



# CLIMATOLOGICAL DATA MARYLAND AND DELAWARE

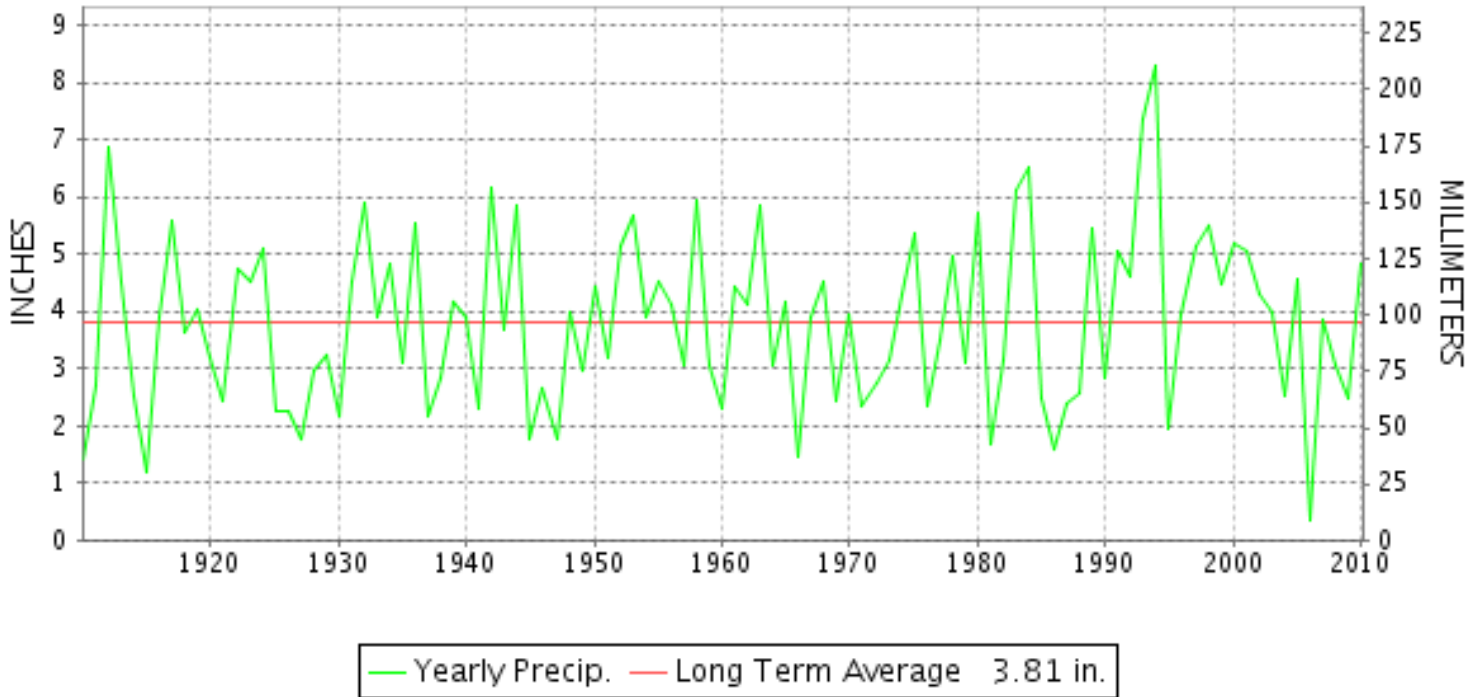


MARCH 2010

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## MARCH PRECIPITATION BY YEAR



### TEMPERATURE AND PRECIPITATION EXTREMES

#### MARYLAND

HIGHEST TEMPERATURE	78	MARCH 22+	2 STATIONS
LOWEST TEMPERATURE	1	MARCH 6	OAKLAND 1 SE
GREATEST TOTAL PRECIPITATION	7.95		ASSATEAGUE
LEAST TOTAL PRECIPITATION	1.42		SALISBURY FAA AP
GREATEST 1 DAY PRECIPITATION	3.51	MARCH 13	CATOCTIN MTN PARK
GREATEST TOTAL SNOWFALL	4.1		OAKLAND 1 SE
GREATEST DEPTH OF SNOW OR ICE	24	MARCH 1	FROSTBURG 2

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**DELAWARE**

HIGHEST TEMPERATURE	74	MARCH 20	WILMINGTON NEW CASTLE R
LOWEST TEMPERATURE	27	MARCH 28+	2 STATIONS
GREATEST TOTAL PRECIPITATION	6.24		WILMINGTON PORTER RES
LEAST TOTAL PRECIPITATION	5.37		WILMINGTON NEW CASTLE R
GREATEST 1 DAY PRECIPITATION	1.74	MARCH 13	WILMINGTON PORTER RES



# MONTHLY STATION AND DIVISION SUMMARY

STATION	TEMPERATURE (°F)											PRECIPITATION (IN)												
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEG. DAYS	COOLING DEG. DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST 24 HOURS	DATE	ICE PELLETS, SNOW			NO. OF DAYS		
											MAX		MIN						TOTAL	MAX DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
											>=90	<=32	<=32	<=0										
EMMITSBURG 2 SE	55.9	36.5	46.2	3.2	74	22	25	27	574	0	0	0	9	0	4.08	.13	1.10	14	.0	0		7	3	2
FREDERICK 2 NNE	57.0	36.9	47.0		75	22+	25	7+	552	0	0	0	7	0	4.54		1.10	14	.0	4	1	8	4	2
MILLERS 4 NE	55.5	37.0	46.3	4.6	73	21	24	27	576	0	0	0	11	0	3.57	-.20	1.02	13	.5	8	1	8	2	1
SMITHSBURG 2NW	54.2	34.2	44.2		72	22	20	5	636	0	0	0	14	0	4.10		1.40	14	.0	0		7	3	3
--DIVISIONAL DATA-----> <b>APPALACHIAN MOUNTAIN 07</b>			46.5	3.8										4.63	.60			.1						
CUMBERLAND 2	59.6	37.7	48.7	6.0	76	22+	27	27+	498	1	0	0	7	0	4.39	1.09	1.30	23	T	3	1	6	4	1
FROSTBURG 2	49.0	30.7	39.9	4.6	69	22	18	7+	770	0	0	2	16	0	4.93	1.09	1.71	13	1.5	24	1	6	4	2
SHARPSBURG 5 S	56.9	33.2	45.1		75	22	22	7+	611	0	0	0	16	0	4.71		1.17	29	.0	0		7	3	2
WILLIAMSPORT	57.0	34.9	46.0		75	22	24	7	582	0	0	0	14	0	4.16		1.50	29	.0	0		5	3	1
--DIVISIONAL DATA-----> <b>ALLEGHENY PLATEAU 08</b>			44.9	4.2										4.55	1.13			.4						
OAKLAND 1 SE	49.1	26.2	37.7	-2	68	22	1	6	839	0	0	3	20	0	3.96	.01	.72	13	4.1	18	12	10	4	0
SAVAGE RIVER DAM	M	M	M																M	M				
--DIVISIONAL DATA-----> <b>DELAWARE NORTHERN 01</b>			37.7	.7										3.96	.09			4.1						
BEAR 2 SW	57.2	36.9	47.1		73	21+	27	28	549	0	0	0	8	0	5.83		1.55	13	T	T		9	4	2
WILMINGTON NEW CASTLE R	57.4	38.4	47.9	5.2	74	20	27	27+	524	0	0	0	4	0	5.37	1.40	1.30	13	T	T		9	5	1
WILMINGTON PORTER RES	56.4	40.3	48.4	6.6	73	25	30	27	508	0	0	0	1	0	6.24	2.43	1.74	13	.0	0		8	5	2
--DIVISIONAL DATA-----> <b>SOUTHERN 02</b>			47.8	5.1										5.81	1.70			.0						
DOVER	M	M	M																M	M				
GREENWOOD 2NE	M	M	M																M	M				
LEWES	M	M	M																M	M				
--DIVISIONAL DATA----->																								

DAILY PRECIPITATION (INCHES)

STATION	TOTAL	DAY OF MONTH																															
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
<b>MARYLAND</b>																																	
<b>SOUTHERN EASTERN</b>																																	
<b>SHORE 01</b>																																	
ASSATEAGUE	7.95		.26	1.60	.01							1.07	.97	.01	.30	.01							.12			1.24			2.34	.02			
PRINCESS ANNE	7.45		*	.70								.85	*	*	*	*	*	*	*	*	3.10		.05			*	*	2.54	.11	.10			
SALISBURY	6.61			.50							.07	.69	1.63	.02	.27	.05						.25	.02			.87	.03	1.89	.15	.17			
SALISBURY FAA AP	1.42		T	.03	.05						T	.15	.43	T	T	T						.07	T		T	.17		.52	T				
SNOW HILL 4 N	6.93			.93							.05	.70	1.37	.15	.30	.10						.12	.05			.82		2.20	.09	.05			
<b>CENTRAL EASTERN</b>																																	
<b>SHORE 02</b>																																	
ROYAL OAK 2 SSW	5.88		.04	.35							.05	.83	1.60	.17	.13	.08						.13	.01			.55		1.46	.23	.25			
VIENNA	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>LOWER SOUTHERN 03</b>																																	
MECHANICSVILLE 5 NE	4.91			.31	.02						T	.96	.99	.25	.08	T						T	.19	T		.31	.14	1.56	.10	T			
SOLOMONS	5.16			.57	T							.78	.89	.18	.07	.04						T	.32		T	.46	*	.16	1.44	.25	T		
<b>UPPER SOUTHERN 04</b>																																	
BALTIMORE WASH INTL AP R	5.53		.10	T						T		.98	2.31	.32	.08	T						.50			.05	.24	.54	.23	.18				
BELTSVILLE	3.99			.11								.64	.59	1.15	.09	.02						.02	.26			.20	.04	.81	.04	.02			
DALECARLIA RSVR	4.16			.11								.50	.77	.91	.12	.04						.03	.43	.02		.27	.05	.86		.05			
LAUREL 3 W	4.78		.05	.10								.28	2.19	.31	.12							.40			.05	.29	.49	.28	.22				
MD SCI CTR BALTIMORE R	4.92		.10	.01								.67	2.03	.27	.05							.45			.06	.27	.51	.20	.30				
NATL ARBORETUM DC	3.67			.09	T							.55	.77	.53	.07	.01						T	.32			.27	T	.82	.24	T			
OXON HILL	4.11	T		.12	.01							.55	.64	.44	.08	.09						T	.32	.01		.40	.11	1.11	.22	.01			
UPPER MARLBORO 3 NNW	4.82			.10	T							.65	1.05	.79	.06	.07							.30			.32	.23	1.19	.05	.01			
<b>NORTHERN EASTERN</b>																																	
<b>SHORE 05</b>																																	
CHESTERTOWN	6.08		.07	.09								.48	1.60	.10	.21							.97	T		.31		.15	1.55	.52	.03			
<b>NORTHERN CENTRAL 06</b>																																	
ABERDEEN PHILLIPS FLD	5.61			.10								.30	*	2.03	.41	.01						.01	.67	T		.37	.01	1.33	.13	.24			
BRIGHTON DAM	3.78			.05	.15							.54	1.15	.27	.11							.02	.34			.53		.62					
CATOCTIN MTN PARK	6.11		T	.17								1.69	3.51	.21	.06							.05	.10			.32							
CONOWINGO DAM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CYLBURN	5.19	.01		.14	T							.42	.78	*	*	1.63						*	.51			.53	.08	*	*	*	1.09		
DAMASCUS 3 SSW	3.83		.08	.03								.57	.68	.47	.10	T						.52	.07			.53	.63	.15	T	T			
EMMITSBURG 2 SE	4.08			T	.05							.34	1.06	1.10	.05	.05						T	.32			.23		.77	.11				
FREDERICK 2 NNE	4.54											.55	1.06	1.10	.14	.03						.02	.24			.35	.02	.91	.12				
MILLERS 4 NE	3.57	.01	.03	.08	T							.37	1.02	.12	.15	.06						.34	.01	T		.21		T	.81	.30	.06		
POTOMAC FLTR PLT	2.44		.03	.02									.33	.04	.05							.59				.14		1.12	.08	.04			
SMITHSBURG 2NW	4.10											.15	1.00	1.40	.15								.10	.05		.10		1.10	.05				
<b>APPALACHIAN</b>																																	

MARYLAND AND DELAWARE  
MARCH 2010

## DAILY PRECIPITATION (INCHES)

STATION	TOTAL	DAY OF MONTH																															
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
<b>MOUNTAIN 07</b>																																	
CUMBERLAND 2	4.39			T								.58	.73	.40	.05	.01							.08	1.30	.03		.21			.96	.04		
FROSTBURG 2	4.93	.06		.07								.64	1.71	1.18	.05	.04						.06	.22	.05		.26			.59				
SHARPSBURG 5 S	4.71			.08	.05							.48	1.10	.75	.35	.03						T	.21	.05		.35	.02		1.17	.07			
WILLIAMSPORT	4.16			.06	.06							.40	.90	.73								.02	.08	.03		.38			1.50				
<b>ALLEGHENY PLATEAU 08</b>																																	
OAKLAND 1 SE	3.96	.24		.12								.30	.72	.62	.05	.15							.03	.21	.19		.60	.02		.65	.06		
SAVAGE RIVER DAM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<b>DELAWARE</b>																																	
<b>NORTHERN 01</b>																																	
BEAR 2 SW	5.83		.08	.04							T	.68	1.55	.12	.21	.01							.14	T		.02	.41		.44	.90	1.19	.04	
WILMINGTON NEW CASTLE R	5.37		.05	.02								.62	1.30	.40	.13	T				T			.34	T		.04	.31		.76	.62	.77	.01	
WILMINGTON PORTER RES	6.24		.06	.07								.63	1.74	.04	.44								.55			.04	.27		.30	1.28	.82		
<b>SOUTHERN 02</b>																																	
DOVER	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GREENWOOD 2NE	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LEWES	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	



DAILY TEMPERATURES (°F)

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE			
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
OXON HILL	08	MAX MIN	47 36	50 36	42 34	41 34	48 34	51 32	54 32	60 36	62 36	68 37	64 45	64 50	53 49	54 48	51 46	50 44	64 36	69 36	71 37	74 40	76 42	77 48	65 44	54 43	69 44	75 46	53 30	50 32	62 38	57 44	57 44	59.1 39.8			
UPPER MARLBORO 3 NNW	08	MAX MIN	45 35	48 34	42 34	40 33	46 33	50 30	51 30	59 32	61 33	66 34	60 38	63 43	52 47	53 48	51 44	48 43	62 32	68 32	70 34	72 39	75 45	77 44	63 44	55 44	67 39	73 42	49 28	48 31	60 38	57 43	55 42	57.6 37.5			
<b>NORTHERN EASTERN SHORE 05</b> CHESTERTOWN	23	MAX MIN OBS	47 32 23	41 31 34	41 34 34	45 34 34	46 29 34	50 31 29	56 31 29	58 31 31	62 35 41	60 45 45	60 44 44	50 45 44	52 45 44	58 44 43	47 43 43	60 42 36	65 35 35	68 38 38	70 41 45	73 45 55	74 45 46	62 55 46	55 45 45	68 39 39	54 39 39	47 29 29	61 31 51	56 40 51	52 43 40	66 43 43	57.0 38.5				
<b>NORTHERN CENTRAL 06</b> ABERDEEN PHILLIPS FLD	07	MAX MIN	43 32	47 33	43 33	42 35	45 35	48 30	51 31	58 30	60 34	63 37	59 42	59 45	50 47	51 46	53 44	49 45	63 36	66 34	69 34	72 39	74 42	74 42	62 47	54 45	65 40	72 41	49 29	46 29	61 37	58 42	47 42	56.5 38.0			
CATOCTIN MTN PARK	17	MAX OBS MIN OBS	41 29	39 30	36 30	39 25	42 23	46 23	50 30	51 34	63 33	60 35	61 38	51 43	46 39	49 43	45 38	62 41	63 38	65 43	71 41	71 48	73 48	67 57	60 38	65 43	67 43	64 33	46 22	48 34	57 44	55 36	68 42	55.5 36.9			
CONOWINGO DAM	07	MAX MIN																																			M M M
CYLBURN	08	MAX MIN		48	42	40	46	50			60	66	58	58	49					69	72	74	77				57	56	73	51						M M M	
DAMASCUS 3 SSW	22	MAX MIN	44 35	39 32	38 32	42 29	45 28	48 32	53 35	55 37	62 42	60 41	65 47	54 46	50 46	47 46	46 42	60 42	65 42	67 43	70 47	74 45	64 57	58 42	63 42	67 45	58 37	49 26	56 37	56 47	52 40	68 45	56.5 39.7				
EMMITSBURG 2 SE	07	MAX MIN OBS	42 33	44 33	39 33	41 31	44 31	48 27	52 30	55 34	58 31	62 31	62 36	65 39	51 44	51 46	50 44	49 44	62 33	65 32	68 32	71 37	73 38	74 51	63 44	53 43	65 37	66 38	48 25	49 34	49 38	41 41	60 41	53 41	55.9 36.5		
FREDERICK 2 NNE	07	MAX OBS MIN OBS	43 35	45 34	40 34	42 33	45 32	47 25	***	52 25	57 33	59 30	64 31	63 40	68 40	52 46	52 46	49 46	50 44	63 33	68 33	68 35	72 38	75 39	75 51	64 46	51 44	66 37	72 39	47 26	51 26	51 39	60 42	55 42	57.0 36.9		
MILLERS 4 NE	18	MAX MIN	43 31	38 31	37 32	41 29	44 29	48 25	52 31	54 32	58 32	59 35	63 37	52 45	49 42	47 43	46 40	60 40	63 37	65 38	68 40	70 42	73 41	66 54	58 42	61 42	66 40	65 36	46 24	52 32	54 47	53 39	68 40	55.5 37.0			
SMITHSBURG 2NW	08	MAX OBS MIN	43 32	45 30	41 31	41 27	42 20	43 21	45 22	53 26	55 26	61 38	62 40	65 42	51 42	49 42	48 42	45 39	60 30	65 29	65 30	67 33	70 38	72 50	67 46	48 44	60 44	64 39	46 23	49 24	48 37	59 37	52 37	54.2 34.2			
<b>APPALACHIAN MOUNTAIN 07</b> CUMBERLAND 2	18	MAX OBS MIN	43 36	42 34	39 33	42 29	43 28	48 27	51 27	60 27	60 28	65 38	67 38	71 52	62 45	51 42	50 45	63 44	64 34	69 33	70 34	74 37	76 44	76 56	72 44	66 45	66 40	65 40	54 27	54 37	51 42	63 38	72 44	59.6 37.7			
FROSTBURG 2	07	MAX MIN	32 25	33 26	32 26	33 20	34 20	36 18	39 18	47 26	48 27	58 28	55 37	60 38	46 39	42 36	42 37	38 36	54 33	60 33	60 33	65 32	68 39	69 40	64 37	42 35	58 35	67 35	44 22	47 22	41 30	53 32	51 31	49.0 30.7			

DAILY TEMPERATURES (°F)

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE		
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
SHARPSBURG 5 S	07	MAX	43	45	40	39	44	48	51	56	59	62	65	68	53	53	53	48	62	67	68	72	74	75	66	48	66	72	48	50	50	62	56	56.9		
		MIN	30	30	31	30	24	22	22	23	25	26	36	36	46	45	44	42	29	29	31	32	36	39	44	37	36	40	23	23	38	41	40	33.2		
WILLIAMSPORT	06	MAX	44	47	40	41	43	49	53	59	60	64	64	67	52	50	50	50	64	68	70	73	74	75	66	49	65	67	49	50	45	63	57	57.0		
		OBS					***										***								67											
		MIN	34	31	32	31	26	26	24	27	28	27	38	40	44	45	40	45	32	30	31	34	36	42	49	44	36	37	27	26	38	42	41	34.9		
		OBS					***										***																			
<b>ALLEGHENY PLATEAU 08</b>																																				
OAKLAND 1 SE	07	MAX	30	33	30	29	36	39	39	46	56	56	57	58	49	46	40	38	52	59	60	62	66	68	66	40	58	65	44	48	47	53	52	49.1		
		MIN	24	25	26	22	4	1	5	11	15	14	37	42	40	38	37	35	24	24	24	27	29	33	34	33	31	34	21	25	34	32	32	26.2		
SAVAGE RIVER DAM	08	MAX																																	M	
		MIN																																	M	
<b>DELAWARE NORTHERN 01</b>																																				
BEAR 2 SW M	MID	MAX	47	44	42	45	48	51	56	59	63	60	56	51	52	53	47	64	67	68	71	73	73	59	53	63	72	57	46	55	56	55	68	57.2		
		MIN	35	30	36	34	34	29	28	33	34	31	43	44	44	46	43	39	30	31	35	36	39	52	41	38	35	37	29	27	50	39	41	36.9		
WILMINGTON NEW CASTLE M	MID	MAX	46	45	43	46	51	52	57	59	63	62	57	49	52	53	47	64	67	69	71	74	71	61	53	63	71	54	46	56	57	53	68	57.4		
		MIN	33	30	36	33	31	27	34	35	37	34	43	44	43	45	42	42	35	35	41	42	42	51	45	43	40	34	27	34	50	39	42	38.4		
WILMINGTON PORTER RES M	MID	MAX	45	43	42	45	47	50	54	56	60	60	57	49	51	51	46	60	63	66	69	72	72	60	53	72	73	56	45	57	56	54	65	56.4		
		OBS																																		
		MIN	34	36	34	34	33	38	36	36	36	36	44	43	42	44	42	41	43	36	41	52	48	53	46	49	40	37	30	39	50	37	40	40.3		
		OBS																	54	52																
<b>SOUTHERN 02</b>																																				
DOVER	16	MAX																																	M	
		MIN																																		M
GREENWOOD 2NE	07	MAX																																	M	
		MIN																																		M
LEWES	17	MAX																																	M	
		MIN																																		M

## SNOWFALL AND SNOW ON GROUND (INCHES)

STATION		DAY OF MONTH																														
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
<b>MARYLAND</b>																																
<b>CENTRAL EASTERN</b>																																
<b>SHORE 02</b>																																
ROYAL OAK 2 SSW	SNOWFALL																															
	SN ON GND	T	T	T	T																											
<b>LOWER SOUTHERN 03</b>																																
MECHANICSVILLE 5 NE	SNOWFALL																															
	SN ON GND	2	1	1	T	T	T	T	T	T	T	T																				
SOLOMONS	SNOWFALL																															
	SN ON GND	T		T																												
<b>UPPER SOUTHERN 04</b>																																
BALTIMORE WASH INTL AP R	SNOWFALL																															
	SN ON GND	T	T	T																												
	WTR EQUIV																															
OXON HILL	SNOWFALL																															
	SN ON GND			T	T																											
UPPER MARLBORO 3 NNW	SNOWFALL																															
	SN ON GND	1	T	T	T	T																										
<b>NORTHERN CENTRAL 06</b>																																
CATOCTIN MTN PARK	SNOWFALL																															
	SN ON GND	17	16	16	15	14	13	11	9	7	6	5																				
CYLBURN	SNOWFALL	T		-																												
	SN ON GND	-	7	4	3	2	2	-	-	1																						
DAMASCUS 3 SSW	SNOWFALL		.2	T																												
	SN ON GND	4	4	3	2	1	T	T	T	T	T	T																				
FREDERICK 2 NNE	SNOWFALL																															
	SN ON GND	4	3	-	-	-																										

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)		
<b>MARYLAND</b>												
ABERDEEN PHILLIPS FLD	0015	06	HARFORD	39 28	76 10W	57	07	07			C H	US ARMY ABERDEEN TST CTR
ASSATEAGUE	0335	01	WORCESTER	38 4	75 13W	10	MID	MID			H	ASSATEAGUE IS NATL SEA
BALTIMORE WASH INTL AP R	0465	04	ANNE ARUNDEL	39 10	76 41W	156	MID	MID			C HJ	ASOS - FAA
BELTSVILLE	0700	04	PRINCE GEORG	39 2	76 56W	145	08	08	08		C H	USDA AG RESEARCH SVC
BRIGHTON DAM	1125	06	MONTGOMERY	39 11	77 0W	330		07			H	WA SUBURB SANIT COMM
CATOCTIN MTN PARK	1530	06	FREDERICK	39 39	77 29W	1610	17	17			H	CATOCTIN MOUNTAIN PK
CHESTERTOWN	1750	05	KENT	39 13	76 3W	40	23	23			H	THOMAS W ELIASON JR
CONOWINGO DAM	2060	06	HARFORD	39 39	76 11W	40	07	07			H	SUSQUEHANNA ELECTRIC CO
CUMBERLAND 2	2282	07	ALLEGANY	39 39	78 45W	730	18	18			H	TIMOTHY B THOMAS
CYLBURN	2308	06	BALTIMORE	39 22	76 38W	400	08	08			H	CYLBURN ARBORETUM
DALECARLIA RSVR	2325	04	PRINCE GEORG	38 56	77 7W	150	08	08			H	USA 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 17W	403	07	07			H	ERIC E GLASS
FREDERICK 2 NNE	3353	06	FREDERICK	39 26	77 24W	280	07	07			H	DIR PUBLIC WORK WTP
FROSTBURG 2	3415	07	ALLEGANY	39 40	78 56W	2170	07	07			H	GREGORY P LATTA
LAUREL 3 W	5111	04	PRINCE GEORG	39 5	76 54W	400	MID	MID			H	WA SUBURBAN SANITARY COM
MD SCI CTR BALTIMORE R	5718	04	BALTIMORE (C	39 17	76 37W	20	MID	MID			C H	ASOS - NWS
MECHANICSVILLE 5 NE	5865	03	ST. MARY'S	38 28	76 42W	100	07	07			H	SANDRA J HASTINGS
MILLERS 4 NE	5934	06	CARROLL	39 43	76 48W	860	18	18			C H	ROBERT MILLER
NATL ARBORETUM DC	6350	04	PRINCE GEORG	38 55	76 58W	50	07	07			H	US NATIONAL ARBORETUM
OAKLAND 1 SE	6620	08	GARRETT	39 25	79 24W	2420	07	07			H	GARRETT CO MEM HOSPITAL
OXON HILL	6800	04	PRINCE GEORG	38 48	77 0W	120	08	08			H	BRIAN SMITH
POTOMAC FLTR PLT	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
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	16	16			H	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	08	08	08		C H	USA CORPS OF ENGINEERS
SHARPSBURG 5 S	8207	07	WASHINGTON	39 24	77 43W	500	07	07			H	DAVID DOWNIN
SMITHSBURG 2NW	8371	06	WASHINGTON	39 40	77 35W	670	08	08			H	SMITHSBURG WWTP
SNOW HILL 4 N	8380	01	WORCESTER	38 14	75 23W	30	17	17			H	CURTIS E SHOCKLEY
SOLOMONS	8405	03	CALVERT	38 19	76 27W	12	08	08			H	CHESAPEAKE BIOLOGIC LAB
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 AND LIGHT
WILLIAMSPORT	9570	07	WASHINGTON	39 36	77 50W	360	06	06			H	R C WILSON TREATMENT PLT
<b>DELAWARE</b>												
BEAR 2 SW	1200	01	NEW CASTLE	39 36	75 44W	80	MID	MID			H	R GARY GALLAHER
DOVER	2730	02	KENT	39 16	75 31W	30	16	16			H	DEPT OF TRANSPORTATION
GREENWOOD 2NE	3595	02	SUSSEX	38 49	75 35W	45	07	07			H	CONNIE HOLMBERG
LEWES	5320	02	SUSSEX	38 47	75 8W	15	17	17			H	BOARD OF PUBLIC WORKS
WILMINGTON NEW CASTLE R	9595	01	NEW CASTLE	39 40	75 36W	79	MID	MID			C HJ	ASOS - FAA
WILMINGTON PORTER RES	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 2002, the averaging period is 1971 to 2000. 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.

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 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."

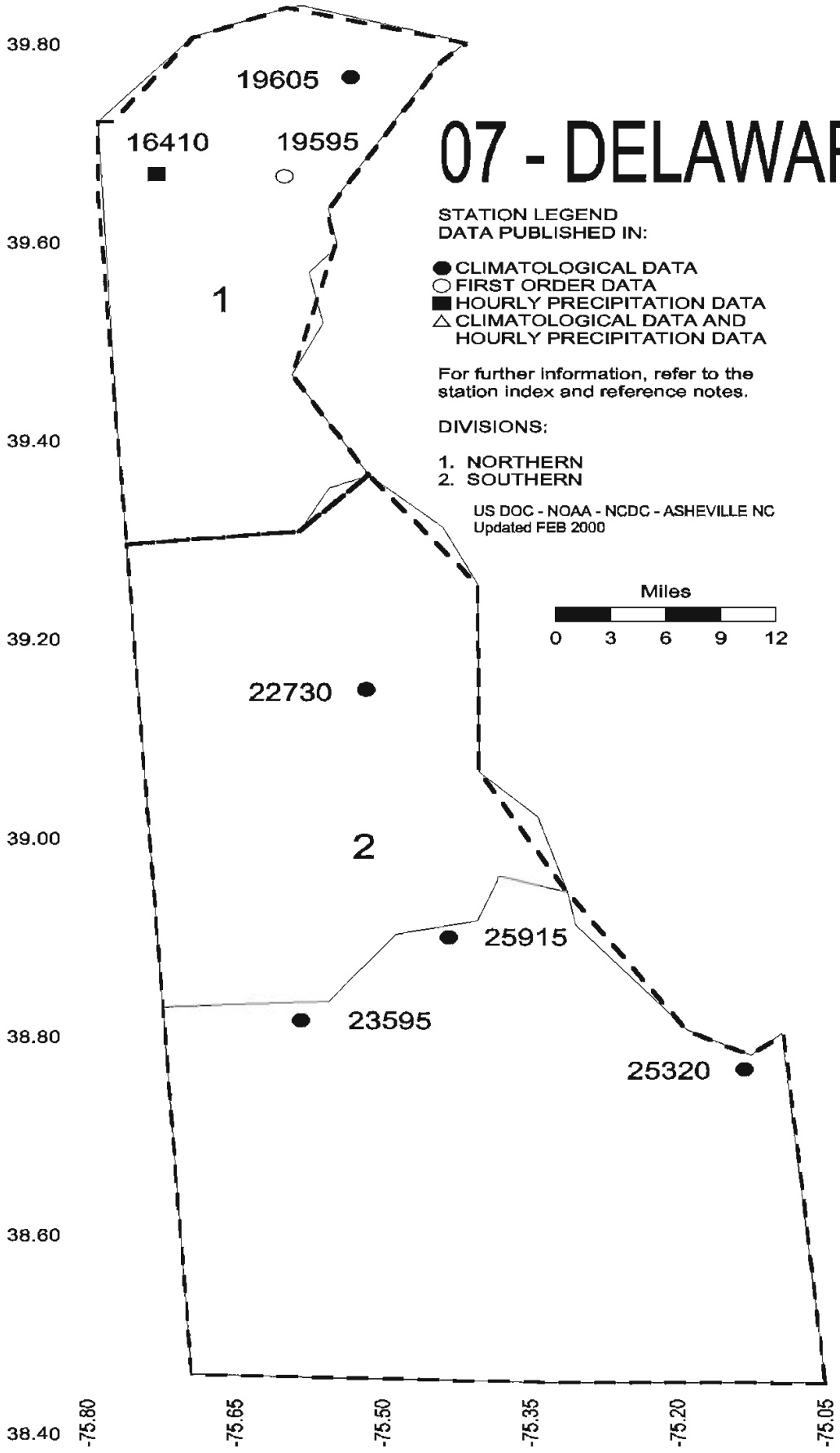
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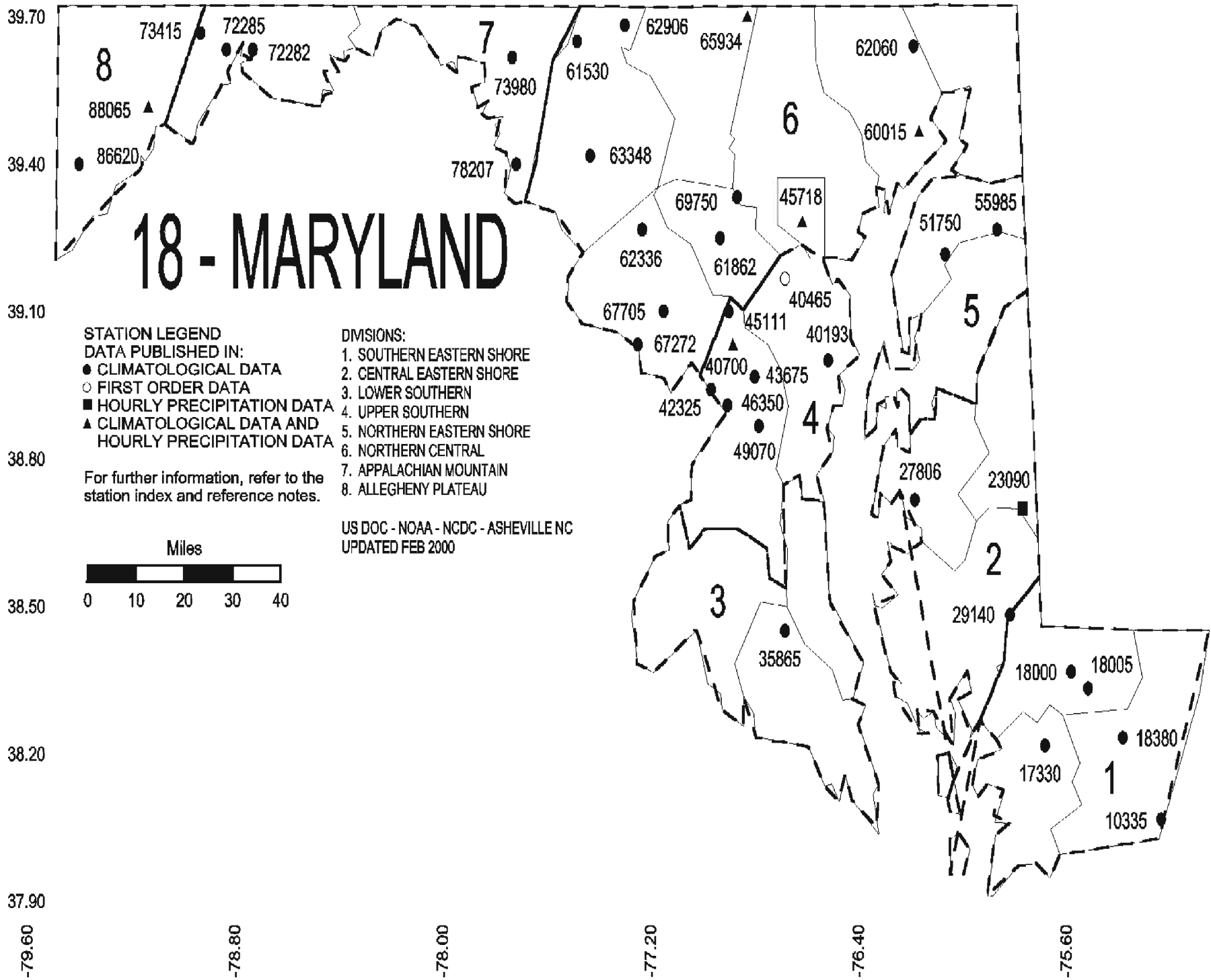
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