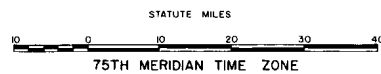
North Central Maryland: Baltimore Airport, -13.14; Baltimore City, -10.61; Bel Air, -12.52; Frederick, -13.89; Westminster, -13.63; Woodstock, -14.78.

Southern Maryland: College Park, -10.29; Patuxent River NAS, -11.36; Upper Marlboro, -12.36.

Eastern Shore: Cambridge (Horn Point), -11.62; Chestertown, -12.47; Denton, -8.38; Royal Oak, -8.24; Salisbury, -13.07; Snow Hill, -14.22.

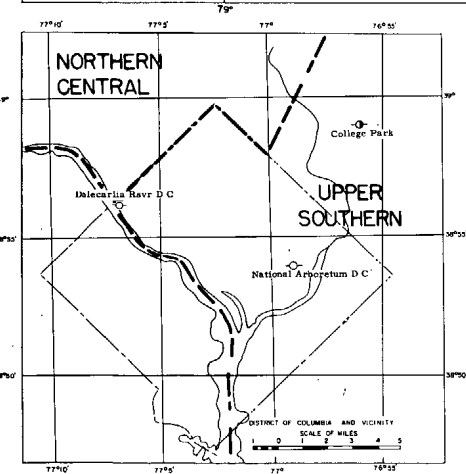
Delaware: Dover, -12.22; Georgetown, -8.47; Milford, -13.65; Wilmington Airport, -4.17.

MARYLAND AND DELAWARE



- STATION LEGEND**
- ● ○ Precipitation only
 - c 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
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