

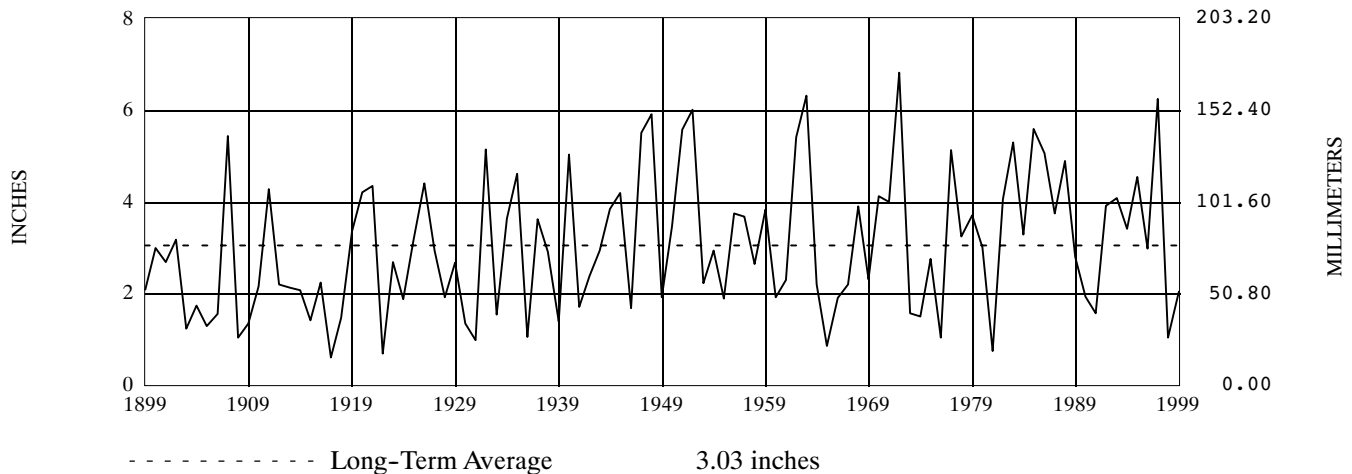
CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

NOVEMBER 1999

VOLUME 103 NUMBER 11

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MARYLAND AND DELAWARE PRECIPITATION NOVEMBER, 1899-1999

TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND

HIGHEST TEMPERATURE	78	NOVEMBER 26+	3 STATIONS
LOWEST TEMPERATURE	15	NOVEMBER 18	OAKLAND 1 SE
GREATEST TOTAL PRECIPITATION	3.94		OAKLAND 1 SE
LEAST TOTAL PRECIPITATION	.57		CUMBERLAND POLICE BRK
GREATEST 1 DAY PRECIPITATION	1.97	NOVEMBER 26	GLENN DALE BELL STN
GREATEST TOTAL SNOWFALL	8.3		OAKLAND 1 SE
GREATEST DEPTH OF SNOW OR ICE	1	NOVEMBER 30	FROSTBURG 2

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TEMPERATURE AND PRECIPITATION EXTREMES

DELAWARE

HIGHEST TEMPERATURE	77	NOVEMBER 10+	2 STATIONS
LOWEST TEMPERATURE	24	NOVEMBER 18	2 STATIONS
GREATEST TOTAL PRECIPITATION	2.74		DOVER
LEAST TOTAL PRECIPITATION	1.77		GREENWOOD 2 NE
GREATEST 1 DAY PRECIPITATION	1.10	NOVEMBER 2	LEWES

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MONTHLY STATION AND DIVISION SUMMARY

STATION	TEMPERATURE (°F)													
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS			
											MAX		MIN	
											90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW
MARYLAND														
SOUTHERN EASTERN SHORE 01														
ASSATEAGUE ISLAND	62.4	45.4	53.9		75	10	28	18+	324	0	0	0	3	0
PRINCESS ANNE	M	M	M		74	10	24	19			0	0	5	0
SALISBURY	64.5	44.7	54.6	4.5	78	26	27	18	309	3	0	0	2	0
SALISBURY FAA ARPT	62.9	40.7	51.8	3.2	76	21	22	18	389	1	0	0	8	0
SNOW HILL 4 N	65.1	41.1	53.1	4.0	76	10	21	18	348	0	0	0	8	0
--DIVISIONAL DATA----->			53.4	3.8										
CENTRAL EASTERN SHORE 02														
ROYAL OAK 2 SSW	63.8	44.8	54.3	4.9	77	10	27	18	315	1	0	0	2	0
VIENNA	64.9	43.9M	54.4M	5.0	76	1	27	20	303	0	0	0	3	0
--DIVISIONAL DATA----->			54.4	5.2										
LOWER SOUTHERN 03														
MECHANICSVILLE 5 NE	62.9	41.7	52.3	4.7	76	10	23	18	372	0	0	0	8	0
--DIVISIONAL DATA----->			52.3	3.7										
UPPER SOUTHERN 04														
ANNAPOLIS POLICE BRKS	63.1	45.1	54.1	6.0	76	10	26	29	325	2	0	0	4	0
BALTIMORE WSO ARPT R	60.1	39.7	49.9	3.1	75	10	24	18	445	0	0	0	8	0
BELTSVILLE	62.3	40.6	51.5	5.6	76	1	25	18	399	0	0	0	7	0
DALECARLIA RESERVOIR	65.2	42.5	53.9	6.5	78	10	25	18	332	6	0	0	3	0
GLENN DALE BELL STN	63.2	36.7	50.0	3.0	76	11	21	18	445	0	0	0	12	0
LAUREL 3 W	62.0	43.2	52.6	5.3	75	10	27	30	361	0	0	0	5	0
MD SCI CTR BALTIMORE R	60.2	45.6	52.9		75	10	31	30	357	0	0	0	1	0
NATIONAL ARBORETUM DC	64.0	40.0	52.0	4.8	77	22+	24	19+	384	0	0	0	9	0
UPPER MARLBORO 3 NNW	63.0	40.1	51.6	5.2	77	1	24	19+	394	0	0	0	9	0
--DIVISIONAL DATA----->			52.1	4.9										
NORTHERN EASTERN SHORE 05														
CHESTERTOWN	61.8	40.5	51.2	3.8	77	10	25	18	407	0	0	0	7	0
MILLINGTON 1 SE	62.7	40.4M	51.6M	5.0	76	10	24	18	395	0	0	0	7	0
--DIVISIONAL DATA----->			51.4	3.9										
NORTHERN CENTRAL 06														
ABERDEEN PHILLIPS FIEL	59.5M	41.3M	50.4M	2.9	74	10	24	18	428	0	0	0	4	0
CATOCTIN MOUNTAIN PARK	58.4	40.6	49.5		73	9	23	30	457	0	0	0	6	0
CLARKSVILLE 3 NNE	61.7	37.3	49.5		73	10+	20	18	457	0	0	0	10	0
CONOWINGO DAM	62.0M	42.2M	52.1M	7.6	70	26	30	4	383	0	0	0	6	0
DAMASCUS 3 SSW	58.4	41.1	49.8		72	10	26	30+	448	0	0	0	6	0
EMMITSBURG 2 SE	60.7	37.6	49.2	4.9	76	1	19	18	467	0	0	0	10	0
FREDERICK POLICE BRKS	62.7	41.4	52.1		73	10+	26	18	379	0	0	0	3	0
MILLERS 4 NE	59.2	39.9	49.6		71	9+	23	18+	458	0	0	0	7	0
ROCKVILLE 1 NE	60.6	41.3	51.0	6.1	74	10	25	18	414	0	0	0	5	0
WOODSTOCK M	M	M	M											
--DIVISIONAL DATA----->			50.4	4.6										
APPALACHIAN MOUNTAIN 07														
CUMBERLAND 2	60.4	36.2	48.3	3.7	77	9+	19	30	491	1	0	0	10	0
CUMBERLAND POLICE BRK	57.3	36.9	47.1		75	1	21	18	530	0	0	0	10	0
FROSTBURG 2	54.5	36.6	45.6		71	2+	21	30+	578	0	0	0	12	0
HAGERSTOWN POLICE BRK	61.0	40.3	50.7		77	2	24	19+	421	0	0	0	7	0
SHARPSBURG 5 S	62.1	35.7	48.9		78	1	21	30+	479	0	0	0	13	0
--DIVISIONAL DATA----->			48.1	4.1										
ALLEGHENY PLATEAU 08														
OAKLAND 1 SE	55.4	33.7	44.6	4.5	70	1	15	18	606	0	0	1	14	0
SAVAGE RIVER DAM	54.6	36.3	45.5	4.7	71	2	20	18	579	0	0	0	11	0
--DIVISIONAL DATA----->			45.1	5.1										
DELAWARE														
NORTHERN 01														
NEWARK UNIVERSITY FARM	61.5	39.2	50.4	3.7	74	10	24	18	431	0	0	0	7	0
WILMINGTON WSO ARPT R	58.3	40.4	49.4	3.1	74	10	25	18	462	0	0	0	7	0
WILMINGTON PORTER RSVR	57.2	41.8	49.5	3.8	72	10	27	30	458	0	0	0	3	0
--DIVISIONAL DATA----->			49.8	3.5										
SOUTHERN 02														
DOVER	62.5	42.8	52.7	3.7	74	10	29	30+	365	0	0	0	5	0
GREENWOOD 2 NE	62.7	41.2	52.0		77	1	24	18	386	0	0	0	6	0
LEWES	63.2	45.7	54.5	5.0	77	10	29	18	310	2	0	0	2	0
MILFORD 2 SE														

MONTHLY STATION AND DIVISION SUMMARY

STATION	PRECIPITATION (IN)									
	TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	SLEET, SNOW			NO. OF DAYS		
					TOTAL	MAX. DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
MARYLAND										
SOUTHERN EASTERN SHORE 01										
ASSATEAGUE ISLAND	.91		.48	2	.0	0		2	0	0
PRINCESS ANNE	1.28	-1.86			.0	0		1	1	0
SALISBURY	2.26	-.81	1.15	2	.0	0		3	2	1
SALISBURY FAA ARPT	2.38	-.77	1.11	2	.0	0		4	2	1
SNOW HILL 4 N	1.66	-1.56	.62	27	.0	0		5	1	0
--DIVISIONAL DATA----->	1.70	-1.42			.0					
CENTRAL EASTERN SHORE 02										
ROYAL OAK 2 SSW	2.37	-1.05	1.61	27	.0	0		3	1	1
VIENNA	1.49	-1.67	.77	27	.0	0		3	1	0
--DIVISIONAL DATA----->	1.93	-1.39			.0					
LOWER SOUTHERN 03										
MECHANICSVILLE 5 NE	1.45	-2.06	.82	26	.0	0		3	2	0
--DIVISIONAL DATA----->	1.45	-1.94			.0					
UPPER SOUTHERN 04										
ANNAPOLIS POLICE BRKS	3.58	.13	1.60	26	.0	0		5	3	2
BALTIMORE WSO ARPT R	1.95	-1.37	1.18	26	.0	0		3	2	1
BELTSVILLE	1.92	-1.32	1.53	27	.0	0		2	1	1
DALECARLIA RESERVOIR	1.84	-1.65	.69	26	.0	0		3	2	0
GLENN DALE BELL STN M	2.59		1.97	26	.0	0		2	1	1
LAUREL 3 W	2.02	-1.81	1.23	26	.0	0		3	1	1
MD SCI CTR BALTIMORE R	1.92		1.00	26	M	M		3	2	1
NATIONAL ARBORETUM DC	2.05	-1.35	1.60	27	.0	0		3	1	1
UPPER MARLBORO 3 NNW	2.14	-1.20	1.47	27	.0	0		2	2	1
--DIVISIONAL DATA----->	2.18	-1.22			.0					
NORTHERN EASTERN SHORE 05										
CHESTERTOWN	2.15	-1.24	1.01	26	.0	0		5	1	1
MILLINGTON 1 SE	2.44	-.87	1.47	27	.0	0		4	2	1
--DIVISIONAL DATA----->	2.30	-1.09			.0					
NORTHERN CENTRAL 06										
ABERDEEN PHILLIPS FIEL M	2.96				M	0		3	1	0
CATOCTIN MOUNTAIN PARK	2.42		1.58	2	T	T		3	2	1
CLARKSVILLE 3 NNE	2.14		1.57	26	.0	0		3	1	1
CONOWINGO DAM	2.33	-1.41	1.42	27	M	0		3	2	1
DAMASCUS 3 SSW	1.91		.84	26	T	T		3	2	0
EMMITSBURG 2 SE	1.71	-1.98	.48	27+	T	T		7	0	0
FREDERICK POLICE BRKS	1.80		.58	27	.0	0		4	1	0
MILLERS 4 NE	1.85		.87	26	T	T		3	1	0
ROCKVILLE 1 NE	1.93	-1.37	1.30	26	T	T		2	2	1
WOODSTOCK					M	M				
--DIVISIONAL DATA----->	2.01	-1.57			.0					
APPALACHIAN MOUNTAIN 07										
CUMBERLAND 2	2.05	-.71	.78	27	T	T		4	2	0
CUMBERLAND POLICE BRK	.57		.45	26	T	T		2	0	0
FROSTBURG 2	2.82		1.10	26	1.6	1	30+	6	2	1
HAGERSTOWN POLICE BRK M	.43		.27	26	.0	0		2	0	0
SHARPSBURG 5 S	1.45		.79	3	T	T		3	1	0
--DIVISIONAL DATA----->	1.72	-1.39			.3					
ALLEGHENY PLATEAU 08										
OAKLAND 1 SE	3.94	.30	1.17	26	8.3	0		7	2	2
SAVAGE RIVER DAM	2.67	-.18	1.04	3	1.0	0		5	3	1
--DIVISIONAL DATA----->	3.31	-.25			4.7					
DELAWARE										
NORTHERN 01										
NEWARK UNIVERSITY FARM	2.03	-1.25	.82	27	.0	0		6	1	0
WILMINGTON WSO ARPT R	2.09	-1.18	.69	26	M	M		4	2	0
WILMINGTON PORTER RSVR	2.47	-1.33	.85	2	.0	0		4	3	0
--DIVISIONAL DATA----->	2.20	-1.21			.0					
SOUTHERN 02										
DOVER	2.74	-.41	1.03	3	.0	0		4	2	1
GREENWOOD 2 NE	1.77		.73	27	.0	0		3	2	0
LEWES	2.02	-1.26	1.10	2	.0	0		4	1	1
MILFORD 2 SE										

MONTHLY STATION AND DIVISION SUMMARY

STATION	TEMPERATURE (°F)																	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS							
											MAX		MIN					
											90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW				
--DIVISIONAL DATA----->			53.1	4.6														

MONTHLY STATION AND DIVISION SUMMARY

STATION	PRECIPITATION (IN)									
	TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	SLEET, SNOW			NO. OF DAYS		
					TOTAL	MAX. DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
--DIVISIONAL DATA----->	2.18	-1.03			.0					

DAILY PRECIPITATION (INCHES)

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	.91		.48													
PRINCESS ANNE	1.28		.53													
SALISBURY	2.26		1.15	.02												
SALISBURY FAA ARPT	2.38		1.11									T				
SNOW HILL 4 N	1.66		.16	.27								T				
CENTRAL EASTERN SHORE 02																
ROYAL OAK 2 SSW	2.37		.46													
VIENNA	1.49	.02	.42													
LOWER SOUTHERN 03																
MECHANICSVILLE 5 NE	1.45		.51	T								T	T			
UPPER SOUTHERN 04																
ANNAPOLIS POLICE BRKS	3.58		.50	.10								.01				
BALTIMORE WSO ARPT R	1.95		.57									T				
BELTSVILLE	1.92			.33										.04		
DALECARLIA RESERVOIR	1.84		.44													
GLENN DALE BELL STN M	2.59			.42								.05				
LAUREL 3 W	2.02		.33									.02				
MD SCI CTR BALTIMORE R	1.92		.64									.01				
NATIONAL ARBORETUM DC	2.05			.31									T			
UPPER MARLBORO 3 NNW	2.14			.54									.04			
NORTHERN EASTERN SHORE 05																
CHESTERTOWN	2.15		.49									T				
MILLINGTON 1 SE	2.44		.56	.04								.09				
NORTHERN CENTRAL 06																
ABERDEEN PHILLIPS FIEL M	2.96		.17	.52					-			*	.06			
CATOCTIN MOUNTAIN PARK	2.42		1.58	.01	.01											
CLARKSVILLE 3 NNE	2.14		.33									.01				
CONOWINGO DAM	2.33		.57													
DAMASCUS 3 SSW	1.91		.83									.05				
EMMITSBURG 2 SE	1.71		.30	.15												
FREDERICK POLICE BRKS	1.80		.45	.41												
MILLERS 4 NE	1.85		.40	T												
POTOMAC FILTER PLANT	1.77		.55													
ROCKVILLE 1 NE	1.93		.53									.04				
WOODSTOCK M		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
APPALACHIAN MOUNTAIN 07																
CUMBERLAND 2	2.05		.02	.48												
CUMBERLAND POLICE BRK	.57		.02	.10												
FROSTBURG 2	2.82		.02	.89	.16									T	T	
HAGERSTOWN POLICE BRK M	.43		.10													
SHARPSBURG 5 S	1.45		T	.79	T									T		
ALLEGHENY PLATEAU 08																
OAKLAND 1 SE	3.94		1.12	.49	T							.07	T			
SAVAGE RIVER DAM	2.67		.04	1.04	.09											
DELAWARE																
NORTHERN 01																
NEWARK UNIVERSITY FARM	2.03		.37	.11												
WILMINGTON WSO ARPT R	2.09		.68													
WILMINGTON PORTER RSVR	2.47		.85													
SOUTHERN 02																
DOVER	2.74		.36	1.03								.02				
GREENWOOD 2 NE	1.77			.72								T	.02			.02
LEWES	2.02		1.10	.11								.03				

DAILY PRECIPITATION (INCHES)

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											.09	.34				
ASSATEAGUE ISLAND PRINCESS ANNE SALISBURY					*	*	*	*	*	*	.75					
SALISBURY FAA ARPT					T			.02	.01	.59	.05	.42	T			
SNOW HILL 4 N CENTRAL EASTERN SHORE 02								.01		.67	.17	.42				
ROYAL OAK 2 SSW VIENNA								.03		.23	.35	.62				
LOWER SOUTHERN MECHANICSVILLE 5 NE 03								.19	.02	.05	.04	1.61				
UPPER SOUTHERN ANnapolis POLICE BRKS 04								.07	.14	.07	.77					
BALTIMORE WSO ARPT R BELTSVILLE								T	T	T	.82	.12				
DALECARLIA RESERVOIR								.08	.05	.10	1.60	1.10	.04			
GLENN DALE BELL STN								T	.05	T	.05	1.18	.10			
LAUREL 3 W MD SCI CTR BALTIMORE R									.01	.01	.01	1.53				
NATIONAL ARBORETUM DC								.01	.02	.02	.69	.68				
UPPER MARLBORO 3 NNW								.02	.04	.09	1.97	-				
NORTHERN EASTERN SHORE 05									.07		1.23	.37				
CHESTERTOWN MILLINGTON 1 SE								.01	.08	.05	1.00	.13				
NORTHERN CENTRAL ABERDEEN PHILLIPS FIEL								.02	.10		.04	1.60				
CATOC TIN MOUNTAIN PARK								.02	.03		.04	1.47				
CLARKSVILLE 3 NNE																
CONOWINGO DAM																
DAMASCUS 3 SSW																
EMMITSBURG 2 SE																
FREDERICK POLICE BRKS																
MILLERS 4 NE																
POTOMAC FILTER PLANT																
ROCKVILLE 1 NE																
WOODSTOCK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
APPALACHIAN MOUNTAIN 07								.21		.28	1.01	.16				
CUMBERLAND 2								.12		.11	.05	1.47				
CUMBERLAND POLICE BRK																
FROSTBURG 2																
HAGERSTOWN POLICE BRK																
SHARPSBURG 5 S																
ALLEGHENY PLATEAU 08																
OAKLAND 1 SE																
SAVAGE RIVER DAM																
DELAWARE																
NORTHERN NEWARK UNIVERSITY FARM																
WILMINGTON WSO ARPT R																
WILMINGTON PORTER RSVR																
SOUTHERN DOVER 02																
GREENWOOD 2 NE																
LEWES																

DAILY TEMPERATURES (°F)

STATION	OB. TIME	MAX/MIN	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	07	MAX	69	68	59	57	67	73	58	58	66	75	62	59	67	70	54	
		MIN	58	59	43	42	41	50	43	35	36	55	51	40	44	49	43	
PRINCESS ANNE	17	MAX	71							64	67	74	72	57			73	
		OBS																
		MIN	36							32	32	49	46	41			40	
SALISBURY	17	MAX	72	73	73	56	66	73	67	56	66	73	66	56	63	70	64	
		MIN	56	58	46	38	37	49	47	35	36	53	47	43	42	46	45	
SALISBURY FAA ARPT	MID	MAX	73	73	61	55	67	72	60	56	67	75	61	57	64	72	53	
		MIN	55	59	41	33	32	49	34	29	31	54	46	38	39	41	44	
SNOW HILL 4 N	17	MAX	71	72	69	56	67	74	69	56	67	76	66	58	65	71	65	
		MIN	53	55	44	33	31	46	44	28	31	50	51	42	36	38	43	
CENTRAL EASTERN SHORE																		
ROYAL OAK 2 SSW 02																		
ROYAL OAK 2 SSW	18	MAX	75	72	67	59	66	74	65	56	68	77	67	53	64	70	65	
		MIN	52	57	45	42	37	52	47	32	37	55	48	41	43	43	45	
VIENNA	18	MAX	76	73	67	59	64	75	65	59	65	73	65	57	65	71	64	
		OBS														***		
		MIN	44	56	44	36	40	47	45	34	40	51	46	41	42		44	
		OBS										62						
LOWER SOUTHERN																		
MECHANICSVILLE 5 NE 03																		
MECHANICSVILLE 5 NE	19	MAX	71	68	63	57	64	74	64	57	70	76	64	51	65	74	63	
		MIN	52	59	34	31	30	45	44	30	34	48	47	45	38	43	44	
UPPER SOUTHERN																		
ANNAPOLIS POLICE BRKS 04																		
ANNAPOLIS POLICE BRKS	17	MAX	72	70	68	66	62	70	66	58	64	76	68	57	67	71	69	
		OBS																
		MIN	53	64	38	30	34	48	46	38	38	50	50	50	52	43	45	
		OBS	64													61	53	
BALTIMORE WSO ARPT	MID	MAX	69	68	51	57	66	72	57	57	70	75	63	50	63	70	52	
		MIN	49	49	37	32	31	44	37	30	34	46	45	41	39	39	39	
BELTSVILLE	08	MAX	76	72	69	50	58	66	73	55	58	70	75	64	50	63	73	
		MIN	48	53	42	30	30	35	40	31	34	39	48	42	41	40	43	
DALECARLIA RESERVOIR	17	MAX	74	69	70	58	67	75	71	58	72	78	69	51	65	75	69	
		MIN	57	60	39	33	33	46	40	41	34	59	46	42	39	41	42	
		OBS					51	60										
GLENN DALE BELL STN	16	MAX	72	68	69	58	67	74	74	58	58	75	76	60	48	71	73	
		OBS			52				58		71		61		63		52	
		MIN	48	48	37	25	28	31	36	28	31	36	44	41	38	39	41	
LAUREL 3 W	MID	MAX	72	68	55	59	68	74	61	59	71	75	65	50	65	72	52	
		MIN	55	53	37	32	39	48	42	37	42	52	45	49	43	45	41	
MD SCI CTR BALTIMORE	MID	MAX	69	69	53	58	67	74	59	57	67	75	64	50	63	71	52	
		MIN	57	51	39	35	41	50	46	41	44	53	45	41	47	48	44	
NATIONAL ARBORETUM DC	07	MAX	77	75	60	52	59	68	75	58	61	70	77	64	50	65	74	
		MIN	50	51	42	31	30	33	45	30	31	35	44	42	40	42	43	
UPPER MARLBORO 3 NNW	08	MAX	77	72	68	53	59	67	74	56	59	72	76	62	51	65	72	
		MIN	48	49	43	30	29	30	46	32	31	35	51	43	43	41	45	
NORTHERN EASTERN SHORE																		
CHESTERTOWN 05																		
CHESTERTOWN	23	MAX	73	70	61	57	70	74	59	58	67	77	61	55	65	68	54	
		MIN	49	52	38	35	32	49	41	32	33	50	39	35	40	43	42	
MILLINGTON 1 SE	18	MAX	71	69	68	68	67	72	56	55	67	76	67	54	61	68	63	
		OBS																
		MIN	49	52	44	36	30	42	42	30	32	46	46	35	40	40	44	
NORTHERN CENTRAL																		
ABERDEEN PHILLIPS FIEL 06																		
ABERDEEN PHILLIPS FIEL	16	MAX	70	68	68	56	64	72		55	63	74		51			50	
		MIN	51	56	43	35	30	45		32	34	47		38			44	
CATOCTIN MOUNTAIN PARK	17	MAX	69	63	62	53	65	70	61	58	73	66	64	47	59	68	56	
		MIN	55	54	35	31	42	53	37	34	42	59	40	35	38	47	35	
CLARKSVILLE 3 NNE	17	MAX	71	67	67	58	69	73	57	60	73	73	64	49	64	71	51	
		OBS			50													
		MIN	46	49	35	31	26	39	35	28	30	40	44	40	37	36	41	
CONOWINGO DAM	MID	MAX	68	68	54	60	69	68	60	60	69	65	65	57	63	63	64	
		OBS					52		77		***		***	78	***	50		
		MIN	45	52	40	30	32	44	42	32		50		33		50	44	
		OBS					30					32						
DAMASCUS 3 SSW	22	MAX	70	65	53	56	64	71	59	54	70	72	60	46	60	69	47	
		MIN	51	53	35	31	36	48	35	30	38	52	45	39	38	45	40	
EMMITSBURG 2 SE	17	MAX	76	69	67	57	65	72	69	56	69	70	67	49	61	70	60	
		OBS																
		MIN	39	49	41	36	28	42	38	29	28	55	45	37	38	40	42	
FREDERICK POLICE BRKS	17	MAX	73	70	68	57	65	71	68	55	70	73	70	48	62	71	68	
		MIN	40	57	41	34	36	48	43	37	36	53	44	42	41	45	43	
MILLERS 4 NE	18	MAX	71	65	65	53	65	70	63	53	71	69	63	47	60	67	55	
		MIN	51	53	37	28	37	50	39	28	37	51	41	33	40	42	38	
ROCKVILLE 1 NE	MID	MAX	71	68	49	59	69	72	57	55	73	74	65	50	61	69	50	
		MIN	51	46	36	31	30	46	41	34	35	50	44	41	42	45	41	

DAILY TEMPERATURES (°F)

STATION	DAY OF MONTH																AVERAGE
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MARYLAND																	
SOUTHERN EASTERN SHORE 01																	
ASSATEAGUE ISLAND	49	50	57	63	68	68	67	65	67	69	70	62	58	54	42		62.4
	37	28	28	35	52	49	55	54	54	56	59	52	45	38	31		45.4
PRINCESS ANNE		51		66											42		M
		31		24										75			M
SALISBURY	53	47	56	65	72	75	71	67	72	68	78	67	55	51	43		64.5
	40	33	27	33	47	47	51	57	56	56	56	52	44	33	31		44.7
SALISBURY FAA ARPT	48	47	58	66	73	76	71	67	58	69	74	65	56	51	42		62.9
	34	27	22	28	50	42	48	56	54	53	53	38	33	29	30		40.7
SNOW HILL 4 N	50	48	58	66	74	75	72	71	74	68	72	69	56	51	46		65.1
	38	24	21	27	49	42	47	56	53	55	55	51	37	27	27		41.1
CENTRAL EASTERN SHORE 02																	
ROYAL OAK 2 SSW	49	48	57	63	71	75	71	63	61	66	71	67	56	51	46		63.8
	40	35	27	37	51	45	50	57	56	54	56	51	42	34	34		44.8
VIENNA	56	51	59	65	74	73	69	64	68	69	72	72	58	56	43		64.9
	36	***	***	***		27	45	49	56	55	55	54	50	44	31	30	43.9
LOWER SOUTHERN MECHANICSVILLE 5 NE 03																	
	50	48	56	64	72	75	69	61	64	65	72	62	55	50	44		62.9
	35	25	23	30	51	43	49	57	58	55	55	52	36	29	29		41.7
UPPER SOUTHERN ANNAPOLIS POLICE BRKS 04																	
	50	48	57	58	67	68	68	65	67	64	60	61	54	56	45		63.1
	60	61						78	82								
	42	40	31	36	53	54	48	60	62	51	54	48	40	26	30		45.1
								42	42			30					
BALTIMORE WSO ARPT	47	46	57	62	71	65	60	62	67	58	69	59	52	48	40		60.1
	34	28	24	28	37	43	53	58	56	52	53	40	34	31	29		39.7
BELTSVILLE	51	47	46	56	64	71	74	68	63	67	59	71	59	52	48		62.3
	38	33	25	28	33	44	47	54	58	58	53	49	41	32	30		40.6
DALECARLIA RESERVOIR	58	48	58	65	73	74	71	69	68	66	72	64	54	49	45		65.2
	37	30	25	33	58	42	46	45	55	54	52	44	37	34	30		42.5
				51													
GLENN DALE BELL STN	47	46	56	65	72	74	69	62	68	58	70	70	52	48	39		63.2
	35	24	21	23	30	41	42	52	55	52	53	37	32	28	25		36.7
LAUREL 3 W	48	48	57	66	70	74	67	63	65	62	69	62	53	50	40		62.0
	32	31	30	37	48	49	52	56	55	49	50	46	42	33	27		43.2
MD SCI CTR BALTIMORE	47	46	54	60	72	63	60	64	66	60	68	60	52	47	40		60.2
	38	35	34	41	49	51	54	58	58	52	52	51	44	37	31		45.6
NATIONAL ARBORETUM DC	54	50	49	58	66	72	77	71	66	68	64	72	61	56	50		64.0
	38	32	24	24	31	44	47	53	56	55	53	48	42	33	30		40.0
UPPER MARLBORO 3 NNW	52	47	48	58	65	71	74	69	62	68	61	70	59	54	49		63.0
	38	32	24	24	35	43	43	52	57	55	52	47	43	33	30		40.1
NORTHERN EASTERN SHORE 05																	
CHESTERTOWN	47	47	58	67	71	74	61	61	62	60	73	59	54	50	40		61.8
	34	28	25	32	48	41	48	54	54	51	50	42	39	31	27		40.5
MILLINGTON 1 SE	46	46	56	63	70	74	64	64	64	61	72	69	57	50	42		62.7
	37	32	24	33	33	43	49	49	57	54	53		***	29	30		40.4
NORTHERN CENTRAL ABERDEEN PHILLIPS FIEL 06																	
	49	45	54	62			58	63	63		70			49	46		59.5
	34	33	24	33			55	56	57		55			33	32		41.3
CATOCTIN MOUNTAIN PARK	42	41	53	59	59	70	70	60	62	58	60	60	48	42	34		58.4
	28	26	28	39	46	49	49	50	50	45	44	40	34	30	23		40.6
CLARKSVILLE 3 NNE	47	47	57	64	71	72	66	64	68	60	69	58	52	48	41		61.7
	34	25	20	26	35	43	42	56	55	51	51	38	31	27	28		37.3
CONOWINGO DAM	52	49		59		67	63		64	61	70	68	62	56	50		62.0

		32		37		43	45		58	56	54	48	40	32	32		42.2
				24													
DAMASCUS 3 SSW	46	44	52	61	67	69	67	59	65	56	64	55	49	45	37		58.4
	39	29	26	36	46	48	50	54	54	49	49	45	38	29	26		41.1
EMMITSBURG 2 SE	44	45	52	58	61	69	61	59	61	60	65	65	53	46	46		60.7
	60																
FREDERICK POLICE BRKS	34	28	19	28	31	31	42	53	54	49	46	44	34	24	24		37.6
	45	45	51	61	64	69	68	68	68	68	68	68	57	50	42		62.7
	37	32	26	34	40	42	49	49	49	48	47	47	39	33	30		41.4
MILLERS 4 NE	42	42	54	61	65	70	66	61	66	60	62	59	50	46	36		59.2
	31	23	23	33	45	47	50	55	56	48	48	43	37	28	26		39.9
ROCKVILLE 1 NE	46	43	58	64	70	73	68	63	68	60	68	57	52	47	39		60.6
	34	31	25	33	51	44	47	55	56	52	53	47	39	33	26		41.3

DAILY TEMPERATURES (°F)

STATION	OB. TIME	MAX/MIN	DAY OF MONTH														
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
WOODSTOCK	18	MAX MIN															
APPALACHIAN MOUNTAIN CUMBERLAND 2 07	17	MAX OBS MIN	77 46	69 38	54 35	59 28	69 29	69 41	60 31	62 32	77 35	71 61	68 43	49 36	68 37	69 38	54 37
CUMBERLAND POLICE BRK	17	MAX OBS MIN	75 64 34	73 38	54 64 38	56 38	55 27	64 46	65 36	65 29	71 29	71 59	68 59	62 42	66 34	62 35	44 38
FROSTBURG 2	07	MAX MIN	71 50	71 51	59 31	35 28	49 28	61 38	62 36	48 29	56 31	69 47	65 55	56 37	47 37	58 44	62 34
HAGERSTOWN POLICE BRK	17	MAX OBS MIN	74 77 49	77 67	67 48	48 59	59 66	66 73	59 55	66 73	73 55	68 74	74 70	50 65	65 72	50 50	62 42
SHARPSBURG 5 S	07	MAX MIN	78 44	75 47	68 38	51 28	60 28	68 30	74 32	56 28	58 29	75 33	73 46	61 43	50 36	65 37	73 43
ALLEGHENY PLATEAU OAKLAND 1 SE 08	17	MAX OBS MIN	70 37	65 36	37 27	50 27	60 23	55 51	53 35	58 23	68 32	64 56	60 42	55 39	59 44	61 40	52 34
SAVAGE RIVER DAM	08	MAX OBS MIN	69 43	71 48	60 34	38 30	51 29	61 32	59 39	48 29	59 32	68 39	66 55	58 40	49 39	59 38	64 39
DELAWARE NORTHERN NEWARK UNIVERSITY FARM 01	17	MAX MIN OBS	71 41	67 47	68 40	55 35	68 31	71 42	68 40	55 34	61 31	74 41	65 42	62 37	59 34	64 37	63 42
WILMINGTON WSO ARPT	MID	MAX MIN	69 53	68 52	56 39	54 37	65 32	71 48	55 35	52 34	65 34	74 52	62 35	51 33	59 42	64 39	50 40
WILMINGTON PORTER RSVR	MID	MAX MIN	69 55	68 51	56 38	52 37	64 39	68 49	55 37	51 35	64 38	72 53	64 36	51 34	57 42	63 41	48 40
SOUTHERN DOVER 02	17	MAX MIN	73 53	63 53	63 41	53 36	66 38	70 50	69 46	51 32	68 35	74 54	71 46	62 38	59 43	68 43	66 42
GREENWOOD 2 NE	07	MAX MIN	77 52	72 54	73 44	53 37	56 34	67 35	73 45	54 31	56 33	67 39	76 52	59 40	57 42	62 42	69 44
LEWES	17	MAX MIN	71 56	67 59	67 44	56 35	68 43	73 57	68 46	51 38	70 38	77 38	68 56	56 47	58 46	72 44	65 44

DAILY TEMPERATURES (°F)

STATION	DAY OF MONTH																AVERAGE
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WOODSTOCK																	M
APPALACHIAN MOUNTAIN CUMBERLAND 2 07	45	44	55	63	53	69	62	58	64	62	55	61	53	46	48	M	
	33	22	22	28	34	44	45	52	43	43	42	38	29	26	19	60.4	
CUMBERLAND POLICE BRK	44	38	41	52	58	51	65	58	57	54	44	57	53	41	54	36.2	
	36	33	21	27	27	32	43	44	45	43	43	42	36	29	27	57.3	
									53							36.9	
FROSTBURG 2	43	38	36	52	58	53	64	67	59	61	50	53	52	42	37	54.5	
HAGERSTOWN POLICE BRK	31	26	21	22	37	46	45	51	48	39	38	36	32	28	21	36.6	
	50	46	46	53	58	63	70	67	59	67	61	64	59	48	40	61.0	
	46	46	53	58	63	70	67	59	67	61	64	59	59	58	59		
SHARPSBURG 5 S	39	30	24	24	45	45	48	48	48	46	46	45	44	38	28	40.3	
	50	47	45	57	62	67	72	68	60	69	56	64	61	52	48	62.1	
	38	25	21	21	28	42	41	48	48	49	47	43	31	26	21	35.7	
ALLEGHENY PLATEAU OAKLAND 1 SE 08	38	35	55	64	57	67	64	66	61	56	59	52	49	40	32	55.4	
	29	25	15	23	28	28	43	37	42	40	40	34	31	28	22	33.7	
SAVAGE RIVER DAM	45	39	38	52	58	52	63	59	57	61	44	55	53	44	39	54.6	
	64																
	35	31	20	23	31	37	42	43	49	43	41	39	35	28	27	36.3	
DELAWARE																	
NORTHERN NEWARK UNIVERSITY FARM 01	45	44	56	64	70	67	62	64	62	63	71	63	58	44	41	61.5	
	34	30	24	32	38	48	51	56	50	51	46	46	37	31	28	39.2	
											60	57					
WILMINGTON WSO ARPT	43	44	53	59	69	65	59	61	62	58	67	57	51	48	39	58.3	
	31	29	25	32	40	46	53	55	54	50	50	45	37	31	28	40.4	
WILMINGTON PORTER RSVR	40	42	51	59	67	68	57	59	61	58	68	55	48	45	36	57.2	
	33	30	30	35	46	47	53	53	55	49	50	48	38	34	27	41.8	
SOUTHERN DOVER 02	49	49	55	62	69	69	68	60	62	62	71	70	57	52	44	62.5	
	37	30	29	36	47	45	50	55	54	52	50	50	39	31	29	42.8	
GREENWOOD 2 NE	51	46	46	57	72	74	76	59	60	67	66	74	58	54	49	62.7	
	35	32	24	25	34	45	51	51	56	56	55	52	37	29	29	41.2	
LEWES	48	45	57	65	74	73	60	58	71	64	73	67	55	55	44	63.2	
	37	32	29	38	52	47	53	55	55	55	55	52	44	37	34	45.7	

EVAPORATION AND WIND

STATION		DAY OF MONTH														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
MARYLAND																
UPPER SOUTHERN	04															
UPPER MARLBORO 3 NNW		WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EVAP	-	-	9	13	10	*	*	40	9	10	9	8	*	*
		MAX	73	73	66	54	57	63	69	59	60	66	70	57	50	65
		MIN	51	54	45	37	36	38	44	39	37	39	50	43	43	44
DELAWARE																
NORTHERN	01															
NEWARK UNIVERSITY FARM		WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EVAP	1	5	6	6	1	4	5	3	1	1	2	2	2	1
		MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Evaporation: Is measured in hundredths of inches

Wind: Is measured in miles

Max and Min: The maximum and minimum temperatures (Fahrenheit) of the water in the evaporation pan

EVAPORATION AND WIND

STATION	DAY OF MONTH																TOTAL OR AVERAGE
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MARYLAND																	
UPPER SOUTHERN 04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
UPPER MARLBORO 3 NNW	14	17	5	5	*	*	22	6	1	*	*	*	*	27	-	2.57B	
	56	51	50	55	60	68	70	69	64	68	59	68	62	57	49	61.8	
	37	34	34	34	35	47	47	52	58	57	54	49	42	38	34	43.1	
DELAWARE																	
NORTHERN 01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
NEWARK UNIVERSITY FARM	10	9	0	1	1	1	2	3	3	5	2	2	5	5	6	1.05	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	

Evaporation: Is measured in hundredths of inches

Wind: Is measured in miles

Max and Min: The maximum and minimum temperatures (Fahrenheit) of the water in the evaporation pan

SNOWFALL AND SNOW ON GROUND (INCHES)

STATION		DAY OF MONTH														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
MARYLAND																
NORTHERN CENTRAL 06	SNOWFALL			T												
CATOCTIN MOUNTAIN PARK	SN ON GND			T												
DAMASCUS 3 SSW	SNOWFALL															
EMMITSBURG 2 SE	SN ON GND															
MILLERS 4 NE	SNOWFALL															
ROCKVILLE 1 NE	SN ON GND															
ROCKVILLE 1 NE	SNOWFALL															
ROCKVILLE 1 NE	SN ON GND															
APPALACHIAN																
MOUNTAIN 07	SNOWFALL			T												
CUMBERLAND 2	SN ON GND			T												
CUMBERLAND POLICE BRK	SNOWFALL			T												
CUMBERLAND POLICE BRK	SN ON GND			T												
FROSTBURG 2	SNOWFALL			T	1.0											
FROSTBURG 2	SN ON GND			T	1											
SHARPSBURG 5 S	SNOWFALL				T											
SHARPSBURG 5 S	SN ON GND				T											
ALLEGHENY PLATEAU 08																
OAKLAND 1 SE	SNOWFALL			5.0												
OAKLAND 1 SE	SN ON GND			-	-	-	-									
SAVAGE RIVER DAM	SNOWFALL				.5											
SAVAGE RIVER DAM	SN ON GND				-	-	-	-	-							

Snowfall: Includes snow and ice. Values for NWS stations (J index note) are Mid - Mid (LST).
 Snow on ground: Includes snow, sleet, ice and hail. Values for NWS stations (J index note) are observed at 12 UTC (GMT).
 Water Equivalent: Given for NWS stations (J index note) only, when snow depth is 2 inches or more, and is measured at 18 UTC (GMT).

SNOWFALL AND SNOW ON GROUND (INCHES)

STATION	DAY OF MONTH															
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MARYLAND																
NORTHERN CENTRAL 06 CATOCTIN MOUNTAIN PARK																
DAMASCUS 3 SSW																T
EMMITSBURG 2 SE																T
MILLERS 4 NE																T
ROCKVILLE 1 NE																T
APPALACHIAN MOUNTAIN 07 CUMBERLAND 2																
CUMBERLAND POLICE BRK																
FROSTBURG 2	T	T														.6
SHARPSBURG 5 S	T															1
ALLEGHENY PLATEAU 08 OAKLAND 1 SE																3.3
SAVAGE RIVER DAM																-
																.5
																-

Snowfall: Includes snow and ice. Values for NWS stations (J index note) are Mid - Mid (LST).
 Snow on ground: Includes snow, sleet, ice and hail. Values for NWS stations (J index note) are observed at 12 UTC (GMT).
 Water Equivalent: Given for NWS stations (J index note) only, when snow depth is 2 inches or more, and is measured at 18 UTC (GMT).

STATION INDEX

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 FIEL	0015	06	HARFORD	39 28	76 10W	57	16	16		C H	PHILLIPS ARMY AIRFIELD
ANNAPOLIS POLICE BRKS	0193	04	ANNE ARUNDEL	39 0	76 31W	25	17	17		H	ANNAPOLIS POLICE BRKS
ASSATEAGUE ISLAND	0335	01	WORCESTER	38 4	75 13W	10	07	07		H	NATIONAL PARK SERVICE
BALTIMORE WSO ARPT	0465	04	ANNE ARUNDEL	39 10	76 41W	148	MID	MID		C HJ	NATL WEATHER SERVICE
BELTSVILLE	0700	04	PRINCE GEORG	39 2	76 53W	145	08	08	08	C H	AGRI RESEARCH CTR EAST
CATOCTIN MOUNTAIN PARK	1530	06	FREDERICK	39 39	77 29W	1610	17	17		H	CATOCTIN MOUNTAIN PARK
CHESTERTOWN	1750	05	KENT	39 13	76 4W	40	23	23		H	THOMAS W ELIASON JR
CLARKSVILLE 3 NNE	1862	06	HOWARD	39 15	76 56W	370	17	17		H	CMREC - CLARKSVILLE
CONOWINGO DAM	2060	06	HARFORD	39 39	76 10W	40	MID	MID		H	SUSQUEHANNA ELECTRIC CO
CUMBERLAND 2	2282	07	ALLEGANY	39 38	78 45W	730	17	07		H	TIMOTHY B THOMAS
CUMBERLAND POLICE BRK	2285	07	ALLEGANY	39 38	78 50W	970	17	17		H	MARYLAND STATE POLICE
DALECARLIA RESERVOIR	2325	04	DISTRICT OF	38 56	77 17W	150	17	17		H	U S CORPS OF ENGINEERS
DAMASCUS 3 SSW	2336	06	MONTGOMERY	39 16	77 14W	697	22	22		H	ROBERT J LEFFLER
EMMITSBURG 2 SE	2906	06	FREDERICK	39 41	77 18W	416	17	17		H	LUCILLE K BEALE
FREDERICK POLICE BRKS	3348	06	FREDERICK	39 25	77 26W	380	17	17		H	MARYLAND STATE POLICE
FROSTBURG 2	3415	07	ALLEGANY	39 40	78 56W	2168	07	07		H	KENNETH L CLOSE
GLENN DALE BELL STN	3675	04	PRINCE GEORG	38 58	76 48W	150	16	16		H	USDA PLANT INTRODUCT STN
HAGERSTOWN POLICE BRK	3980	07	WASHINGTON	39 37	77 44W	560	17	17		H	MARYLAND STATE POLICE
LAUREL 3 W	5111	04	PRINCE GEORG	39 6	76 54W	400	MID	MID		H	WA SUBURBAN SANITARY COM
MD SCI CTR BALTIMORE	5718	04	BALTIMORE (C	39 17	76 37W	20	MID	MID		C H	ASOS - NWS
MECHANICSVILLE 5 NE	5865	03	ST. MARY'S	38 27	76 41W	100	19	19		H	SANDRA J HASTINGS
MILLERS 4 NE	5934	06	CARROLL	39 43	76 48W	860	18	18		C H	BOBBY MILLER
MILLINGTON 1 SE	5985	05	KENT	39 16	75 52W	30	18	18		H	HOWARD L HARVEY
NATIONAL ARBORETUM DC	6350	04	DISTRICT OF	38 54	76 59W	50	07	07		H	US NATIONAL ARBORETUM
OAKLAND 1 SE	6620	08	GARRETT	39 24	79 24W	2420	17	17		H	BEA J CROSCO
POTOMAC FILTER PLANT	7272	06	MONTGOMERY	39 2	77 15W	270		08		H	POTOMAC WATER FILT PLANT
PRINCESS ANNE	7330	01	SOMERSET	38 13	75 41W	20	17	17		H	UNIV OF MD EASTERN SHORE
ROCKVILLE 1 NE	7705	06	MONTGOMERY	39 6	77 6W	440	MID	17		H	WASHINGTON GAS & ELEC CO
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		H	CITY OF SALISBURY
SALISBURY FAA ARPT #	8005	01	WICOMICO	38 20	75 31W	50	MID	MID		H	FAA
SAVAGE RIVER DAM	8065	08	GARRETT	39 31	79 8W	1495	08	08	08	C H	US CORPS OF ENGINEERS
SHARPSBURG 5 S	8207	07	WASHINGTON	39 24	77 43W	500	07	07		H	DAVID DOWNIN
SNOW HILL 4 N	8380	01	WORCESTER	38 14	75 23W	30	17	17		H	CURTIS E SHOCKLEY
UPPER MARLBORO 3 NNW	9070	04	PRINCE GEORG	38 52	76 47W	100	08	08	08	H	UNIVERSITY OF MARYLAND
VIENNA	9140	02	DORCHESTER	38 29	75 49W	10	18	18		H	DELMARVA POWER & LIGHT
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 HIGHWAY DEPT
GREENWOOD 2 NE	3595	02	SUSSEX	38 49	75 35W	45	07	07		H	DANIEL M SWARTZENTRUBER
LEWES	5320	02	SUSSEX	38 46	75 8W	15	17	17		H	BOARD OF PUBLIC WORKS
MILFORD 2 SE	5915	02	SUSSEX	38 54	75 26W	35	07	07		H	JOHN HALL
NEWARK UNIVERSITY FARM	6410	01	NEW CASTLE	39 40	75 44W	90	17	17	17	C H	UNIV OF DEL AGRIC FARM
WILMINGTON WSO ARPT	9595	01	NEW CASTLE	39 40	75 36W	74	MID	MID		C HJ	NATIONAL WEATHER SERVICE
WILMINGTON PORTER RSVR	9605	01	NEW CASTLE	39 46	75 32W	270	MID	MID		H	WILMINGTON WATER DEPT

REFERENCE NOTES

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 (i.e. not precipitation alone).

NORMALS: The average value of the meteorological element over a time period. Effective 1 January 1993, the averaging period is 1961 to 1990. 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 number of days with .10, .50, 1.00 or more refers to water equivalents.

PRECIPITATION QUALITY CONTROL: The NCDC quality control process may delete precipitation data that are spatially inconsistent; exceed climatological limits, or are inconsistent with prevailing weather patterns.

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 indicated 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 the "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 the "Soil Temperatures" table.
H Observations appear in the "Snowfall and Snow on the 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.

VAR Observation time varies.
WI Rain gage read weekly or irregularly.
WM Rain gage read weekly and last day of the 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 the 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 check, 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)

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 is kept on file at the National Climatic Data Center. Historical information of regular National Weather Service Offices may be obtained from the "Local Climatological Data" annual publication. The contents of this publication may be reprinted or otherwise used freely, with proper credit to the National Climatic Data Center. The data are also available in digital form on magnetic tape and diskette.

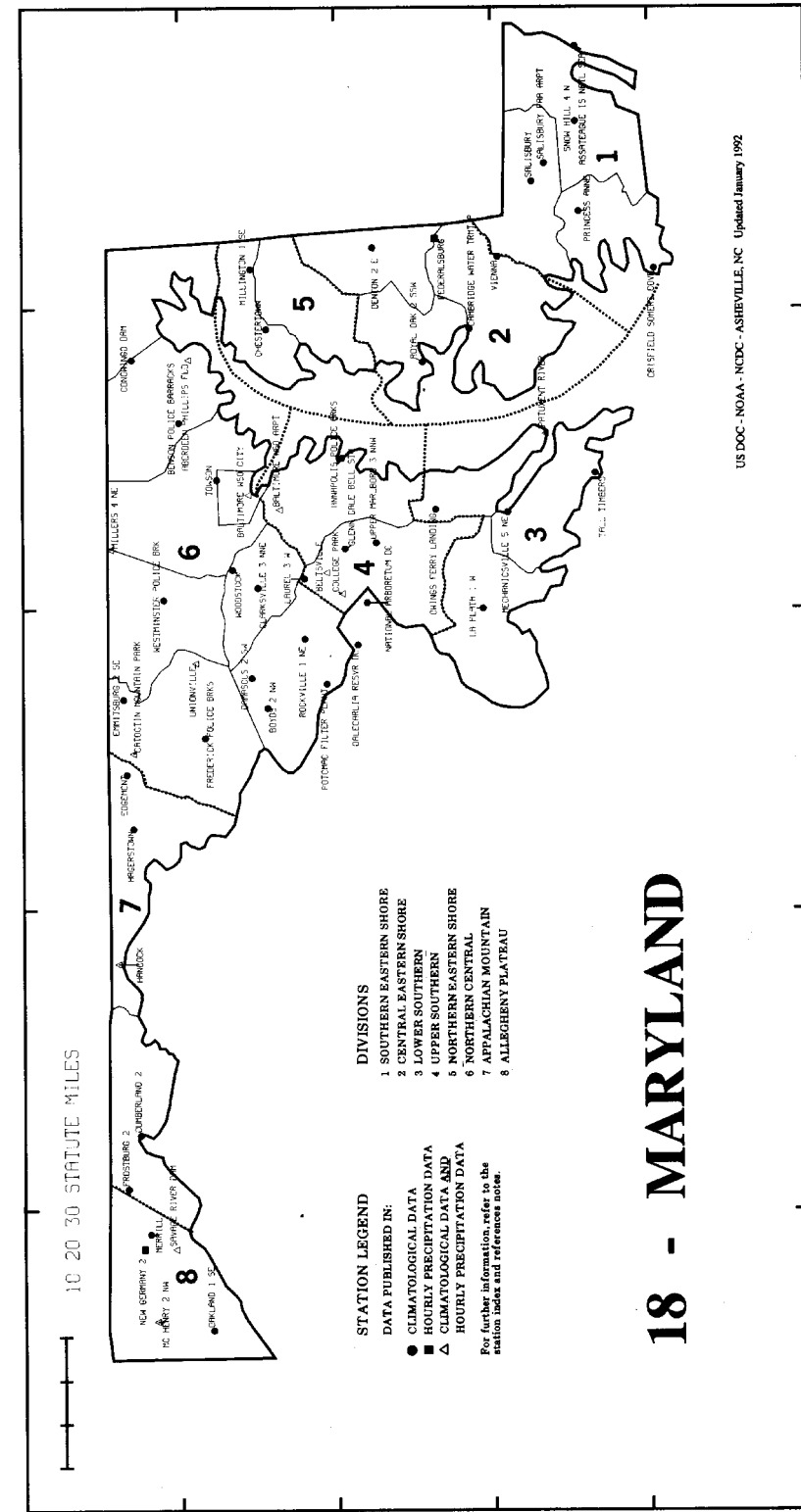
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-76.0

-76.0

-80.0

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DIVISIONS

- 1 SOUTHERN EASTERN SHORE
- 2 CENTRAL EASTERN SHORE
- 3 LOWER SOUTHERN
- 4 UPPER SOUTHERN
- 5 NORTHERN EASTERN SHORE
- 6 NORTHERN CENTRAL
- 7 APPALACHIAN MOUNTAIN
- 8 ALLEGHENY PLATEAU

STATION LEGEND

- DATA PUBLISHED IN:**
- CLIMATOLOGICAL DATA
 - HOURLY PRECIPITATION DATA
 - ▲ CLIMATOLOGICAL DATA AND HOURLY PRECIPITATION DATA
- For further information, refer to the station index and references note.

18 - MARYLAND

40.0

40.0

10 20 30 STATUTE MILES

07 - DELAWARE

1

STATION LEGEND

DATA PUBLISHED IN:

- CLIMATOLOGICAL DATA
- HOURLY PRECIPITATION DATA
- △ CLIMATOLOGICAL DATA AND HOURLY PRECIPITATION DATA

For further information, refer to the station index and references notes.

DIVISIONS

- 1 NORTHERN
- 2 SOUTHERN

WILMINGTON PORTER RSVR

HEMLOCK UNIVERSITY FARM

WILMINGTON HSD BRCT

DOWR

2

MILFORD 4 SE

GREENWOOD 2 NE

LEWES

GEORGETOWN 5 SH

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39.0

39.0

38.0
-76.0

-75.5

-75.0

38.0

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