

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

NOVEMBER 1983

VOLUME 87 NUMBER 11



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ASHEVILLE NORTH CAROLINA

TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND AND
DELAWARE
NOVEMBER 1983

MARYLAND
HIGHEST TEMPERATURE 7.4
LOWEST TEMPERATURE 1.7
GREATEST TOTAL PRECIPITATION 7.07
LEAST TOTAL PRECIPITATION 3.34
GREATEST 1 DAY PRECIPITATION 2.36
GREATEST TOTAL SNOWFALL 20.0
GREATEST DEPTH OF SNOW OR ICE 4

DELAWARE
HIGHEST TEMPERATURE 7.4
LOWEST TEMPERATURE 2.3
GREATEST TOTAL PRECIPITATION 6.33
LEAST TOTAL PRECIPITATION 4.23
GREATEST 1 DAY PRECIPITATION 2.03

NOVEMBER 20
NOVEMBER 14

NOVEMBER 25
NOVEMBER 18

NOVEMBER 4
NOVEMBER 30

NOVEMBER 15

SALISBURY FAA AP
LAUREL 3 W
TOWSON
SAVAGE RIVER DAM
PRINCESS ANNE
MC HENRY 2 NW
MC HENRY 2 NW

NEWARK UNIVERSITY FARM
BRIDGEVILLE 1 NW
WILMGTON PORTER RESVR
BRIDGEVILLE 1 NW
WILMGTON PORTER RESVR

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
NOVEMBER 1983

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			
											90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW					TOTAL	MAX. DEPTH ON GROUND	DATE	.10 OR MORE
MARYLAND																						
SOUTHERN EASTERN SHORE 01																						
ASSATEAGUE STATE PARK	61.8	41.5	51.7		71 22	30 30	396	0	0	0	1	0	6.67		2.15	25	.0	0	7	5	3	
PRINCESS ANNE	61.3	38.5	49.9	1.9	71 24+	21 15	446	0	0	0	9	0	6.75	3.51	2.36	25	.0	0	8	4	2	
SALISBURY	61.1	41.0	51.1	1.6	71 20	29 30	411	0	0	0	2	0	5.91	2.80	1.65	25	.0	T	7	4	3	
SALISBURY FAA AP	62.5	41.2	51.9	4.2	74 20	29 30	387	0	0	0	4	0	5.05	1.99	1.82	24	.0	T	7	2	4	
SNOW HILL 4 N	60.9	38.9	49.9	1.4	70 22+	25 30	444	0	0	0	6	0	5.47	2.09	1.89	25	.0	T	6	4	2	
--DIVISIONAL DATA-->			50.9	2.0									5.97	2.78		.0						
CENTRAL EASTERN SHORE 02																						
CAMBRIDGE WTR TRMT PL	61.1	40.4	50.8	2.4	73 26	28 30	423	0	0	0	2	0	5.66	1.94	1.98	21	.0	0	7	3	2	
DENTON 2 E	59.6	38.9	49.3	1.7	70 20+	28 30	464	0	0	0	5	0	5.30	1.77	1.56	21	.0	0	7	4	2	
ROYAL OAK 2 SSW	59.3	41.0	50.2	1.3	71 3	30 15	437	0	0	0	2	0	5.51	1.78	1.53	25	.0	T	7	5	2	
VIENNA	61.3	39.8	50.6	1.6	71 3	24 15	426	0	0	0	3	0	4.41	1.09	1.13	25	.0	0	7	6	1	
--DIVISIONAL DATA-->			50.2	1.7									5.22	1.69		.0						
LOWER SOUTHERN 03																						
LA PLATA 1 W	59.7	37.9	48.8	1.5	71 22+	26 30+	479	0	0	0	8	0	5.01	1.81	1.47	25	.8	0	8	4	2	
MECHANICSVILLE 1 SE	60.3	40.6	50.5		71 22	30 26	432	0	0	0	2	0	5.35		1.20	21	T	T	10	5	3	
OWINGS FERRY LANDING		M	M														T	T				
PATUXENT RIVER	60.1	41.5	50.8		73 22+	29 30	417	0	0	0	3	0	4.53		1.14	25	T	T	6	5	1	
SOLOMONS		M	M		73 23	31 14		0	0	0	2	0	3.81	.50			.0	0	4	1	0	
--DIVISIONAL DATA-->			50.0	2.0									4.68	1.34		.8						
UPPER SOUTHERN 04																						
ANNAPOLIS POLICE BRKS	58.5	40.0	49.3		72 3	29 18	466	0	0	0	3	0	4.14		1.24	21	.0	0	7	3	1	
BALTIMORE WSO AP	57.1	37.0	47.1	.8	71 3	30 30+	530	0	0	0	6	0	5.02	1.91	1.95	28	T	T	9	5	3	
BELTSVILLE	57.0	34.6	45.8	.8	70 4	28 30+	569	0	0	0	10	0	5.43	2.46	1.32	25	T	T	5	5	3	
COLLEGE PARK	58.1	37.5	47.8	.9	72 23	28 14	507	0	0	0	6	0	5.19	2.09	1.42	25	T	T	7	4	3	
DALECARLIA RESVR D C	60.2	37.6	48.9	1.9	73 3	24 5	478	0	0	0	8	0	5.32	2.17	1.42	25	T	T	8	3	2	
GLENN DALE BELL STN	60.3	33.6	47.0	.7	72 22+	21 30	536	0	0	0	14	0	4.92	1.58	1.29	25	T	T	11	3	2	
LAUREL 3 W	59.9	35.0	47.5	.0	73 21	17 14	519	0	0	0	11	0	6.87	3.47	1.30	20	T	T	8	6	2	
NATIONAL ARBORETUM D C	58.5	35.2	46.9	-1.2	73 4	25 14	536	0	0	0	7	0	5.29	2.21	1.33	25	T	T	10	4	2	
UPPER MARLBORO 3 NNW	58.7	34.5	46.6		73 4	26 30+	545	0	0	0	11	0	4.93	1.77	1.29	25	.0	0	7	4	2	
--DIVISIONAL DATA-->			47.4	.8									5.23	2.10		.0						
NORTHERN EASTERN SHORE 05																						
CENTREVILLE	61.8	35.9	48.9		72 22+	27 13	476	0	0	0	9	0	5.56		1.30	20	.0	0	9	5	2	
CHESTERTOWN	58.6	39.0	48.8	1.8	70 9	31 18+	477	0	0	0	3	0	5.77	2.31	1.16	25	T	T	11	5	2	
MILLINGTON 2 NNW		M	M														.0					
--DIVISIONAL DATA-->			48.9	1.9									5.67	2.27		.0						
NORTHERN CENTRAL 06																						
ABERDEEN PHILLIPS FLD	59.8	39.4	49.6		70 3	31 18+	454	0	0	0	5	0	5.01				T	T	4	1	1	
BALTIMORE WSO CI	57.8	42.6	50.2	1.0	73 22+	34 13	437	0	0	0	0	0	5.24	1.90	1.00	28	T	T	9	5	1	
BENSON POLICE BARRACKS	58.4	33.6	46.0	.7	71 3	25 18+	564	0	0	0	13	0	6.54	2.65	1.42	21	T	T	12	5	2	
BOYDS 2 NW		M	M														M	M				
CATOCTIN MOUNTAIN PARK	51.7	36.3	44.0		63 22+	25 13	624	0	0	0	10	0	4.69		1.09	10	1.9	125	9	4	1	
CLARKSVILLE 3 NNE	58.4	34.1	46.3		70 3	26 30+	554	0	0	0	16	0	6.20		1.37	25	.6	0	10	5	2	
CONOWINGO DAM	56.2	35.9	46.1	2.0	69 3	28 5	560	0	0	0	9	0	6.12	2.64	1.02	20+	.0	0	9	6	2	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
NOVEMBER 1983

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			
											90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW					TOTAL	MAX. DEPTH ON GROUND	DATE	1.0 OR MORE	.50 OR MORE	1.00 OR MORE	
DAMASCUS 2 SW	55.1	38.1	46.6		68	3	28	13	545	0	0	0	7	0	6.03		1.31	10	1.0	T		9	4	3	
EMMITSBURG 2 SE	55.7	35.0	45.4		67	2	28	13	581	0	0	0	14	0	4.47		.92	21	T	T		8	3	0	
FREDRICK POLICE BRKS	57.6	36.6	48.1		70	3	32	30	499	0	0	0	5	0	4.29		.87	21	T	T		10	3	0	
PARKTON 2 SW	55.2	34.0	44.6		69	3	25	5	608	0	0	0	12	0	6.68		1.29	20	1.5	T		9	6	3	
TOWSON	57.9	37.7	47.8		70	3	27	30	510	0	0	0	6	0	7.07	3.24	1.42	25	.0	T	0	11	5	3	
UNIONVILLE	56.3	32.9	44.6	1.4	70	3	24	15	605	0	0	0	18	0	5.61	2.52	1.07	25	T	T		8	5	2	
WESTMINSTER POLICE BRK	55.6	37.6	46.6	2.3	67	3	27	13	545	0	0	0	9	0	5.93	2.32	.96	21	T	T		11	5	0	
WOODSTOCK	57.7	35.3	46.5	1.8	70	2	27	18	552	0	0	0	14	0	6.83	3.55	1.17	25	.5	T	0	10	5	2	
--DIVISIONAL DATA-->			46.6	1.4											5.74	2.39		.5							
APPALACHIAN MOUNTAIN																									
CUMBERLAND 2	55.3	34.8	45.1	1.0	71	22	26	13	594	0	0	0	10	0	3.76	1.35	1.20	11	.0	T	0	8	2	1	
FROSTBURG 2	47.9	31.6	39.8		62	23	20	14	752	0	0	0	17	0	5.41		1.48	11	13.7	T	25	11	4	1	
HAGERSTOWN	55.6	37.5	46.6	2.3	71	22	26	13	543	0	0	0	7	0	4.60	1.58	.92	21	T	T		9	4	0	
HANCOCK FRUIT LAB	56.8	33.8	45.3	2.5	70	23	24	13	584	0	0	0	14	0	3.55	.88	.90	10	T	T		9	3	0	
--DIVISIONAL DATA-->			44.2	.6											4.33	1.59		4.6							
ALLEGHENY PLATEAU																									
MC HENRY 2 NW	46.9	31.7	39.3		68	10	20	26	762	0	0	4	17	0	5.11		.62	28	20.0	T	4	18	14	5	0
SAVAGE RIVER DAM	49.8	31.1	40.5	.2	66	3	23	13	729	0	0	0	19	0	3.34	.99	.64	11	T	T		8	2	0	
--DIVISIONAL DATA-->			39.9	.8											4.23	1.23		10.0							
DELAWARE																									
NORTHERN																									
MIDDLETOWN 1 WSW	58.6	35.9	47.3		69	20	27	13	525	0	0	0	10	0	5.66		1.15	21	.0	T	0	11	5	2	
NEWARK UNIVERSITY FARM	59.6	36.0	47.8	2.0	74	4	27	5	508	0	0	0	8	0	5.55	2.36	.96	21	.0	T	0	9	4	0	
WILMINGTON WSO AP	56.9	36.5	46.7	1.1	70	3	26	14	542	0	0	0	9	0	5.48	2.15	1.73	15	T	T		9	4	2	
WILMGTON PORTER RESVR	55.4	37.1	46.3	1.1	66	22	28	13	557	0	0	0	7	0	6.33	2.57	2.03	15	.0	T	0	7	4	2	
--DIVISIONAL DATA-->			47.0	1.2											5.76	2.38		.0							
SOUTHERN																									
BRIDGEVILLE 1 NW	59.9	35.6	47.8	.3	70	20	23	30	510	0	0	0	11	0	4.23	1.06	.90	25	.0	T	0	8	5	0	
DOVER	59.9	39.2	49.6	1.4	70	20	29	5	457	0	0	0	4	0	5.42	1.89	1.30	21	.0	T	0	9	4	3	
GEORGETOWN 5 SW	58.7	37.3	48.0	.8	70	21	26	30	502	0	0	0	8	0	5.14	1.85	1.90	25	.0	T	0	5	4	2	
LEWES	60.2	41.8	51.0	3.0	71	20	29	30	414	0	0	0	3	0	5.43	1.94	1.45	25	.0	T	0	7	5	1	
MILFORD 2 WSW	60.2	38.8	49.5	1.9	71	20	26	5	456	0	0	0	4	0	4.31	.88	.98	25	T	T		8	4	0	
--DIVISIONAL DATA-->			49.2	1.4											4.91	1.54		.0							

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
NOVEMBER 1983

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 STATE PARK			6.67			.04				.10		.30	.50	.08			1.10
PRINCESS ANNE			6.75			.10						.49	.05	.09			.48
SALISBURY			5.91			.10						.41	.02	.08		.01	.33
SALISBURY FAA-AP			5.05			.02		T	.13			.49	.04				1.55
SNOW HILL 4 N			5.47			T	.02		.04			.86		.02			.39
CENTRAL EASTERN SHORE 02																	
CAMBRIDGE WTR TRMT PL			5.66			.02	.16		.06			.52	.01	.07			.43
DENTON 2 E			5.30			.01	.29	.02	.08			.56	.03	T			.47
ROYAL OAK 2 SSW			5.51			.03	.18		.04			.64	.03	.02			.53
VIENNA			4.41				.15		.05			.50	.04				.55
LOWER SOUTHERN 03																	
LA PLATA 1 W			5.01			.02		.13	.02			1.11	.11				.68
MECHANICSVILLE 1 SE			5.35			.10			T			1.00	.20	.10			.65
OWINGS FERRY LANDING			M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PATUXENT RIVER			4.53			T	.13	.07	.01			.74	.05				.81
SOLOMONS			3.81				.13	*	*	.06		.31	.32			.02	.02
UPPER SOUTHERN 04																	
ANNAPOLIS POLICE BRKS			4.14			.03	.22		.06			.98	.06				.58
BALTIMORE WSO AP			5.02			.18	.02	.09				.85	.15	.01			.60
BELTSVILLE			5.43			.08		.09	.08			.09	1.21	.07			T
COLLEGE PARK			5.19			.07	.10	T	.04			.12	1.00	.04			.04
DALECARLIA RESVR D C			5.32			.04	.05	.02				1.15	.46				.15
GLENN DALE BELL STN			4.92			.06	.20		.10			1.05	.23				.23
LAUREL 3 W			6.87			T	.25	.11				1.07	.60	T			.66
NATIONAL ARBORETUM D C			5.29			.04	.17			.05		.03	.92	.16			
UPPER MARLBORO 3 NNW			4.93			.03	.26		.05			.04	.91	.05			
NORTHERN EASTERN SHORE 05																	
CENTREVILLE			5.56					.45				.80	.05	.14			.30
CHESTERTOWN			5.77			T	.31	.18				1.02	.13	.09			.87
MILLINGTON 2 WNW			M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTHERN CENTRAL 06																	
ABERDEEN PHILLIPS FLD			5.01			.09						1.02	*	*	*	.35	.39
BALTIMORE WSO CI			5.24			.17	.02	.06				.88	.17	.01			.63
BENSON POLICE BARRACKS			6.54			.11	.15	T	.07	.02		.93	.40	.11	T		.40
BOYDS 2 NW			M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BRIGHTON DAM			6.33			.20		.13				1.10	.60				.53
CATOCTIN MOUNTAIN PARK			4.69			.10		.08	.02			1.09	.59	.03			.12
CLARKSVILLE 3 NNE			6.20			.09	.10	.01	.07			.99	.59	.01			.27
CONOWINGO DAM			6.12			.16	.08					1.02	.33	.07		.08	.90
DAMASCUS 2 SW			6.03			.10	.10	.09	.01			1.31	.45	.01			.45
EMMITSBURG 2 SE			4.47			.07		T				.92	.25				.48
FREDRICK POLICE BRKS			4.29			.10	T	.06	T			.86	.33	T			.30
FREDERICK 3 E			5.19			.11	T	T	.08	T		.05	1.50				
PARKTON 2 SW			6.68			.16		.12				1.13	.77	T			.61
POTOMAC FILTER PLANT			M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOWSON			7.07			.11	.12	.07	.20			1.28	.38				
UNIONVILLE			5.61			.08	.06	.07				1.02	.50				.35
WESTMINSTER POLICE BRK			5.53			.16		.13	T			.85	.76	.16			.37
WOODSTOCK			6.83			.08	.12	.03	.08			.97	.90	.03			.39

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (CONT)

MARYLAND AND
DELAWARE
NOVEMBER 1983

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 STATE PARK	1.81			.05		.54				2.15						
PRINCESS ANNE	1.48	.06				.70			.60	2.36	.33					
SALISBURY	1.17					1.33			.80	1.65			.02			
SALISBURY FAA AP	.21			T	.24	.09			1.82	.46		T	T			
SNOW HILL 4 N	1.45	.04				.58			.14	1.89			.02	.02		
CENTRAL EASTERN SHORE 02																
CAMBRIDGE WTR TRMT PL	.47					1.98			.21	1.69			.04			
DENTON 2 E	.30	T				1.56			.68	1.27			.03			
ROYAL OAK 2 SSW	.40	.06				1.28			.70	1.53			.07			
VIENNA	.52		.01			.91			.55	1.13						
LOWER SOUTHERN 03																
LA PLATA 1 W	.14					.93			.35	1.47			.05	T		
MECHANICSVILLE 1 SE	.10					1.20			1.00	.90			.10			
OWINGS FERRY LANDING		-	-	T	.92	T			.55	1.14			.08			
PATUXENT RIVER	.03			*	*	.91			*	*	*	*	1.33	.06		
SOLOMONS	.65															
UPPER SOUTHERN 04																
ANNAPOLIS POLICE BRKS	.05			.01	.71	1.24			.36	.35			.18	.03		
BALTIMORE WSO AP	.10					T			.46	.89			.95	T		
BELTSVILLE	.70	.02				1.13			.07	1.32			.05	.52		
COLLEGE PARK	.64	T				1.10			.09	1.42			.07	.46		
DALECARLIA RESVR D C	.38					.88			.20	1.42			.48	.09		
GLENN DALE BELL STN	.28	.09		T		.68			.32	1.29	.01		.28	.10		
LAUREL 3 W	T				1.30				.70	1.21			.97			
NATIONAL ARBORETUM D C	.68	.07				1.10			.11	1.33	.10		.20	.33		
UPPER MARLBORO 3 NNW	.78	.06				1.13			.12	1.29	.09			.12		
NORTHERN EASTERN SHORE 05																
CENTREVILLE	.70	.10		T	1.30				.52	1.20						
CHESTERTOWN	.11			T	.93	.21			.50	1.16			.26			
MILLINGTON 2 WNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTHERN CENTRAL 06																
ABERDEEN PHILLIPS FLD	.16				*	1.37			*	1.29			.34			
BALTIMORE WSO CI	.12			.01	.90				.40	.87			1.00			
BENSON POLICE BARRACKS	.50	.03				1.42			.20	1.21			.61	.38		
BOYDS 2 NW																
BRIGHTON DAM	.07			T	1.00	.10		T	.60	.98			1.01	.01		
CATOCTIN MOUNTAIN PARK						.96			.19	.88			.39	.24		
CLARKSVILLE 3 NNE	.32			.03		1.00			.18	1.37			.83	.34		
CONOWINGO DAM	.08			T	1.02	.19			.50	.93			.76			
DAMASCUS 2 SW	.09			.05	.04	1.05			.36	1.07			.82	.03		
EMMITTSBURG 2 SE	T	T				.92		T	.22	.86			.44	.31		
FREDRICK POLICE BRKS	.10			.04		.87			.20	.86			.39	.18		
FREDERICK 3 E	.47	T		.03	T	.73			.12	1.10			.09	.91		
PARKTON 2 SW	.03				1.29	T			.48	.98			1.06	.05		
POTOMAC FILTER PLANT																
TOWSON	.86					1.27			.22	1.42			.87	.27		
UNIONVILLE						.92			.37	1.07			.78	.39		
WESTMINSTER POLICE BRK	.29			.04		.96			.24	.91			.66	T		
WOODSTOCK	.33			.02		1.15			.22	1.17			.92	.42		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
NOVEMBER 1983

STATION	TOTAL	DAY OF MONTH														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
APPALACHIAN MOUNTAIN 07																
CUMBERLAND 2	3.76			.18	T		.05				T	1.20	.08			T
EDGEMONT	4.69			.09		T	.12	T			.01	.77	.48			
FROSTBURG 2	5.41			.24	.09	.07	.12	.06			.01	1.48	.46	.02		.02
HAGERSTOWN	4.60			.13	T	.02	.03				.90	.67				.42
HANCOCK FRUIT LAB	3.55			.22		.11					.90	.24				.55
ALLEGHENY PLATEAU 08																
MC HENRY 2 NW	5.11			.42	.12	.25	.27				T	.51	.40	.07		.16
MERRILL	3.63			.30	.20	.10	.18	.05			T	.86	.10			.19
SAVAGE RIVER DAM	3.34			.29	.02	.07	.05				.04	.64	.05	T		.17
DELAWARE																
NORTHERN 01																
MIDDLETOWN 1 WSW	5.66			.12	.18		.01				1.10	.15	.24	.01		.50
NEWARK UNIVERSITY FARM	5.55			.08	.23						.92	.18	.19			.89
WILMINGTON WSO AP	5.48			.15	.12	T					1.17	.07	.01		.04	1.73
WILMINGTON PORTER RESVR	6.33			.38							1.17	.09			.06	2.03
SOUTHERN 02																
BRIDGEVILLE 1 NW	4.23			T	.16		.15				.55	.05	.04			.40
DOVER	5.42			.03	.32	T					.73	.13	.15			1.00
GEORGETOWN 5 SW	5.14				.19		.06					.59	.04			
LEWES	5.43				.18						.80	.05	.05			.40
MILFORD 2 WSW	4.31			T	.20	.01					.41	.04	.06			.39

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (CONT)

MARYLAND AND
DELAWARE
NOVEMBER 1983

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	.53	.02		T	.02	.35			.10	.45			.45	.33		
EDGEMONT	.37			.03		1.10			.12	1.18			.07	.35		
FROSTBURG 2	.67	.13	.03	.01	.04	.30			.13	.55	T		.62	.36	T	
HAGERSTOWN	T			T	T	.92			.27	.80			.32	.12		
HANCOCK FRUIT LAB	.02			T	T	.39			.18	.44			.50			
ALLEGHENY PLATEAU 08																
MC HENRY 2 NW	.30	.52	.10	.02	.02	.10			.06	.56			.62	.61		
MERRILL	.26	.15				.20			.08	.43			.38	.15		
SAVAGE RIVER DAM	.42	.09	T	.02	.02	.10		.09	.06	.31	T		.60	.30	T	
DELAWARE																
NORTHERN 01																
MIDDLETOWN 1 HSW	.60			.09	T	1.15			.49	.86			.10	.06		
NEWARK UNIVERSITY FARM	.46					.96			.36	.93		*	.29	.06		
WILMINGTON WSO AP	.03	T		.01	.69	.12			.41	.68			.25	T		
WILMGTON PORTER RESVR	.04			T	.07	.95			.49	.70			.35			
SOUTHERN 02																
BRIDGEVILLE 1 NW	.54	.02		.02		.81			.57	.90			.02			
DOVER		.10		T		1.30			.47	1.13			.02	.04		
GEORGETOWN 5 SW	1.63					.65				1.90			.01	.01		
LEWES	.98			.01		.80			.70	1.45	.06		.01			
MILFORD 2 HSW	.59	.10		T		.89			.63	.98				.01		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
NOVEMBER 1983

STATION		DAY OF MONTH																															AVERAGE
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MARYLAND																																	
SOUTHERN EASTERN SHORE 01																																	
ASSATEAGUE STATE PARK		MAX MIN OBS	66 40 51	70 51 54	70 54 54	69 42 33	60 33 36	53 36 36	59 34 39	67 39 39	69 55 55	63 55 40	58 40 40	49 35 40	54 40 35	55 36 30	60 44 30	58 44 30	54 33 33	62 40 45	65 45 52	63 52 52	71 47 45	65 45 46	65 46 46	65 35 36	59 36 38	59 38 38	58 50 40	62 40 30	60 30 30	61.8 41.5	
PRINCESS ANNE		MAX MIN	65 30	69 49	68 47	65 40	51 30	51 31	58 32	68 33	69 35	66 47	65 54	56 40	46 32	51 32	50 21	59 46	53 46	51 29	66 43	71 33	65 52	67 39	66 39	71 53	64 33	59 37	65 33	60 40	68 53	55 25	61.3 38.5
SALISBURY		MAX MIN	64 34	69 48	70 50	60 40	51 34	52 35	59 36	69 38	70 39	65 49	64 51	55 40	46 34	50 37	50 32	57 46	52 46	52 33	67 42	71 41	66 52	70 42	65 43	70 53	64 36	60 37	64 36	60 47	67 52	53 29	61.1 41.0
SALISBURY FAA AP		MAX MIN	63 36	71 52	71 55	60 36	52 30	52 38	61 35	68 39	70 40	66 50	63 47	50 39	47 37	53 32	61 32	60 48	52 44	55 35	70 49	74 42	67 47	71 44	67 44	72 56	64 39	61 36	65 38	68 52	69 36	53 29	62.5 41.2
SNOW HILL 4 N		MAX MIN	62 30	70 50	69 51	65 41	52 27	51 35	59 32	66 33	68 35	64 47	63 54	55 38	47 33	51 36	50 28	59 45	59 43	53 29	69 38	69 38	63 51	70 41	63 40	68 53	63 34	61 33	65 33	58 45	64 50	52 25	60.9 38.9
CENTRAL EASTERN SHORE 02																																	
CAMBRIDGE WTR TRMT PL		MAX MIN OBS	62 38	63 45	69 47	68 42	49 36	51 35	59 39	66 39	68 39	69 51	65 49	58 40	46 35	50 35	47 29	55 43	54 42	53 37	60 42	68 44	65 41	70 39	70 43	62 52	63 35	73 37	64 34	63 46	65 49	59 28	61.1 40.4
DENTON 2 E		MAX MIN	62 32	67 32	70 45	62 37	48 41	51 34	57 34	67 35	69 38	64 46	64 48	55 38	47 31	52 36	49 34	55 43	49 41	51 30	63 41	70 42	65 49	68 40	61 41	63 52	63 34	60 37	63 35	58 47	66 47	50 28	59.6 38.9
ROYAL OAK 2 SSW		MAX MIN	64 38	61 41	71 46	63 41	49 39	52 37	57 42	66 39	68 40	63 48	63 48	57 39	45 34	50 33	47 30	55 42	50 43	52 34	63 41	67 44	64 51	69 41	65 43	61 53	61 33	60 44	63 36	57 46	63 50	52 31	59.3 41.0
VIENNA		MAX MIN OBS	63 35	68 43	71 49	68 40	55 34	50 34	59 37	67 39	70 40	70 50	70 50	59 40	45 32	51 36	50 24	56 47	50 43	52 35	64 41	69 42	69 42	70 43	65 43	67 54	64 35	58 34	63 35	60 48	65 36	52 32	61.3 39.8
LOWER SOUTHERN																																	
LA PLATA 1 W 03		MAX MIN OBS	62 39	64 39	71 48	63 37	48 32	50 32	59 33	65 37	67 35	63 46	61 46	54 39	47 30	51 26	48 30	54 41	49 38	54 27	67 45	68 42	65 48	71 39	65 41	63 52	63 33	62 34	63 31	60 48	64 42	51 26	59.7 37.9
MECHANICSVILLE 1 SE		MAX MIN	69 45	64 38	69 42	68 40	48 33	54 36	50 40	63 41	65 42	63 45	69 48	57 33	54 34	55 32	53 37	54 40	48 38	53 33	63 37	68 41	65 63	71 43	69 47	62 54	68 44	61 30	55 38	56 49	60 41	55 33	60.3 40.6
OWINGS FERRY LANDING		MAX MIN																															M M
PATUXENT RIVER		MAX MIN	61 43	64 46	73 54	59 41	57 37	51 36	60 41	63 40	66 39	64 51	60 45	48 38	45 36	52 33	57 32	57 44	51 38	55 32	64 46	65 46	62 51	73 47	62 45	65 53	62 36	64 40	62 40	64 51	64 35	53 29	60.1 41.5
SOLOMONS		MAX MIN	59 43	59 45	64 49	72 38			51 34	61 41	60 46	61 45	63 48			53 31	56 34	58 40	51 33														M M
UPPER SOUTHERN																																	
ANNAPOLIS POLICE BRKS 04		MAX MIN	59 40	61 41	72 49	68 38	54 34	52 32	60 39	61 39	63 38	62 46	62 46	55 39	46 34	51 35	48 34	53 41	48 29	59 45	63 40	63 49	71 43	62 44	58 53	60 33	62 37	62 37	54 48	59 45	53 32		58.5 40.0
BALTIMORE WSO AP		MAX MIN	60 35	63 38	71 47	48 35	45 32	52 30	58 35	64 35	67 35	61 46	56 40	45 35	46 33	51 30	46 31	52 36	48 30	54 30	61 39	65 36	62 45	69 39	58 43	61 51	53 34	61 33	62 35	61 47	62 35	51 30	57.1 37.0
BELTSVILLE		MAX MIN OBS	59 34	61 35	64 42	70 33	47 36	45 31	50 33	59 33	66 32	68 42	61 45	56 38	43 33	45 28	50 28	45 38	52 38	47 30	54 33	62 34	67 35	61 38	69 45	60 45	61 32	69 32	60 30	61 36	64 32	53 28	57.0 34.6
COLLEGE PARK		MAX MIN	60 37	62 38	64 46	71 35	49 34	46 34	51 34	60 34	67 44	70 43	61 44	57 39	46 32	46 28	52 30	46 39	53 42	48 29	55 39	63 35	68 49	63 36	72 42	62 54	61 34	46 33	62 32	65 40	64 49	54 29	58.1 37.5
DALECARLIA RESVR D C		MAX MIN OBS	63 37	65 38	73 46	70 37	46 24	50 32	61 37	67 35	70 46	64 41	62 44	53 35	47 31	52 28	45 30	56 31	52 38	55 34	64 38	67 48	65 48	72 44	63 41	62 51	61 26	63 33	65 39	57 47	63 39	53 29	60.2 37.6

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
NOVEMBER 1983

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	63	64	72	71	46	54	60	68	70	67	61	51	44	52	49	52	52	55	61	67	67	72	70	61	57	63	66	58	63	53	60.3	
	MIN	32	34	42	28	34	32	30	31	30	40	39	35	26	22	36	36	40	22	34	31	45	33	38	47	29	27	27	43	45	21	33.6	
LAUREL 3 W	MAX	64	65	70	55	48	52	60	70	71	66	62	48	49	54	54	48	54	63	58	73	69	60	64	55	63	66	65	64	53	59.9		
	OBS																																
	MIN	37	34	46	32	32	29	35	36	36	30	36	26	28	17	32	38	33	30	45	37	44	40	47	48	28	31	39	37	33	33	35.0	
	OBS																																
NATIONAL ARBORETUM D C	MAX	60	62	64	73	50	46	51	60	67	72	61	61	47	47	46	46	53	49	55	63	69	63	67	62	61	47	62	65	64	61	58.5	
	OBS																																
	MIN	26	30	39	38	35	35	35	35	34	35	46	37	32	25	26	35	38	26	33	36	43	38	38	42	34	31	33	35	48	38	35.2	
UPPER MARLBORO 3 NNW	MAX	59	61	64	73	49	47	50	60	67	69	62	57	47	48	52	48	53	49	56	65	70	63	72	61	62	50	62	65	65	56	58.7	
	MIN	34	36	40	35	31	31	35	33	32	35	48	38	32	27	26	34	39	26	30	34	47	39	40	44	34	32	30	33	34	26	34.5	
NORTHERN EASTERN SHORE 05																																	
CENTREVILLE	MAX	63	65	72	62	60	63	59	70	70	62	63	55	55	54	52	53	50	54	63	71	70	72	62	63	62	62	64	63	64	57	61.8	
	OBS																																
	MIN	33	30	41	40	37	39	34	33	34	43	44	35	27	29	32	30	40	29	38	40	36	39	39	48	30	34	32	42	40	28	35.9	
	OBS																																
CHESTERTOWN	MAX	62	64	69	55	46	50	58	67	70	64	61	46	46	51	52	52	48	52	61	69	61	68	61	62	61	60	63	64	64	50	58.6	
	MIN	35	39	46	37	31	35	39	37	37	45	38	37	31	35	40	42	40	31	42	39	49	42	41	50	34	39	38	47	39	35	39.0	
MILLINGTON 2 WNW	MAX																																
	MIN																																
NORTHERN CENTRAL 06																																	
ABERDEEN PHILLIPS FLD	MAX	59	63	70	69	49	54	58	65	67	66	63	55	50	52	52	52	48	53	60	67	65	69	67	61	61	63	63	63	59	51	59.8	
	OBS																																
	MIN	33	36	52	38	31	34	38	35	34	48	48	38	31	31	40	45	41	31	39	40	49	40	42	52	35	35	38	47	48	32	39.4	
	OBS																																
BALTIMORE WSO CI	MAX	60	64	73	49	47	53	60	65	66	60	56	45	47	52	48	52	48	56	62	64	65	73	58	60	54	62	63	60	60	53	57.8	
	MIN	43	46	49	40	38	36	42	44	44	51	40	38	34	37	39	42	42	36	48	46	50	47	52	52	35	38	44	48	40	36	42.6	
BENSON POLICE BARRACKS	MAX	62	63	71	68	46	53	57	66	67	62	59	52	48	53	46	53	47	54	64	63	58	68	67	56	57	60	65	57	59	50	58.4	
	MIN	30	34	42	33	25	28	34	32	31	37	40	32	26	27	32	37	37	25	36	34	42	37	39	45	30	28	33	41	35	26	33.6	
BOYDS 2 NW	MAX																																
	MIN																																
CATOCTIN MOUNTAIN PARK	MAX	57	61	63	53	38	41	51	60	63	51	50	41	43	45	43	43	44	49	57	56	58	63	59	53	51	54	57	49	56	42	51.7	
	MIN	39	42	48	32	30	29	34	34	36	47	36	31	25	29	30	33	34	31	41	41	40	40	49	46	28	33	43	40	37	30	36.3	
	OBS																																
CLARKSVILLE 3 NNE	MAX	62	65	70	67	46	50	58	67	68	59	59	50	46	51	45	55	47	56	61	65	64	69	58	59	59	62	65	58	61	50	58.4	
	MIN	31	34	42	34	28	28	30	30	29	36	42	37	30	31	26	38	40	27	33	31	44	32	38	50	32	28	29	46	42	26	34.1	
CONOWINGO DAM	MAX	57	63	69	50	45	50	58	61	62	58	58	49	46	50	49	56	46	52	57	63	62	66	57	57	53	63	58	57	60	53	56.2	
	MIN	34	37	44	34	28	32	35	36	35	40	38	37	32	29	40	41	39	30	38	35	42	35	40	48	32	31	33	42	32	29	35.9	
DAMASCUS 2 SW	MAX	60	62	68	61	43	47	56	63	66	55	53	45	44	49	41	50	43	52	59	62	61	67	60	56	54	58	62	54	56	47	55.1	
	MIN	40	40	49	34	29	29	36	42	41	48	40	33	28	29	34	37	37	31	43	41	41	51	49	50	34	34	43	44	37	31	38.1	
EMMITSBURG 2 SE	MAX	60	63	67	65	45	51	55	62	65	57	53	49	45	49	46	45	46	52	59	57	62	67	66	58	53	60	60	56	50	47	55.7	
	MIN	32	32	47	37	32	30	30	29	28	37	40	36	26	29	27	37	39	32	39	32	43	38	38	48	32	32	33	42	40	34	35.0	
FREDRICK POLICE BRKS	MAX	62	63	70	67	46	51	58	64	66	66	55	49	46	48	48	51	49	55	60	58	63	68	68	59	55	60	63	60	52	47	57.6	
	MIN	39	40	49	39	37	34	37	35	34	45	42	36	32	32	32	38	41	34	43	39	47	40	44	49	32	35	35	44	41	32	38.6	
PARKTON 2 SW	MAX	59	65	69	46	41	52	55	64	67	58	52	44	45	50	44	50	46	52	62	62	62	67	57	55	49	59	62	56	58	48	55.2	
	MIN	33	36	44	28	25	27	33	34	35	40	35	32	28	27	30	34	34	26	40	36	42	35	42	47	32	29	36	42	30	28	34.0	
TOWSON	MAX	60	62	70	64	47	52	55	64	66	59	60	59	46	51	47	52	52	54	62	62	63	69	60	57	57	60	64	54	59	50	57.9	
	OBS																																
	MIN	36	36	46	32	36	31	37	36	36	43	46	36	28	30	38	42	40	37	41	40	45	43	44	46	28	33	37	42	38	27	37.7	
	OBS																																
UNIONVILLE	MAX	62	65	70	64	46	51	56	65	68	55	54	49	44	48	40	50	46	53	61	63	63	69	60	58	53	60	61	54	52	48	56.3	
	MIN	31	33	43	30	26	29	29	28	28	36	41	37	26	29	24	37	39	26	31	31	38	29	36	50	32	28	28	45	38	29	32.9	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
NOVEMBER 1983

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 OBS MIN	58 35	62 40	67 48	65 33	45 31	48 30	54 30	62 39	64 40	58 42	55 40	48 33	42 27	46 32	46 31	49 36	46 38	50 32	60 41	61 41	61 45	65 43	65 48	57 48	57 31	56 32	60 44	58 42	58 41	45 36	55.6 37.6
WOODSTOCK		MAX MIN	62 32	64 35	70 46	63 34	42 28	52 30	58 32	62 32	69 31	58 37	59 41	49 36	48 28	52 30	44 27	55 37	45 39	55 27	62 38	64 36	63 44	70 38	60 40	58 50	57 32	60 32	65 31	54 45	60 40	50 30	57.7 35.3
APPALACHIAN MOUNTAIN																																	
07	CUMBERLAND 2	MAX MIN OBS	62 36	67 40	66 35	53 35	45 37	50 34	56 28	64 30	66 30	60 40	52 32	39 26	46 26	51 29	42 35	47 36	45 34	60 34	61 40	56 40	64 36	71 43	61 44	58 45	50 32	61 31	61 31	55 38	46 33	43 33	55.3 34.8
FROSTBURG 2		MAX MIN	52 28	55 35	62 37	58 29	36 26	36 30	43 35	50 31	59 31	62 34	50 33	39 26	28 22	38 20	43 25	38 29	38 30	34 30	53 40	56 40	54 40	62 39	55 42	52 25	39 25	53 35	53 35	47 34	35 27	47.9 31.6	
HAGERSTOWN		MAX MIN	61 38	65 42	67 50	62 36	44 35	49 30	54 35	64 33	65 35	59 44	52 39	47 36	43 26	49 31	45 30	53 30	59 34	62 38	64 32	71 45	64 37	60 44	53 31	61 38	59 38	53 41	47 38	46 32	55.6 37.5		
HANCOCK FRUIT LAB		MAX MIN	62 32	66 37	67 48	61 36	45 35	48 30	56 29	63 26	64 26	59 35	56 40	48 29	48 24	49 25	49 25	47 36	45 39	58 33	61 41	59 30	64 40	70 29	70 37	58 50	53 32	60 33	60 28	56 42	57 36	45 30	56.8 33.8
ALLEGHENY PLATEAU																																	
08	MC HENRY 2 NW	MAX MIN	58 39	66 43	65 45	52 27	30 27	33 28	40 32	45 34	61 40	68 47	51 32	35 22	24 20	34 20	38 25	40 31	35 27	30 25	47 25	55 41	58 35	51 35	59 42	61 48	55 20	33 20	50 33	52 37	49 30	31 25	46.9 31.7
SAVAGE RIVER DAM		MAX MIN	52 27	58 35	66 36	59 32	37 33	40 33	46 34	52 27	59 28	64 34	52 27	43 28	31 30	39 24	42 26	40 31	38 33	54 30	57 30	56 36	57 39	63 39	57 39	53 28	42 28	53 29	55 29	51 32	38 31	49.8 31.1	
DELAWARE																																	
NORTHERN																																	
01	MIDDLETOWN 1 WSW	MAX MIN	58 27	60 31	69 42	67 35	46 28	50 31	57 33	65 33	69 31	63 41	63 45	53 34	46 27	50 28	50 38	55 42	49 40	51 32	61 36	69 36	62 48	67 39	63 47	62 47	60 32	62 33	62 34	56 38	64 45	50 32	58.6 35.9
NEWARK UNIVERSITY FARM		MAX OBS MIN OBS	60 30	65 36	73 43	74 36	47 27	52 31	58 34	65 35	69 32	58 39	61 40	52 34	48 29	50 28	62 38	56 43	55 38	52 31	62 37	69 36	62 48	67 40	59 39	58 48	58 34	61 33	62 35	62 41	50 32	59.6 36.0	
WILMINGTON WSO AP		R MAX MIN	58 31	64 37	70 46	46 32	47 26	51 29	59 37	62 36	64 35	61 41	61 37	44 32	48 27	48 26	53 40	55 42	47 39	51 32	61 41	66 38	62 48	67 42	58 41	59 50	58 32	58 34	60 33	60 43	60 35	49 33	56.9 36.5
WILMINGTON PORTER RESVR		MAX MIN	57 33	61 39	58 44	47 35	46 28	49 30	57 36	63 38	64 40	57 42	63 36	64 33	47 28	42 30	50 38	54 40	46 38	51 32	56 40	65 39	62 46	66 42	59 44	59 46	59 32	57 34	60 44	59 41	59 35	51 31	55.4 37.1
SOUTHERN																																	
02	BRIDGEVILLE 1 NW	MAX MIN	62 29	69 38	69 43	64 34	51 26	50 30	57 30	66 32	68 36	65 44	65 46	53 35	46 28	51 33	50 30	56 40	49 38	52 27	63 36	70 38	65 46	68 38	62 47	65 47	62 31	61 34	63 30	58 43	67 44	50 23	59.9 35.6
DOVER		MAX MIN	58 33	66 40	68 46	68 38	48 29	50 33	57 35	64 36	65 37	61 46	64 49	55 36	47 31	52 34	51 41	56 43	52 39	51 31	60 41	70 40	69 49	69 45	68 41	63 53	63 33	61 36	63 47	59 45	65 32	53 23	59.9 39.2
GEORGETOWN 5 SW		MAX MIN	60 30	61 39	69 40	69 39	47 26	48 32	49 32	58 35	67 36	69 38	65 55	62 38	47 32	46 34	49 31	58 37	54 42	52 28	60 35	64 41	70 49	68 41	62 40	67 35	63 33	60 33	60 48	63 48	55 26	58.7 37.3	
LEWES		MAX MIN	61 32	66 51	69 52	64 41	56 30	51 35	59 38	66 38	66 38	63 51	60 52	51 38	46 36	52 39	50 40	56 46	52 44	54 34	65 41	71 43	68 51	69 46	66 42	65 53	63 35	62 37	62 41	57 49	64 51	52 29	60.2 41.8
MILFORD 2 WSW		MAX MIN	60 35	68 40	69 45	65 36	48 26	50 34	59 34	67 35	68 39	64 45	65 44	54 37	46 32	52 35	50 41	57 44	50 41	52 29	65 41	71 40	65 50	70 41	62 40	65 51	63 34	62 36	62 35	58 46	67 50	52 27	60.2 38.8

SEE REFERENCE NOTES FOLLOWING STATION INDEX

EVAPORATION AND WIND

MARYLAND AND
DELAWARE
NOVEMBER 1983

STATION		DAY OF MONTH																															NOVEMBER 1983	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																																			
UPPER MARLBORO 3 NNW																																			
WIND		21	21	11	231	151	21	91	11	21	81	241	571	441	41	41	31	201	411	71	11	441	161	91	81	291	371	91	31	131	-			4538	
EVAP		61	51	31	91	71	11	81	01	51	21	11	131	91	61	61	-	11	61	81	81	21	91	111	91	21	01	01	151	41	-	1	81	1.758	
MAX		571	601	581	671	501	421	471	511	601	621	541	561	471	491	521	411	491	461	501	541	561	601	601	541	551	451	531	531	521	481		52.9		
MIN		381	421	431	441	381	381	381	381	411	411	481	371	361	361	371	371	381	351	351	401	401	421	421	451	401	371	371	431	481	331		39.6		

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
NOVEMBER 1983

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																															
SNOW HILL 4 N																																
CENTRAL EASTERN SHORE	02																															
ROYAL OAK 2 SSW																																
LOWER SOUTHERN LA PLATA .1 W	03																															
UPPER SOUTHERN BALTIMORE WSO AP	04																															
BELTSVILLE																																
COLLEGE PARK																																
GLENN DALE BELL STN																																
NATIONAL ARBORETUM D C																																
NORTHERN EASTERN SHORE	05																															
CHESTERTOWN																																
NORTHERN CENTRAL ABERDEEN PHILLIPS FLD	06																															
CATOCTIN MOUNTAIN PARK																																
DAMASCUS 2 SW																																
EMMITSBURG 2 SE																																
FREDRICK POLICE BRKS																																
PARKTON 2 SW	//																															
UNIONVILLE																																
WOODSTOCK																																

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

SNOWFALL AND SNOW ON GROUND (INCHES)

MARYLAND AND
DELAWARE
NOVEMBER 1983

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
APPALACHIAN MOUNTAIN	07																															
FROSTBURG 2						.6	1.5	T				1.5	2.0	.5		.1	3.0	1.5	.5							2.5	T				T	
						1	T					1	1	1	T	T	2	2	2	T	T					2	2	1	T			
HANCOCK FRUIT LAB																										T						
ALLEGHENY PLATEAU	08																															
MC HENRY 2 NW					T	3.0	3.0					T	4.0	1.0												3.0						
					T	2	3	1	T			T	3	3	2	1	T		5.0	1.0						3	3	2	T			
SAVAGE RIVER DAM																																
DELAWARE																																
NORTHERN	01																															
WILMINGTON WSO AP																																
SOUTHERN	02																															
MILFORD 2 WSW																																

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
NOVEMBER 1983

											NOVEMBER 1983	
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	0015	06	HARFORD	39 28	76 10W	57	16	16		C H	ROSS AVIATION INC	
ANNAPOLIS POLICE BRKS	0193	04	ANNE ARUNDEL	38 59	76 30W	25	17	17		H H	ANNAPOLIS POLICE BRKS	
ASSATEAGUE STATE PARK	0335	01	WORCESTER	38 14	75 8W	7	17	17		H H	ASSATEAGUE STATE PARK	
BALTIMORE WSO AP	0465	04	ANNE ARUNDEL	39 11	76 40W	196	MID	MID		C H J	NATL WEATHER SERVICE	
BALTIMORE WSO CI	0470	06	BALTO CITY	39 17	76 37W	91	MID	MID		C C	OCMI COMMANDING OFFICER	
BELTSVILLE	0700	04	PRN GEORGES	39 2	76 53W	120	8	8		B C H	U S DEPT OF AGRICULTURE	
BENSON POLICE BARRACKS	0732	06	HARFORD	39 30	76 23W	365	17	17			MARYLAND STATE POLICE	
BOYDS 2 NW	1032	06	MONTGOMERY	39 13	77 20W	580	18	18			HUNTER F STALEY	
BRIGHTON DAM	1125	06	MONTGOMERY	39 12	77 1W	330		MID			WASH SUB SANY COMM	
CAMBRIDGE WTR TRMT PL	1385	02	DORCHESTER	38 34	76 4W	5	16	16		H H	WASTEWATER TRTMT PLANT	
CATOCTIN MOUNTAIN PARK	1530	06	FREDERICK	39 39	77 29W	1610	17	17		C H	CATOCTIN MOUNTAIN PARK	
CENTREVILLE	1627	05	QUEEN ANNES	39 3	76 4W	60	17	17		H H	MICHAEL B CATE	
CHESTERTOWN	1750	05	KENT	39 13	76 4W	40	23	23		H H	THOMAS W ELIASON JR	
CLARKSVILLE 3 NNE	1862	06	HOWARD	39 15	76 56W	365	17	17			UNIVERSITY OF MARYLAND	
COLLEGE PARK	1995	04	PRN GEORGES	38 59	76 57W	90	9	9		C H	UNIVERSITY OF MARYLAND	
CONOWINGO DAM	2060	06	HARFORD	39 39	76 10W	40	MID	MID		H H	SUSQUEHANNA ELECTRIC CO	
CRISFIELD SOMERS COVE	2215	01	SOMERSET	37 59	75 52W	8	17	17			INACTIVE 03/31/83	
CUMBERLAND 2	2282	07	ALLEGANY	39 38	78 45W	730	18	7		H	TIMOTHY B THOMAS	
DALECARLIA RESVR D C	2325	04		38 56	77 7W	146	17	17			U S CORPS OF ENGINEERS	
DAMASCUS 2 SW	2335	06	MONTGOMERY	39 16	77 14W	720	19	19		H	RICHARD W SCHWERDT	
DENTON 2 E	2523	02	CAROLINE	38 53	75 48W	50	17	17		H	ARTHUR REINHOLD	
EDGEMONT	2770	07	WASHINGTON	39 40	77 33W	905		7			JOHN W HARNE	
EMMITSBURG 2 SE	2906	06	FREDERICK	39 41	77 18W	416	17	17		H	MRS LUCILLE K BEALE	
FREDRICK POLICE BRKS	3348	06	FREDERICK	39 25	77 26W	380	17	17		H	MARYLAND STATE POLICE	
FREDERICK 3 E	3355	06	FREDERICK	39 24	77 22W	385		7			MISS I MARY STALEY	
FROSTBURG 2	3415	07	ALLEGANY	39 40	78 56W	2170	7	7		H	LEE K CLOSE	
GLENN DALE BELL STN	3675	04	PRN GEORGES	38 58	76 48W	150	16	16		H	USDA PLT INTRODUCT STN	
HAGERSTOWN	3975	07	WASHINGTON	39 39	77 44W	660	18	18			HAGERSTOWN RESERVOIR	
HANCOCK FRUIT LAB	4030	07	WASHINGTON	39 42	78 11W	428	16	16		C H	SHARPSBURG RESEARCH C	
LA PLATA 1 W	5080	03	CHARLES	38 32	77 0W	140	18	18		H	C RUSSELL LEVERING	
LAUREL 3 W	5111	04	PRN GEORGES	39 6	76 54W	400	MID	MID			WASH SUB SANY COMM	
MC HENRY 2 NW	5832	08	GARRETT	39 35	79 22W	2680	8	8		C H	JOSEPH F JOHENNING	
MECHANICSVILLE 1 SE	5865	03	ST MARYS	38 26	76 43W	160	17	17			MRS EDITH R BENNETT	
MERRILL	5894	08	GARRETT	39 36	79 5W	1790		9			DELWOOD E MERRILL	
MILLINGTON 2 WNW	5985	05	KENT	39 16	75 52W	30	17	17		H	MRS GERALDINE CONNOLLEY	
NATIONAL ARBORETUM D C	6350	04		38 54	76 59W	50	8	8		H	U S NATL ARBORETUM	
OAKLAND 1 SE	6620	08	GARRETT	39 24	79 24W	2420	17	17		H	INACTIVE 09/21/83	
OWINGS FERRY LANDING	6770	03	CALVERT	38 41	76 40W	160	17	17		H	JAMES E BOURNE JR	
PARKTON 2 SW	6844	06	BALTIMORE	39 38	76 42W	600	23	23		C H	JOHN R FOX	
PATUXENT RIVER	6915	03	ST MARY'S	38 20	76 25W	38	MID	MID			NAVAL WEATHER SERVICE	
POTOMAC FILTER PLANT	7272	06	MONTGOMERY	39 2	77 15W	270		MID			POTOMAC WATER FILT PLT	
PRINCESS ANNE	7330	01	SOMERSET	38 13	75 41W	20	17	17		H	UNIVERSITY MARYLAND EAST	
ROCKVILLE 3 NE	7705	06	MONTGOMERY	39 7	77 6W	400	16	16		H	INACTIVE 03/31/83	
ROYAL OAK 2 SSW	7806	02	TALBOT	38 43	76 11W	10	18	18		H	JOHN L SWAINE JR	
SALISBURY	8000	01	WICOMICO	38 22	75 35W	10	17	17			CITY OF SALISBURY	
SALISBURY FAA AP	8005	01	WICOMICO	38 20	75 31W	48	MID	MID		H	FAA	
SAVAGE RIVER DAM	8065	08	GARRETT	39 31	79 8W	1495	8	8		B C H	U S CORPS OF ENGINEERS	
SNOW HILL 4 N	8380	01	WORCESTER	38 14	75 23W	28	18	18		H	CURTIS E SHOCKLEY	
SOLOMONS	8405	03	CALVERT	38 19	76 27W	12	8	8			CHESAPEAKE BIOL LAB	
TOWSON	8877	06	BALTIMORE	39 23	76 34W	390	18	18			BENDIX FRIEZ	
UNIONVILLE	9030	06	FREDERICK	39 27	77 11W	430	18	18		C H	GEORGE P VON EIFF JR	
UPPER MARLBORO 3 NNW	9070	04	PRN GEORGES	38 52	76 47W	98	8	8		B	TOBACCO EXP FARM	
VIENNA	9140	02	DORCHESTER	38 29	75 50W	12	18	18		H	DELMARVA POWER & LIGHT	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
NOVEMBER 1983

NOVEMBER 1983

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER	
							LOCAL STD TIME					
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)		
WESTMINSTER POLICE BRK WOODSTOCK	944006 975006		CARROLL BALTIMORE	39 33 39 20	76 58W 76 52W	765 460	17 18	17 18		H	MARYLAND STATE POLICE JOHN A HILTZ	
DELAWARE												
BRIDGEVILLE 1 NW	133002		SUSSEX	38 45	75 37W	50	17	17			H	WILLIAM M RAY
DOVER	273002		KENT	39 9	75 31W	30	17	17			H	STATE DIV OF HIGHWAYS
GEORGETOWN 5 SW	357002		SUSSEX	38 38	75 27W	45	8	8	8C		H	UNIV OF DEL SUBSTATION
LEWES	532002		SUSSEX	38 46	75 8W	15	17	17			H	BOARD OF PUBLIC WORKS
MIDDLETOWN 1 WSW	585201		NEW CASTLE	39 26	75 45W	60	16	16			H	PIONEER HIBRED CORN CO
MILFORD 2 WSW	591502		SUSSEX	38 54	75 28W	30	17	17			H	MRS BERNARD FRANKEL
NEWARK UNIVERSITY FARM	641001		NEW CASTLE	39 40	75 44W	90	17	17	17C		H	UNIV OF DELAWARE
WILMINGTON WSO AP	R 959501		NEW CASTLE	39 40	75 36W	79	MID	MID		C	HJ	NATL WEATHER SERVICE
WILMGTN PORTER RESVR	960501		NEW CASTLE	39 46	75 32W	274	MID	MID			H	WATER DEPARTMENT

SEE REFERENCE NOTES FOLLOWING STATION INDEX

REFERENCE NOTES

MARYLAND AND
DELAWARE
NOVEMBER 1983

DEFINITIONS

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.

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.

PRECIPITATION: Values shown in inches to hundredths 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 inches to tenths 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.

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.

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.

DIVISIONS: Areas within a state of similar climatological characteristics.

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.

LETTERS AND SYMBOLS USED IN THE STATION INDEX TABLE

R Amounts from recording gage.
// 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 gage unless indicated by an R.
G Observations appear in "Soil Temperatures" table.
J Station also published as a Local Climatological Data publication.
H Observations appear in "Snowfall and Snow on Ground" table.
MID Observation time is midnight.
SR Observation time near sunrise.
SS Observation time near sunset.
VAR Observation time varies.
MO Gage read once monthly, usually the last day.
OC Gage readings vary from a few weeks to several months.
WI Gage read weekly or irregularly.
WM Gage read weekly and last day of month.
Thermometers located in a rooftop shelter.

LETTERS AND SYMBOLS USED IN THE DATA TABLES

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.

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

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

// 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 gage.

T Trace. An amount too small to measure.

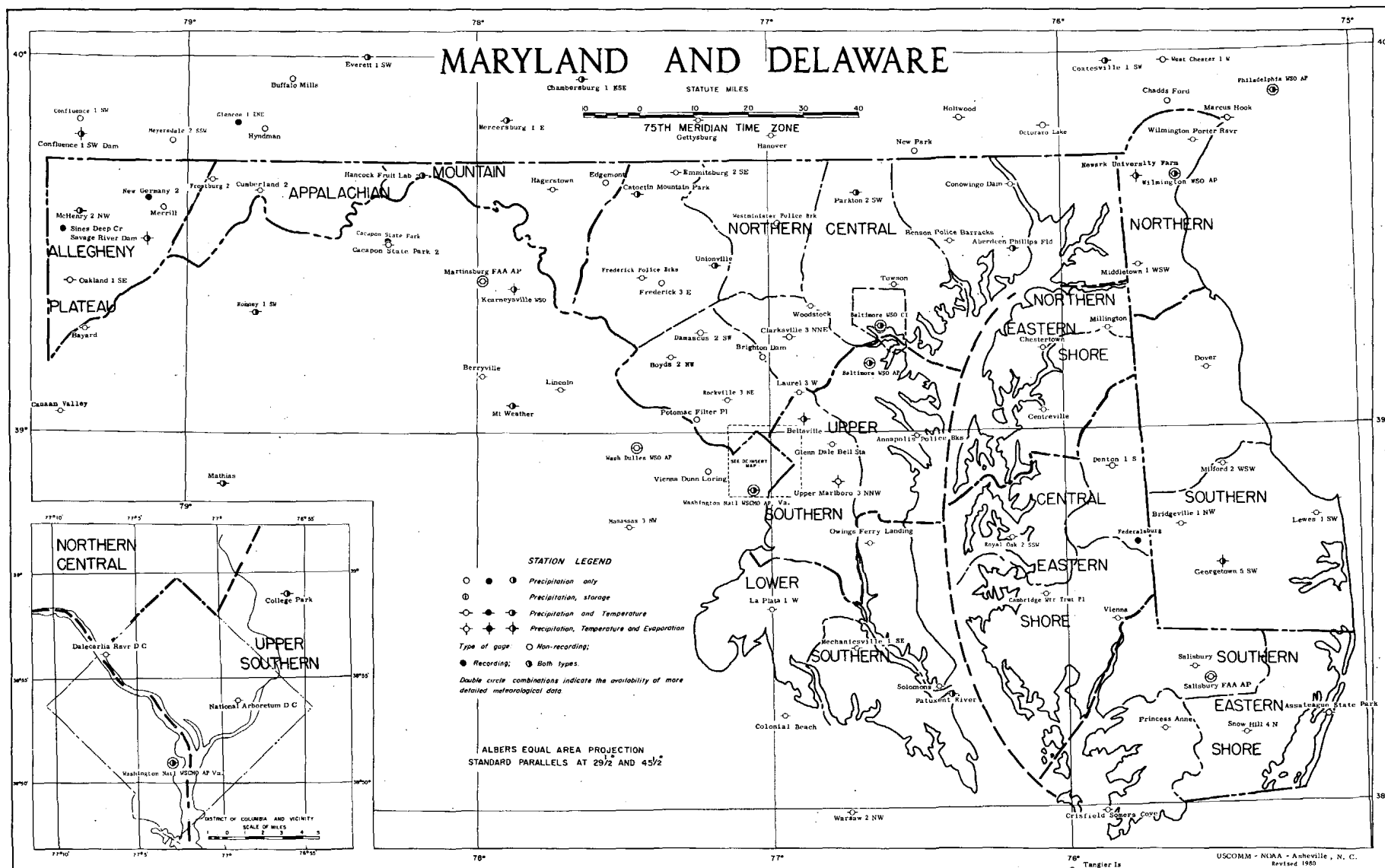
Additional Information regarding the climate of this state may be obtained by writing to the National Climatic Data Center, Federal Building, Asheville, N.C. 28801, or to any Weather Service Office near you. Additional precipitation data are contained in the "Hourly Precipitation Data" bulletin for each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

Seasonal Tables: Monthly and seasonal snowfall and heating degree days for the 12 months ending with the June data will be carried in the July issue of this bulletin. Cooling degree days for the calendar year will be 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 information for regular National Weather Service Offices may be obtained from the "Local Climatological Data" annual publication.

SUBSCRIPTION, PRICE AND ORDERING INFORMATION AVAILABLE FROM:
THE NATIONAL CLIMATIC DATA CENTER, FEDERAL BUILDING,
ASHEVILLE, N.C. 28801 (ATTN: PUBLICATIONS)

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COMPARATIVE CLIMATIC DATA

STORM DATA

MONTHLY CLIMATIC DATA FOR THE WORLD

LOCAL CLIMATOLOGICAL DATA

CLIMATOLOGICAL DATA

HOURLY PRECIPITATION DATA

The December issue includes annual summaries of tornadoes and lightning and North Atlantic tropical cyclones.

history of the station.

Local Climatological Data
Annual Summary With Comparative Data
1980
CHICAGO, ILLINOIS
O'HARE INTERNATIONAL AIRPORT

Comparative Climatic Data
For the United States
1980

CLIMATOLOGICAL DATA
ANNUAL SUMMARY
JUNE 1981
VOLUME 54
NUMBER 13

CLIMATOLOGICAL DATA
ANNUAL SUMMARY
JUNE 1981
VOLUME 85
NUMBER 6
CALIFORNIA
TEMPERATURE AND PRECIPITATION EXTREMES

STORM DATA
JUNE 1981
VOLUME 23
NUMBER 4

MONTHLY CLIMATIC DATA FOR THE WORLD
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FEBRUARY 1981
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JUNE 1981
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