



CLIMATOLOGICAL DATA MARYLAND AND DELAWARE

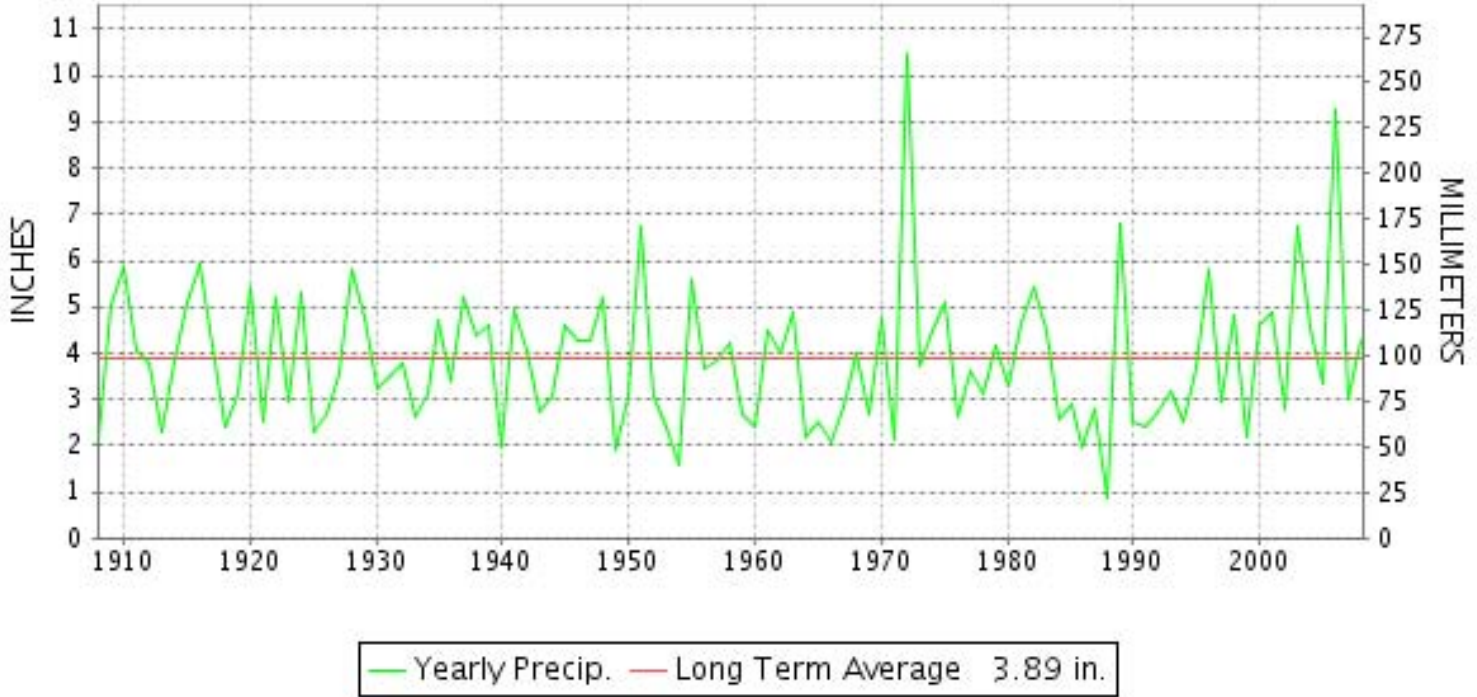


JUNE 2008

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JUNE PRECIPITATION BY YEAR



TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND

HIGHEST TEMPERATURE	101	JUNE 10	CONOWINGO DAM
LOWEST TEMPERATURE	45	JUNE 19+	2 STATIONS
GREATEST TOTAL PRECIPITATION	9.28		OXON HILL
LEAST TOTAL PRECIPITATION	2.78		2 STATIONS
GREATEST 1 DAY PRECIPITATION	3.00	JUNE 4	PRINCESS ANNE

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Asheville, North Carolina

DELAWARE

HIGHEST TEMPERATURE	100	JUNE 10
LOWEST TEMPERATURE	50	JUNE 18
GREATEST TOTAL PRECIPITATION	4.86	
LEAST TOTAL PRECIPITATION	2.45	
GREATEST 1 DAY PRECIPITATION	2.19	JUNE 4

LEWES
BEAR 2 SW
GREENWOOD 2NE
WILMINGTON PORTER RSVR
BEAR 2 SW

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										
FREDERICK 2 NNE	86.0	63.0	74.5		98	11	51	24+	2	295	8	0	0	0	3.45		1.10	5	.0	0		9	1	1
MILLERS 4 NE	82.1	61.2	71.7	2.0	91	10+	48	19	13	220	4	0	0	0	2.78	-.84	1.85	4	.0	0		5	1	1
SMITHSBURG 2NW	83.2	58.3	70.8		93	8	45	19	14	192	4	0	0	0	4.97		1.15	24	.0	0		9	4	2
--DIVISIONAL DATA-----> APPALACHIAN MOUNTAIN 07			73.2	2.5											3.42	-.63			.0					
CUMBERLAND 2	86.2	60.6	73.4	3.2	96	9+	49	19	4	266	8	0	0	0	3.55	.43	.90	1	.0	0		8	3	0
FROSTBURG 2	77.7	57.1	67.4	3.2	89	7	46	19	36	113	0	0	0	0	7.25	3.41	1.98	15	.0	0		13	4	2
SHARPSBURG 5 S	84.3	58.3	71.3		94	11+	47	19+	13	208	6	0	0	0	3.93		1.03	5	.0	0		10	2	1
WILLIAMSPORT	84.2	59.4	71.8		95	10+	46	2	9	222	5	0	0	0	3.15		1.10	1	.0	0		7	2	1
--DIVISIONAL DATA-----> ALLEGHENY PLATEAU 08			71.0	2.5											4.47	.95			.0					
OAKLAND 1 SE	76.6	54.7	65.7	1.4	87	13+	45	2	60	86	0	0	0	0	6.28	1.68	.87	16	.0	0		13	7	0
SAVAGE RIVER DAM	78.4	57.0	67.7	2.2	88	8	46	2	29	117	0	0	0	0	7.29	3.62	1.26	22	.0	0		10	7	3
--DIVISIONAL DATA----->			66.7	2.3											6.79	2.58			.0					
DELAWARE NORTHERN 01																								
BEAR 2 SW	85.3	62.7	74.0		96	10	50	18	2	282	6	0	0	0	3.35		2.19	4	.0	0		5	1	1
WILMINGTON NEW CASTLE R	85.3	64.8	75.1	3.6	96	10	53	19+	0	311	6	0	0	0	2.71	-.88	1.71	4	.0	0		4	2	1
WILMINGTON PORTER RSVR	84.2	65.5	74.9	4.1	96	10	54	19	1	304	5	0	0	0	2.45	-1.61	1.56	4	.0	0		4	1	1
--DIVISIONAL DATA-----> SOUTHERN 02			74.7	3.3											2.84	-1.06			.0					
DOVER	86.6	66.0	76.3	3.4	97	10	55	19	0	349	10	0	0	0	2.60	-1.17	1.08	5	.0	0		5	3	1
GREENWOOD 2NE	85.4	63.1	74.3	3.6	97	11	52	18	0	287	6	0	0	0	4.86	1.30	1.30	5	.0	0		8	5	1
LEWES	88.6	67.4	78.0	5.5	100	10	56	20+	0	399	12	0	0	0	2.46	-.69	1.21	5	.0	0		6	1	1
--DIVISIONAL DATA----->			76.2	4.5											3.31	-.10			.0					

MARYLAND AND DELAWARE
JUNE 2008

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
MARYLAND SOUTHERN EASTERN SHORE 01																																
ASSATEAGUE	5.05	.12		.05	2.91	.25									.01	.48	.03	.06	.22		.21		.24	.04				.08		.35		
PRINCESS ANNE	5.84			1.11	3.00									.17			.38		.05	.30	.09							.04	*	.12	.58	
SALISBURY	3.85		.12		.70	1.15									.20		.75		.07			.07	.21	.58								
SALISBURY FAA AP	4.45	.13		.23	1.70	T			T		T			.11	T	.37	.08	.03			.06	.01	1.06	.02								.65
SNOW HILL 4 N	3.99	.18	.03		.83	1.18									.03					.50		.12		.02	.78							
CENTRAL EASTERN SHORE 02																																
ROYAL OAK 2 SSW	4.61	.06		.08	.93	.60					.55				.55	.45		.22		.02		.15	.18				.66	.16				
VIENNA	3.86		.23		.87	1.38					*	.07			.21	.53		.09					.39	.09								
LOWER SOUTHERN 03																																
MECHANICSVILLE 5 NE	6.12	.73	.05		1.64	1.43				.25		.08				.23	.40				T	T	1.22	.09					T			
SOLOMONS	7.58	T	.31		1.25	1.98		*	.02		*	*	*	*	*	*	*	1.38	.23	T	*	.05	1.83	.32					*	.04	.17	
UPPER SOUTHERN 04																																
BALTIMORE WASH INTL AP R	3.70	.17		.78	.84			.38			.10				.20	.34	T	T			T	.01				T	.85	T	T	.03		
BELTSVILLE	4.58	.67	.21		.47	1.04			.08		.03				.08	.54		.10					.31							1.05		
DALECARLIA RESERVOIR	5.57	.93			.78	2.23			.01		.10				.10	.87		.05			.03		.09	.23						.15		
LAUREL 3 W	3.47	.12		.07	1.32			.35			.13				.14	.42		.06				.04						.20	.44		.18	
MD SCI CTR BALTIMORE R	3.27			1.15	.77						.13				.07	.24						.01					.53	.02	.34	.01		
NATL ARBORETUM DC	7.76	1.52	T		1.30	1.98			.10		.94				.14	.77		.04			.04	.04	.03	.04					.19	.67	T	
OXON HILL	9.28	1.87	.02		1.63	1.02			.31		.24				.21	.94		.09	T		.12	.65	.09						1.45	.64		
UPPER MARLBORO 3 NNW	7.04	1.19			1.08	1.55			.28		.02				.07					T		.14	.69	.08					1.72	.22		
NORTHERN EASTERN SHORE 05																																
CHESTERTOWN	M 2.30			.30	1.54			-	-		.02	.29				.14				T		T	T					.01	T		T	
NORTHERN CENTRAL 06																																
ABERDEEN PHILLIPS FLD	M 4.00	-	.34		1.90	.69					.12				.42	.02							.05						.28	.17	.01	
CATOCTIN MTN PARK	3.01	.01			.60						.05				.14	.06	.05	.06	.06	.01	.10		.99				.50	.01	.34	.03		
CONOWINGO DAM	4.06	.58	.08		.76	.41					.24				.70	.03		.15											.91	.20		
CYLBURN	2.78	.25	.01		.52	.54					.26				*	.47							T						.26	*	.47	
EMMITSBURG 2 SE	2.90	.30	T		1.28	.21	.01		.02		.03				.13	.07		.02			.09		.37					.20	.15	.02		
FREDERICK 2 NNE	3.45	.45			.48	1.10					.22				.24	.19		.01					.33						.19	.17	.07	
MILLERS 4 NE	2.78	T			1.85	.02	T		.01		T	.14			.02	.03	.03	T	.09	.01	.01		T	.12			.26	T	.19			
POTOMAC FLTR PLT	M 5.11	-	-		.73	1.06	.06		.77						.67	.40	.16	.27				.02		.25					.72			
SMITHSBURG 2NW	4.97	.65	.03		.30	.39					.04				.15	.01		.07				.13	.10	1.15				.80	1.10	.05		
APPALACHIAN MOUNTAIN 07																																
CUMBERLAND 2	3.55	.90			.39	.64	.02							.09	.53		.29				.07	.13		.07				.03	.02	.14	.22	

MARYLAND AND DELAWARE
JUNE 2008

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
FROSTBURG 2	7.25	1.33			.34	.72	.10					.25			.49	1.98		.43		.03		.08	.57	.04	.11		.01	.15		.25	.37	
SHARPSBURG 5 S	3.93	.46			.25	1.03		.20				.41			.53		.48					.04	.02	.21					.20	.14		
WILLIAMSPORT	3.15	1.10			.32						.08			.33		.15						.04	.03	.12			.01	.62	.34	.01		
ALLEGHENY PLATEAU 08																																
OAKLAND 1 SE	6.28	.30		.72	.70					.01			.09	.58		.87	.02		.20	.10	.14	.02	.15		.01	.64		.70	.80	.23		
SAVAGE RIVER DAM	7.29	1.26	.07		.86	1.22								.19	.58		.52					1.26		T		T		.12	.97	.24		
DELAWARE																																
NORTHERN 01																																
BEAR 2 SW	3.35	T		.15	2.19	.01				.23				T	T	T	T	.23	.01				.01			T	.49	.03				
WILMINGTON NEW CASTLE R	2.71			.51	1.71	T				.07				.08				.11		T			T		T		T	.23	T	T	T	
WILMINGTON PORTER RSVR	2.45				1.56	T				.20				T	T	.23		.09					T					.33			.04	
SOUTHERN 02																																
DOVER	2.60				.65	1.08									.65														T	.12	.10	
GREENWOOD 2NE	4.86	.82	.09		.59	1.30					.03			.88		.58		.19		.07		.20	T							.11		
LEWES	2.46	.11			.35	1.21								T		.34		.19		.06		.14	.03				.03	T				

MARYLAND AND DELAWARE
JUNE 2008

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	
MARYLAND SOUTHERN EASTERN SHORE 01	MID	MAX	88	75	78	80	81	76	84	97	96	88	86	91	84	83	89	88	87	81	83	84	82	82	85	84	95	91	92	90	80	85.4		
		OBS				***																									***			
ASSATEAGUE M	MID	MIN	63	63	57	62	63	62	66	70	70	69	69	60	69	68	67	66	64	63	55	58	65	62	65	64	69	64	68	66	75	64	64.9	
		OBS			***																									***				
PRINCESS ANNE	17	MAX		76	81	85	87	85			97	99	99	92	98		90	89	83	80	83			87	86	87	94	93			94	88.8		
		MIN		58	51	63	49	57			65	69	67	57	59		57	60	49	50	53			60	58	55	65	68			62	58.7		
SALISBURY	17	MAX	84	84	84	85	83	86	97	97	96	98	97	90	86	89	88	87	85	78	78	83	85	85	84	83	85	90	91	91	89	87.6		
		MIN	65	62	58	63	66	62	69	74	75	75	74	66	65	68	70	65	64	56	57	61	69	65	67	63	64	70	74	72	77	74	67.0	
SALISBURY FAA AP M	MID	MAX	84	77	81	85	79	85	97	94	95	97	87	90	85	90	85	89	82	78	77	83	86	86	85	82	86	92	91	92	91	86	86.6	
		MIN	64	52	50	64	61	59	68	71	69	68	60	57	57	63	60	56	53	47	50	51	62	59	63	57	55	64	68	66	76	63	60.4	
SNOW HILL 4 N	17	MAX	86	84	83	87	84	81	98	96	99	99	92	91	85	92	88	90	89	83	80	85	87	86	85	86	87	94	93	93	93	91	88.9	
		MIN	65	60	58	64	67	63	69	73	73	71	69	62	61	61	69	61	64	53	59	57	65	62	68	61	60	66	71	69	75	73	65.0	
CENTRAL EASTERN SHORE 02	18	MAX	84	80	79	84	83	83	94	94	95	97	96	90	89	90	87	87	82	78	78	81	86	85	85	85	86	90	92	90	90	89	87.0	
		MIN	65	63	60	62	67	63	72	71	75	75	74	61	69	73	71	66	62	55	54	59	64	71	68	51	62	72	72	70	72	74	66.4	
VIENNA	18	MAX	85	88	80	85	86	86	96	96	98	99	94	99	93	90	91	89	89	82	80	85	85	85	85	87	93	93	93	95	90	89.5		
		OBS									***		***																		***			
		MIN	57	56	56	61	66	61	64	72	73	73	73	65	63	70	69	64	63	55	56	60	68	66	66	62	64	71	74	72	77	72	65.6	
		OBS									***		***				86														***			
LOWER SOUTHERN 03	07	MAX	88	83	77	79	84	83	80	95	91	93	95	83	88	88	88	82	86	77	78	75	80	84	83	83	80	84	88	90	86	84.7		
		MIN	63	55	56	60	64	64	65	72	71	71	67	61	62	62	68	62	59	52	52	56	61	62	64	58	61	64	67	68	68	70	62.8	
SOLOMONS	08	MAX	82	86	77	79	86	82		90	96	95									98	80	78	84	82	85	83	85	92	95	91	M		
		MIN	65	60	60	64	61			63	75	76										59	60		68	63	62	66	61	64	61	60	M	
UPPER SOUTHERN 04	MID	MAX	85	79	82	84	82	84	95	93	94	96	86	91	88	90	86	86	77	78	77	84	87	86	87	84	88	93	93	90	88	84	86.6	
		MIN	62	56	55	67	65	66	70	70	74	71	68	62	64	69	68	61	55	52	54	59	65	66	63	58	60	68	70	68	69	65	64	64.0
BELTSVILLE	08	MAX	83	84	78	81	84	89	85	97	95	96	97	86	90	89	89	85	85	75	78	76	82	86	85	82	85	91	90	90	87	86.2		
		MIN	61	53	54	68	64	67	68	68	74	71	70	62	63	69	68	61	61	52	54	59	63	66	67	57	60	66	70	68	68	67	64.0	
DALECARLIA RESERVOIR	08	MAX	86	87	80	84	87	89	87	99	97	99	99	88	92	91	93	86	90	78	82	78	86	88	88	86	84	88	95	93	94	91	88.8	
		MIN	63	56	55	54	63	62	61	59	72	70	72	64	66	63	68	63	61	53	53	58	57	65	62	57	56	64	67	69	67	67	62.2	
LAUREL 3 W M	MID	MAX	84	78	80	83	86	84	96	94	95	97	86	90	89	90	86	87	77	79	76	83	87	86	87	88	88	94	93	91	88	86	86.9	
		MIN	66	55	61	66	65	65	71	70	77	73	68	69	65	70	68	64	61	56	55	60	68	66	66	61	65	71	73	70	71	69	66.2	
MD SCI CTR BALTIMORE M	MID	MAX	86	80	82	86	81	82	99	96	98	99	88	90	88	92	86	89	79	80	77	85	87	85	89	84	89	92	95	92	90	85	87.7	
		MIN	68	61	64	68	67	67	73	77	82	76	73	70	70	73	70	67	64	60	59	64	69	69	69	63	69	72	72	73	74	70	69.1	

MARYLAND AND DELAWARE
JUNE 2008

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	
NATL ARBORETUM DC	07	MAX	84	86	80	81	86	89	86	96	95	96	96	88	91	89	90	86	86	78	80	79	83	86	87	87	83	86	93	91	90	87	87.2	
		MIN	66	60	60	67	64	67	67	70	74	73	68	65	66	70	69	66	62	56	55	60	64	66	67	59	63	70	72	69	69	71	65.8	
OXON HILL	08	MAX	88	85	81	82	87	90	87	98	95	96	97	89	92	89	90	87	87	78	81	78	84	87	86	86	84	87	93	92	92	88	87.9	
		MIN	65	61	58	62	65	67	68	71	73	73	72	65	67	70	70	66	62	57	59	59	64	63	66	59	63	69	71	70	70	72	65.9	
UPPER MARLBORO 3 NNW	08	MAX	88	85	80	80	86	85	84	97	94	96	97	88	92	88	91	85	87	77	79	78	83	86	86	87	82	86	92	93	90	88	87.0	
		MIN	64	57	54	65	64	66	66	69	71	72	69	62	64	68	69	63	61	53	53	58	62	64	65	58	59	68	70	67	69	69	64.0	
NORTHERN EASTERN SHORE 05																																		
CHESTERTOWN	23	MAX	84	79	79	83	80	82	93	93	94	95	85	88	86	87	86	86	77	78	76	81	84	84	86	82	84	90	92	90	87	85	85.2	
		MIN	63	59	58	64	65	62	68	70	76	70	69	65	65	71	70	64	62	57	54	60	65	67	68	60	64	71	71	69	70	68	65.5	
NORTHERN CENTRAL 06																																		
ABERDEEN PHILLIPS FLD	07	MAX	81	84	81	81	84	81	80	94	93	97	98	87	89	88	86	85	87	78	77	77	83	84	85	85	83	87	92	92	91	88	85.9	
		OBS	***	***																														
		MIN	63	58	57	59	68	65	66	70	73	73	68	65	65	69	67	62	63	53	53	56	59	66	70	58	59	63	70	68	69	69	64.1	
		OBS	***																														***	
CATOCTIN MTN PARK	17	MAX	79	82	80	76	85	85	91	92	94	92	92	86	87	88	86	82	71	73	72	78	82	83	82	81	82	83	85	85	83	80	83.2	
		MIN	64	49	59	63	61	64	71	75	72	72	60	61	66	67	62	63	57	54	48	55	60	60	60	54	61	67	66	66	64	63	62.1	
CONOWINGO DAM	07	MAX	79	85	85	87	80	85	81	98	98	101	99	91	94	93	92	90	90	84	81	82	85	90	89	89	86	90	93	96	96	92	89.4	
		MIN	56	56	56	64	66	65	70	70	68	70	73	67	62	67	65	58	58	54	52	52	55	67	70	68	63	70	70	69	70	70	64.0	
CYLBURN	20	MAX	75	80	75	81	82	81	80	93	90	92	83	83	88	87	85	80	82	74	76	73	82	83	84	86	80	85	87	90	88	85	83.0	
		OBS										95																						
		MIN	66	54	61	63	64	64	64	72	77	73	63	62	65	68	66	63	58	55	53	55	60	65	66	54	60	64	70	67	67	66	63.5	
EMMITSBURG 2 SE	07	MAX	79	80	75	80	76	84	81	91	91	91	91	84	87	86	85	82	78	72	75	72	78	83	83	82	78	82	85	90	90	84	82.5	
		MIN	49	51	53	58	66	65	65	71	73	69	64	60	61	65	62	60	57	52	49	51	51	64	63	55	56	58	60	63	65	62	59.9	
FREDERICK 2 NNE	07	MAX	79	83	79	83	81	90	88	96	96	97	98	86	90	89	89	85	81	74	77	75	82	87	87	85	82	86	90	89	90	86	86.0	
		MIN	61	53	56	59	64	67	67	73	73	72	65	62	63	65	66	63	61	54	51	56	60	66	66	51	60	63	70	68	68	68	63.0	
MILLERS 4 NE	18	MAX	79	75	78	77	82	83	91	90	91	91	82	85	85	86	82	81	72	73	72	77	83	83	82	78	82	86	87	85	84	81	82.1	
		MIN	59	51	57	63	63	62	68	70	73	67	65	61	62	67	65	59	56	49	48	51	56	62	63	57	57	66	66	65	64	64	61.2	
SMITHSBURG 2NW	08	MAX	76	80	76	80	76	87	88	93	92	92	91	84	88	88	87	86	78	78	74	73	80	85	83	81	79	82	86	84	86	83	83.2	
		MIN	58	47	50	60	60	63	68	70	68	68	59	57	59	60	64	58	54	50	45	46	54	56	56	51	53	59	64	64	63	64	58.3	
		OBS			50																													
APPALACHIAN MOUNTAIN 07																																		
CUMBERLAND 2	18	MAX	82	83	84	73	92	96	96	95	96	94	89	90	91	83	87	85	82	75	77	81	86	84	84	83	87	88	87	89	86	82	86.2	
		MIN	60	51	53	64	63	66	65	73	69	67	61	59	63	67	62	62	57	51	49	52	55	60	60	52	58	61	67	66	65	61	60.6	
FROSTBURG 2	07	MAX	74	74	75	77	72	83	89	87	86	88	85	80	84	81	73	77	74	64	67	68	75	79	76	76	72	77	81	77	81	78	77.7	
		MIN	57	48	51	53	62	62	64	69	68	65	56	56	58	63	59	59	53	48	46	48	51	56	56	51	53	55	62	64	61	58	57.1	
SHARPSBURG 5 S	07	MAX	77	82	78	82	79	88	86	94	94	94	94	85	89	88	87	84	78	72	75	75	81	85	84	82	80	85	90	87	90	85	84.3	
		MIN	59	47	48	53	60	61	68	68	67	68	59	58	59	62	65	58	56	50	47	48	54	57	59	52	53	56	64	65	64	63	58.3	
WILLIAMSPORT	06	MAX	78	82	77	81	77	86	86	95	94	95	93	85	88	88	86	85	78	72	75	75	82	84	85	84	82	85	90	85	88	85	84.2	
		OBS					***																											

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		
ALLEGHENY PLATEAU 08 OAKLAND 1 SE		MIN OBS	59 46	46	51	54	60 ***	62	63	69	68 ***	68	51	60	59	62	66	60	57	53	49	50	53	59	62	57	59	60	66	67	66	66	59.4		
	07	MAX OBS	73	73	77	69	66 83	86	87	86	87	84	80	81	87	77	78	70	63	69	68	72	78	77	75	74	78	82	79	81	76	66	76.6		
SAVAGE RIVER DAM		MIN OBS	56 41	45	48	52	58	59	65	63	61	54	51	58	58	59	54	54	51	49	49	48	54	55	47	48	53	62	64	61	59	46	54.7		
	08	MAX MIN	74 57	77 46	73 49	76 51	69 62	83 62	86 61	88 63	87 65	87 64	85 58	82 55	82 58	85 62	79 61	79 56	74 55	66 50	70 50	70 50	73 51	78 55	78 55	77 53	75 53	77 55	82 64	80 64	82 64	78 60	78.4 57.0		
DELAWARE NORTHERN 01																																			
BEAR 2 SW M	MID	MAX MIN	83 61	79 59	82 55	83 64	79 64	80 61	95 65	94 73	95 72	96 66	85 61	88 65	83 64	88 60	85 60	87 56	78 50	78 52	75 54	81 60	86 66	85 66	85 66	81 58	85 56	89 66	93 69	90 69	87 70	84 66	85.3 62.7		
WILMINGTON NEW CASTLE M	MID	MAX MIN	84 63	80 57	81 59	82 64	77 64	76 64	92 67	94 73	95 76	96 73	86 68	90 64	84 67	89 69	87 70	87 63	79 57	77 53	76 53	81 57	85 61	84 69	85 66	83 60	85 60	89 70	93 70	89 71	89 67	85 64.8			
WILMINGTON PORTER RSVRM	MID	MAX MIN	81 64	77 57	80 60	80 62	76 62	79 62	92 66	93 74	95 77	96 72	86 68	86 70	87 65	88 70	82 69	86 67	78 62	76 57	74 54	80 64	87 64	84 68	84 59	79 62	84 65	86 69	91 70	88 69	88 70	84 67	84.2 65.5		
SOUTHERN 02																																			
DOVER	16	MAX MIN	83 64	83 60	80 60	83 62	85 64	76 61	95 66	95 72	94 76	97 76	95 72	88 67	88 64	90 68	90 71	87 66	86 62	78 56	76 55	83 60	86 66	84 65	82 68	82 62	84 63	88 69	91 74	91 70	90 72	87 70	86.6 66.0		
GREENWOOD 2NE	07	MAX MIN	86 64	83 56	78 56	80 57	84 65	77 59	83 61	95 69	93 72	95 73	97 70	87 61	89 62	88 65	89 69	85 62	86 62	79 52	76 55	76 57	81 59	84 63	84 65	84 61	80 58	84 63	88 68	92 68	91 72	89 70	85.4 63.1		
LEWES	17	MAX MIN OBS	85 66	85 63	85 62	88 64	83 62	76 61	92 67	96 77	98 77	100 78	99 73	86 68	85 65	91 69	92 71	89 67	87 64	87 56	79 56	83 56	86 68	86 68	84 69	83 64	86 65	93 71	95 74	94 72	93 76	91 74	88.6 67.4		

PAN EVAPORATION AND WIND

STATION		DAY OF MONTH																															TOTAL OR 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	
MARYLAND UPPER SOUTHERN 04 BELTSVILLE	WIND	41	54	41	99	40	52	*	63	49	44	55	33	19	68	*	88	47	64	66	30	*	*	129	40	53	29	44	43	*	103	1394	
	EVAP	12	27	25	18	28	24	*	42	30	34	31	28	19	32	*	42	19	24	24	17	*	*	74	21	27	22	14	43	*	53	7.30	
	MAX	89	96	97	93	98	105	-	108	106	108	108	104	106	98	-	99	93	88	88	91	-	-	102	100	85	97	99	101	-	101	98.4	
	MIN	73	67	68	76	75	76	-	77	83	83	78	73	74	76	-	74	71	65	65	67	-	-	72	69	70	70	78	79	-	78	73.5	
	UPPER MARLBORO 3 NNW	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
	EVAP	-	-	22	20	24	*	*	*	*	*	*	*	*	*	*	251	-	26	22	17	*	44	21	22	26	26	19	*	61	29	7.00	
	MAX	91	92	94	88	95	99	93	104	102	104	104	99	102	99	99	97	94	92	90	93	95	101	101	99	92	95	97	98	97	96	96.7	
	MIN	66	59	60	61	66	67	70	74	75	76	72	68	69	69	70	66	64	59	59	61	63	66	67	62	63	65	69	69	70	69	66.5	

Evaporation: Is measured in hundredths of inches.

Wind: Is measured in miles.

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

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 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 AGRICULT RES SVC
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	20	20		H	CYLBURN ARBORETUM
DALECARLIA RESERVOIR	2325	04	PRINCE GEORG	38 56	77 7W	150	08	08		H	USA CORPS OF ENGINEERS
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 EAST 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	17	17		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
DELAWARE											
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	DANIEL M SWARTZENTRUBER
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 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 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)

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."

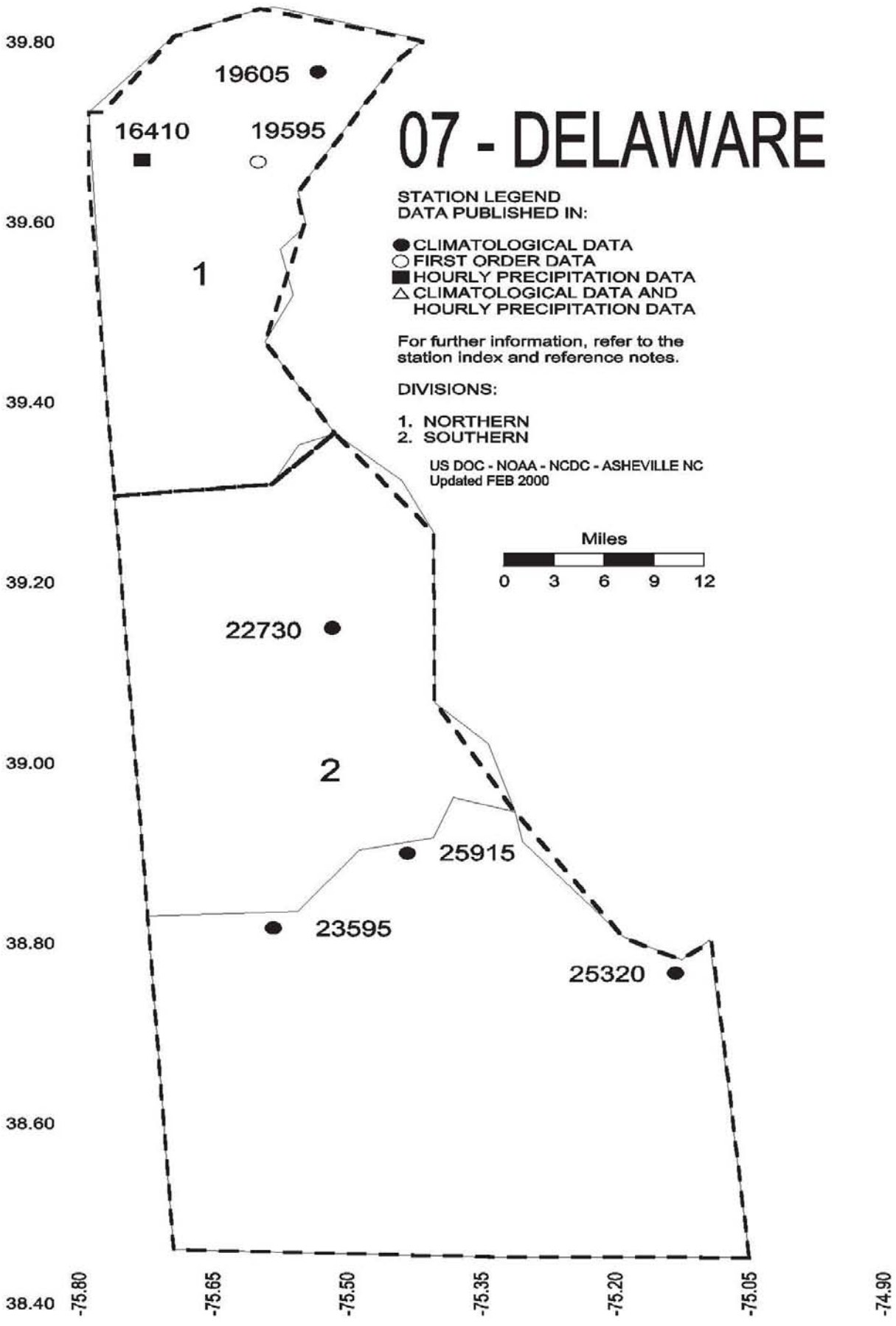
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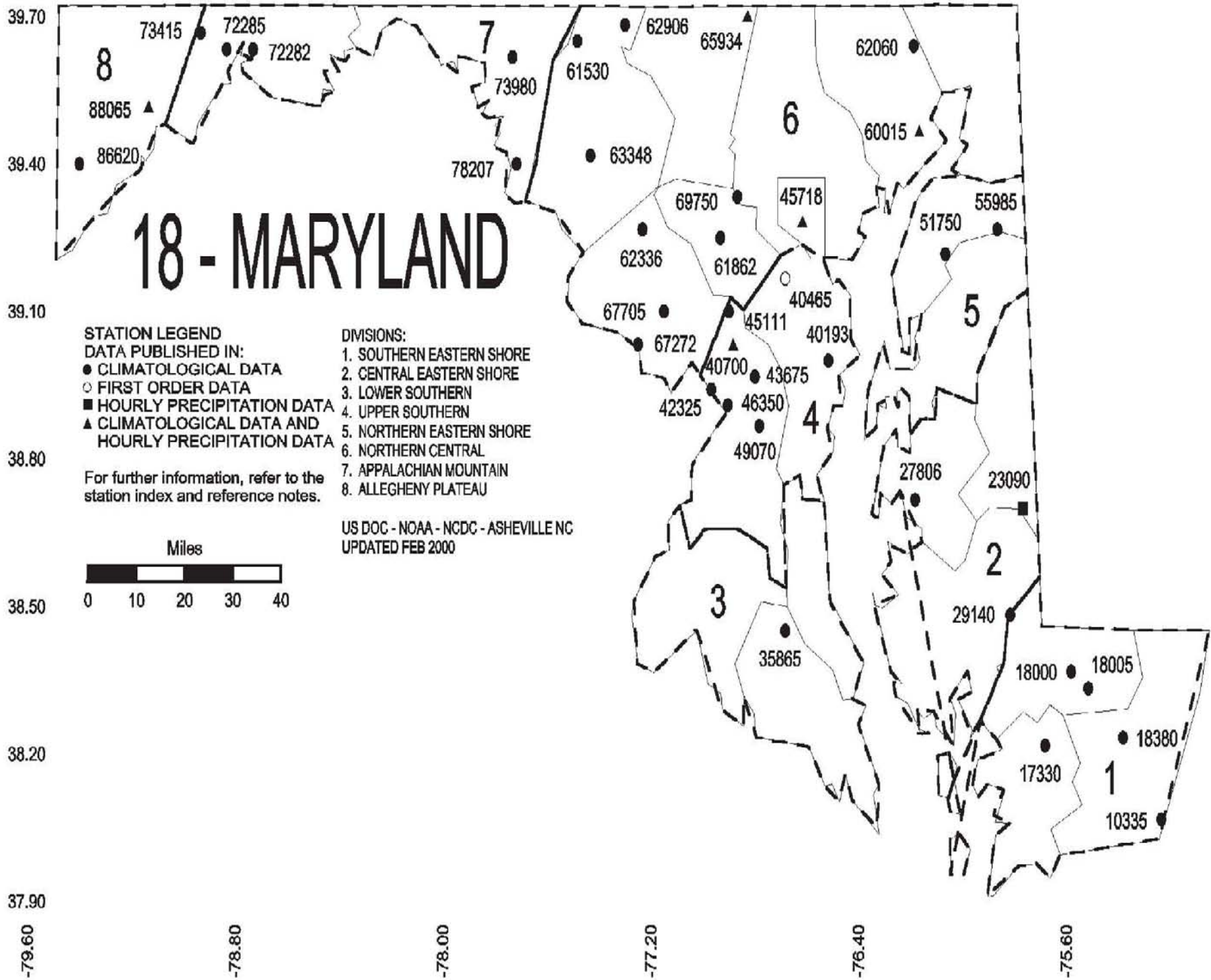
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Hourly Precipitation Data

This publication contains hourly precipitation amounts obtained from recording rain gages located at National Weather Service, Federal Aviation Administration, and cooperative observer stations. Published data are displayed in inches and tenths or inches and hundredths at local standard time. HPD includes maximum precipitation for nine (9) time periods from 15 minutes to 24 hours, for selected stations.

Climatological Data

Monthly editions contain station daily maximum and minimum temperatures and precipitation. Some Stations provide daily snowfall, snow depth, evaporation, and soil temperature data. Each edition also contains monthly summaries for heating and cooling degree days (65 degree F base). The July issue contains a recap of monthly heating degree days and snow data for the preceding July through June.

The Annual issue contains monthly and annual averages of temperature, precipitation, temperature extremes, freeze data, soil temperatures, evaporation, and a recap of monthly cooling degree days.

Storm Data

Monthly issues contain a chronological listing, by states, of occurrences of storms and unusual weather phenomena. Reports contain information on storm paths, deaths, injuries, and property damage. An "Outstanding storms of the month" section highlights severe weather events with photographs, illustrations, and narratives. The December issue includes annual tornado, lightning, flash flood, and tropical cyclone summaries.

Monthly Climatic Data for the World

This publication contains monthly means for temperature, pressure, precipitation, vapor pressure, and sunshine for approximately 2,000 surface data collection stations worldwide and monthly mean upper air temperatures, dew point depressions, and wind velocities for approximately 500 observing sites.

Local Climatological Data

LCD publications summarize temperature, relative humidity, precipitation, cloudiness, wind speed and direction observations for several hundred cities in the U.S. and its territories. Each monthly publication also contains 3 hourly weather observations for that month and a hourly summary of precipitation. Annual LCD publications contain a summary of the past calendar year as well as historical averages and extremes.

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