CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

OCTOBER 2010

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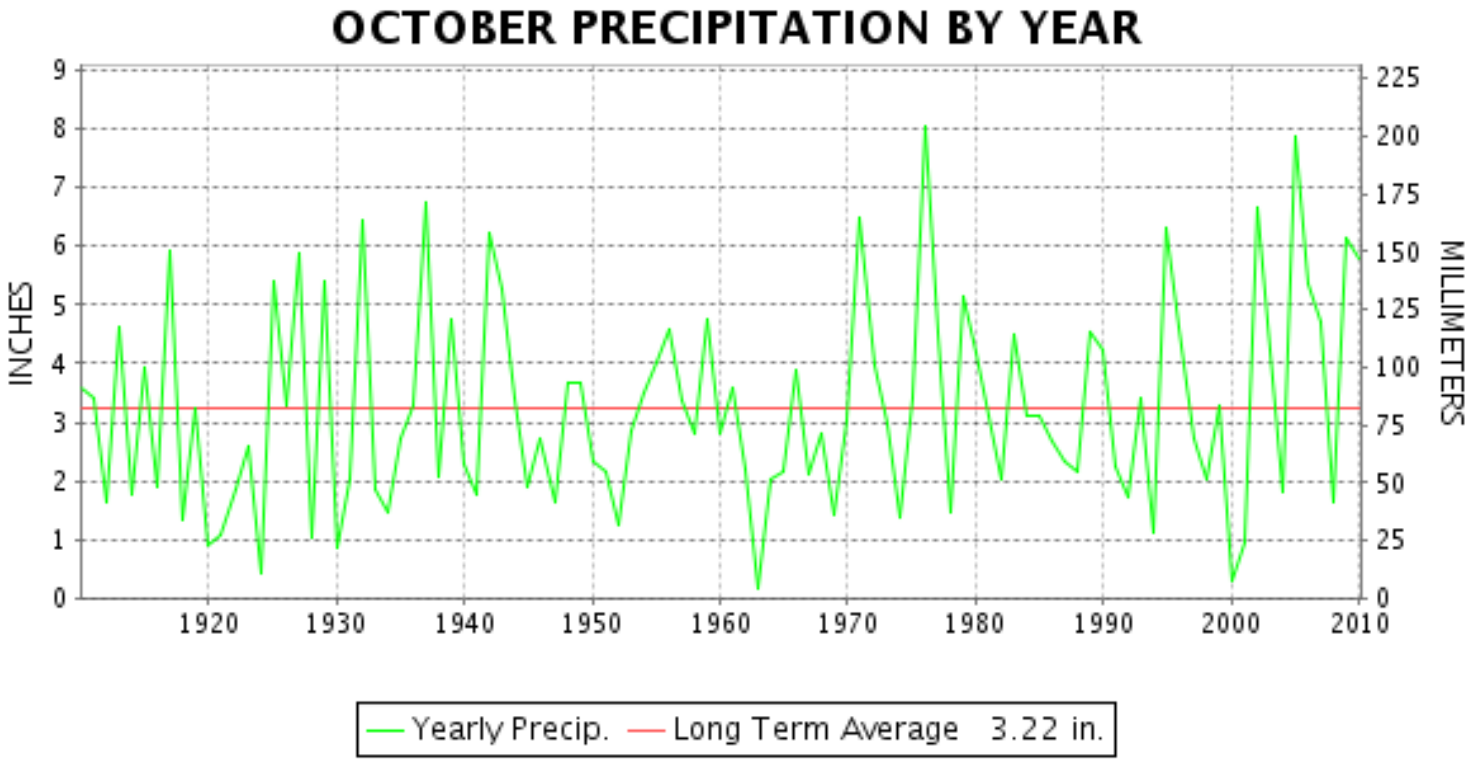

TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND

HIGHEST TEMPERATURE	89	OCTOBER 11	SNOW HILL 4 N
LOWEST TEMPERATURE	26	OCTOBER 30	OAKLAND 1 SE
GREATEST TOTAL PRECIPITATION	10.09		SOLOMONS
LEAST TOTAL PRECIPITATION	1.85		WILLIAMSPORT
GREATEST 1 DAY PRECIPITATION	6.26	OCTOBER 1	SOLOMONS

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Asheville, North Carolina

DELAWARE

HIGHEST TEMPERATURE	84	OCTOBER 11	DOVER
LOWEST TEMPERATURE	33	OCTOBER 23	BEAR 2 SW
GREATEST TOTAL PRECIPITATION	7.60		DOVER
LEAST TOTAL PRECIPITATION	2.32		WILMINGTON PORTER RES
GREATEST 1 DAY PRECIPITATION	5.21	OCTOBER 1	DOVER

MARYLAND AND DELAWARE
OCTOBER 2010

MONTHLY STATION AND DIVISION SUMMARY

STATION	TEMPERATURE (°F)														PRECIPITATION (IN)									
											NO. OF DAYS								ICE PELLETS, SNOW			NO. OF DAYS		
											MAX		MIN											
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEG. DAYS	COOLING DEG. DAYS	>=90	<=32	<=32	<=0	TOTAL	DEPARTURE FROM NORMAL	GREATEST 24 HOURS	DATE	TOTAL	MAX DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
MARYLAND SOUTHERN EASTERN SHORE 01																								
ASSATEAGUE	71.2	54.4	62.8	3.2	83	9	38	23	104	44	0	0	0	0	4.44	1.14	1.81	3	.0	0		7	2	2
PRINCESS ANNE	M	M	M		85	11	36	22			0	0	0	0	6.64	3.33	2.56	1	.0	0		4	4	2
SALISBURY	72.0	51.8	61.9	2.8	85	11	38	23	141	51	0	0	0	0	6.48	3.05	2.60	1	.0	0		8	3	3
SALISBURY FAA AP	68.8	48.9	58.9	1.3	85	11	34	23	218	36	0	0	0	0	6.34	2.70	1.74	20	M	M		6	5	3
SNOW HILL 4 N	73.2	49.2	61.2	2.8	89	11	33	23	168	57	0	0	0	0	5.21	1.79	1.23	28	.0	0		8	4	2
--DIVISIONAL DATA-------->			61.2	2.9											5.82	2.45			.0					
CENTRAL EASTERN SHORE 02																								
ROYAL OAK 2 SSW	69.8	50.8	60.3	.5	86	11	38	23	174	35	0	0	0	0	7.62	4.16	3.92	1	.0	0		6	4	3
VIENNA	M	M	M																M	M				
--DIVISIONAL DATA-------->			60.3	2.1											7.62	4.38			.0					
LOWER SOUTHERN 03																								
MECHANICSVILLE 5 NE	66.2	46.9	56.6	-.1	81	12	33	31+	270	15	0	0	0	0	3.15	-.77	.98	15	.0	0		6	3	0
SOLOMONS	68.6	54.7	61.7		81	28	42	30	141	46	0	0	0	0	10.09		6.26	1	.0	0		6	4	1
--DIVISIONAL DATA-------->			59.2	2.3											6.62	3.14			.0					
UPPER SOUTHERN 04																								
BALTIMORE WASH INTL AP R	68.4	46.9	57.7	2.3	85	11	35	30+	243	19	0	0	0	0	2.95	-.21	.87	27	.0	0		5	3	0
BELTSVILLE	68.8	48.1	58.5	2.4	85	12	34	30	218	22	0	0	0	0	5.01	1.45	2.23	1	.0	0		6	3	2
DALECARLIA RSVR	68.5	47.7	58.1	.8	85	12	36	31+	226	19	0	0	0	0	6.27	2.79	2.00	1	.0	0		7	6	1
LAUREL 3 W	M	M	M																M	M				
MD SCI CTR BALTIMORE R	69.0	53.4	61.2		85	11	42	30	146	39	0	0	0	0	2.78		.88	14	M	M		5	3	0
NATL ARBORETUM DC	70.7	49.6	60.2	3.6	86	12	38	30	174	32	0	0	0	0	6.70	3.27	2.91	1	.0	0		6	5	3
OXON HILL	69.6	49.2	59.4		87	12	36	31+	196	28	0	0	0	0	6.84		3.56	1	.0	0		6	4	2
UPPER MARLBORO 3 NNW	69.3	47.5	58.4	3.1	87	12	33	31+	221	25	0	0	0	0	5.56	1.90	2.43	1	.0	0		5	4	2
--DIVISIONAL DATA-------->			59.1	2.7											5.16	1.68			.0					
NORTHERN EASTERN SHORE 05																								
CHESTERTOWN	65.9	49.6	57.8	.6	82	11	38	23	233	17	0	0	0	0	M 7.61		4.07	1	.0	0		6	4	2
--DIVISIONAL DATA-------->			57.8	1.3															.0					
NORTHERN CENTRAL 06																								
ABERDEEN PHILLIPS FLD	67.6	47.3	57.5	.2	82	12	36	30+	244	17	0	0	0	0	8.30	4.91	5.51	1	.0	0		7	4	1
CATOCTIN MTN PARK	M	M	M		80	11	40	13			0	0	0	0	2.59	-1.30	1.33	2	.0	0		3	2	1
CONOWINGO DAM	68.3	46.0	57.2	1.6	82	13+	33	30	244	7	0	0	0	0	8.26	4.79	5.90	1	.0	0		7	3	1
CYLBURN	64.7	47.6	56.2		79	12	36	30	274	8	0	0	0	0	6.39		3.51	1	.0	0		5	2	1
DAMASCUS 3 SSW	65.5	48.2	56.9		83	11	36	30	255	13	0	0	0	0	3.65		1.02	14	.0	0		6	3	1

MARYLAND AND DELAWARE
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MONTHLY STATION AND DIVISION SUMMARY

STATION	TEMPERATURE (°F)														PRECIPITATION (IN)									
											NO. OF DAYS								ICE PELLETS, SNOW			NO. OF DAYS		
											MAX		MIN											
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEG. DAYS	COOLING DEG. DAYS	>=90	<=32	<=32	<=0	TOTAL	DEPARTURE FROM NORMAL	GREATEST 24 HOURS	DATE	TOTAL	MAX DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
EMMITSBURG 2 SE	66.0	44.8	55.4	.5	81	12	33	30	298	10	0	0	0	0	4.22	.74	2.15	1	.0	0		6	2	1
FREDERICK 2 NNE	68.5	46.6	57.6		85	12	38	31+	238	14	0	0	0	0	4.55		2.22	1	.0	0		6	3	1
MILLERS 4 NE	66.9	45.8	56.4	1.4	82	11	31	30	273	7	0	0	1	0	3.91	.47	1.13	1	.0	0		5	4	1
SMITHSBURG 2NW	65.8	44.1	55.0		81	12	34	24+	309	5	0	0	0	0	5.52		2.90	1	.0	0		7	3	1
--DIVISIONAL DATA-------->			56.5	1.2											5.27	1.76			.0					
APPALACHIAN MOUNTAIN 07																								
CUMBERLAND 2	70.5	45.6	58.1	4.2	85	11+	31	30	222	14	0	0	1	0	2.92	.23	1.93	1	.0	0		5	1	1
FROSTBURG 2	61.9	41.7	51.8	2.5	78	11	32	30	402	0	0	0	1	0	3.52	.31	2.22	1	.0	0		6	1	1
SHARPSBURG 5 S	68.3	42.1	55.2		85	12	30	31+	299	4	0	0	2	0	4.99		2.60	1	.0	0		8	3	2
WILLIAMSPORT	67.5M	43.3M	55.4M		81	13	30	31+	292	1	0	0	2	0	1.85		.67	1	.0	0		6	1	0
--DIVISIONAL DATA-------->			55.1	2.4											3.32	.24			.0					
ALLEGHENY PLATEAU 08																								
OAKLAND 1 SE	61.9	36.9	49.4	-.6	77	12+	26	30	474	0	0	0	7	0	3.32	.20	1.43	1	.0	0		8	2	1
SAVAGE RIVER DAM	63.2	41.2	52.2	2.2	77	12+	30	31+	389	0	0	0	3	0	2.33	-.48	1.72	1	.0	0		4	1	1
--DIVISIONAL DATA-------->			50.8	1.6											2.83	-.20			.0					
DELAWARE NORTHERN 01																								
BEAR 2 SW	66.9	45.6	56.3		82	11	33	23	273	12	0	0	0	0	5.62		3.03	1	.0	0		5	4	1
WILMINGTON NEW CASTLE R	67.3	47.0	57.2	1.4	82	11	37	30+	247	11	0	0	0	0	5.48	2.40	3.26	1	.0	0		6	4	1
WILMINGTON PORTER RES	64.8	48.5	56.7	1.1	78	11	37	30	260	7	0	0	0	0	2.32	-.98	.82	14	.0	0		5	2	0
--DIVISIONAL DATA-------->			56.7	.9											4.47	1.11			.0					
SOUTHERN 02																								
DOVER	69.9	50.5	60.2	1.4	84	11	37	23	175	33	0	0	0	0	7.60	4.34	5.21	1	.0	0		7	3	1
LEWES	M	M	M																M	M				
--DIVISIONAL DATA-------->			60.2	2.9											7.60	4.22			.0					

MARYLAND AND DELAWARE
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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	4.44	.32		1.81	.16										1.18						.43	.01				.01		.34	.18			
PRINCESS ANNE	6.64	2.56	*	*	1.12										.55						1.75							.66				
SALISBURY	6.48	2.60		.30	1.25	.01									.34	.24					1.14	.13						.07	.40			
SALISBURY FAA AP	6.34	1.15		.93	.22		.05								.54	T					1.74					.01		1.70				
SNOW HILL 4 N	5.21	.75		.39	.75			.05							.18	.39	.05				1.15	.19				.01	.02	.05	1.23			
CENTRAL EASTERN SHORE 02																																
ROYAL OAK 2 SSW	7.62	3.92		.16	.68		.03						.06		1.23					T	.16					T	T	1.30	.08			
VIENNA	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER SOUTHERN 03																																
MECHANICSVILLE 5 NE	3.15				.70	.32		.02								.98					T	.21						.55	.37			
SOLOMONS	10.09	6.26		.02	.66	.17	.03								T	*	*	1.10			.22	*	.36				T	.54	.73			
UPPER SOUTHERN 04																																
BALTIMORE WASH INTL AP R	2.95	.02		.26	.62		.02						T		.86	T				.30	T	T				T	T	.87				
BELTSVILLE	5.01	2.23			.60	.13		.02		.01			.05		T	1.02				.01		.04						.46	.44			
DALECARLIA RSVR	6.27	2.00			.90	.90		.05							.25	.85						.05						.52	.75			
LAUREL 3 W	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MD SCI CTR BALTIMORE R	2.78	.06		.25	.50		.01								.88					.40								.68				
NATL ARBORETUM DC	6.70	2.91			.66	.18		.05							.05	1.17				T		.05			T		T	.53	1.10			
OXON HILL	6.84	3.56			.56	.21	.01	.02							.02	1.31				.01		.03						.37	.74			
UPPER MARLBORO 3 NNW	5.56	2.43			.84	.08		.02								1.17				.03		.04						.40	.55			
NORTHERN EASTERN SHORE 05																																
CHESTERTOWN	M 7.61	4.07		.14	.81	.04									.71				T	.46	.03					-		1.35				
NORTHERN CENTRAL 06																																
ABERDEEN PHILLIPS FLD	8.30	5.51			.27	.41	.01	.07								.69				.51	.02							.62	.19			
BRIGHTON DAM	3.96	.95		.08	.78	.05									.90					.40								.80				
CATOCTIN MTN PARK	2.59	.56	1.33	.42	.06	.04	.04	.03	.03	.02	.01	.02	.01	.01	.01																	
CONOWINGO DAM	8.26	5.90			.24	.65	.02						.03			.70				.21	.08	.01						.24	.18			
CYLBURN	6.39	3.51		*	*	.93	.01	T								.76				.46	T							.49	.23			
DAMASCUS 3 SSW	3.65	.78		.13	.40		T	.05							1.02				T	.39								.88				
EMMITSBURG 2 SE	4.22	2.15			.07	.25	.17						.03			.99				.18							T	.30	.08			
FREDERICK 2 NNE	4.55	2.22	.01	.01	.15	.15		.02							.04	.94				.18	.02							.75	.05	.01		
MILLERS 4 NE	3.91	1.13			.74	.04	.03	.09					.06		.73	T				.17	.01					T		.91				
POTOMAC FLTR PLT	3.26	2.28					.02								.29					.22								.33	.12			
SMITHSBURG 2NW	5.52	2.90			.15	.28	.05	.10					.04			.95				.20								.85				
APPALACHIAN																																

MARYLAND AND DELAWARE
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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
MOUNTAIN 07																																
CUMBERLAND 2	2.92	1.93			.18	.06		.02							.14		.07			.22			T				.03	.27				
FROSTBURG 2	3.52	2.22			.06	.10	.02	.17							.20	.05	.07			.32			.01				.06	.24			T	
SHARPSBURG 5 S	4.99	2.60	T		.23	.14	.02	.10							.13	1.00				.19	.01						T	.55	.02			
WILLIAMSPORT	1.85	.67			.13	.23		.10								.37			*	.13								.20	.02			
ALLEGHENY PLATEAU 08																																
OAKLAND 1 SE	3.32	1.43			.25	.11	.18	.34							.20	.03	.15			.06							.04		.53			
SAVAGE RIVER DAM	2.33	1.72			.02	.04		.06							.14	T				.14		T					.04	.17			T	
DELAWARE																																
NORTHERN 01																																
BEAR 2 SW	5.62	3.03		.09	.58	.05	.06						.03		.73				.04	.44		T						.57				
WILMINGTON NEW CASTLE R	5.48	3.26		.05	.52	.12	T						.03		.73				T	.27		T						.50				
WILMINGTON PORTER RES	2.32			.07	.30	.15							.02		.82					.35								.61				
SOUTHERN 02																																
DOVER	7.60	5.21			.43	.33	.04	.03				.02			.63					.20	.18							.53				
LEWES	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

MARYLAND AND DELAWARE
OCTOBER 2010

DAILY TEMPERATURES (°F)

STATION	OB.TIME	MAX/MIN	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	AVERAGE
MARYLAND SOUTHERN EASTERN SHORE 01																																		
ASSATEAGUE M	MID	MAX	76	73	66	61	65	67	75	77	83	76	81	81	70	70	67	67	72	70	69	59	71	63	70	74	71	73	75	82	71	61	72	71.2
		MIN	63	54	59	53	52	43	54	54	55	53	62	64	60	56	51	52	50	52	58	53	52	40	38	55	61	62	66	66	49	45	54	54.4
PRINCESS ANNE	17	MAX	79			58	62	62	74	75			85	83	77	68	64			69	67	65	68	66			75	75	82	83	78			M
		MIN	55			52	45	40	50	51			60	61	51	46	50			46	50	48	43	36			56	63	64	63	46			M
SALISBURY	16	MAX	78	71	69	69	60	63	74	75	80	79	85	83	80	71	65	65	71	70	70	63	68	68	67	72	76	75	82	80	77	58	67	72.0
		MIN	62	50	55	52	52	42	52	49	51	51	61	63	55	49	49	51	45	47	47	49	51	42	38	53	54	64	69	69	49	39	45	51.8
SALISBURY FAA AP M	MID	MAX	75	70	61	56	59	63	73	75	80	79	85	80	71	61	65	65	71	69	65	54	68	59	66	72	76	74	82	77	59	57	67	68.8
		MIN	56	49	50	51	43	39	48	49	53	51	58	60	49	46	49	46	42	45	48	48	40	37	34	53	59	63	70	58	44	35	43	48.9
SNOW HILL 4 N	17	MAX	79	73	68	61	63	64	76	78	84	83	89	87	82	68	67	66	74	72	66	62	70	67	69	75	77	76	85	81	78	61	69	73.2
		MIN	62	41	47	53	51	38	42	46	48	47	58	58	54	45	47	46	41	43	52	47	50	37	33	56	57	64	69	68	46	34	46	49.2
		OBS																			41													
CENTRAL EASTERN SHORE 02																																		
ROYAL OAK 2 SSW	18	MAX	72	71	64	57	61	64	76	76	81	77	86	80	67	58	65	66	73	67	63	62	68	59	70	75	77	77	81	77	69	60	66	69.8
		MIN	62	49	47	51	51	49	55	46	48	50	58	58	46	45	51	53	43	45	51	48	45	41	38	54	55	62	68	63	49	42	51	50.8
VIENNA	18	MAX																																M
		MIN																																M
LOWER SOUTHERN 03																																		
MECHANICSVILLE 5 NE	07	MAX	75	69	65	61	54	54	59	73	72	76	73	81	78	65	58	61	63	70	63	59	54	64	54	65	70	73	75	79	75	56	57	66.2
		MIN	58	46	46	47	44	44	48	47	47	47	49	57	51	47	46	46	42	42	43	49	49	41	37	37	54	54	61	62	46	33	33	46.9
SOLOMONS	08	MAX	77	71	67	61	56	61	63	75	75	79	78	79	76	66	63	63	65	73	65	60	55	69	57	70	76	76	77	81	78	58	58	68.6
		OBS																													***	***	***	
		MIN	61	54	58	53	47	50	54	56	57	57	63	63	56	56	51	52	50	54	54	54	52	47	46	54	62	63	66	65	52	42	47	54.7
		OBS																								***					***	***	***	
UPPER SOUTHERN 04																																		
BALTIMORE WASH INTL APM	MID	MAX	73	70	64	54	60	60	74	76	81	76	85	81	68	56	63	66	76	65	58	58	68	59	70	75	75	74	76	77	57	60	64	68.4
		MIN	53	46	46	50	50	49	50	44	47	47	55	57	45	44	45	44	42	44	46	45	39	39	35	51	49	62	67	51	41	35	36	46.9
BELTSVILLE	08	MAX	79	71	70	64	55	59	60	74	77	80	78	85	80	69	58	62	66	77	66	60	59	67	58	70	75	75	75	74	77	55	59	68.8
		MIN	60	46	50	50	47	51	48	44	47	48	54	57	49	46	48	49	41	45	50	45	44	39	35	43	49	62	65	57	49	34	38	48.1
DALECARLIA RSVR	08	MAX	78	69	69	62	62	60	60	74	75	80	79	85	81	77	65	59	64	77	62	63	57	62	56	71	71	74	75	74	73	52	57	68.5
		MIN	59	47	48	50	46	50	48	46	48	49	49	56	50	48	45	48	43	43	47	49	47	41	38	37	48	53	64	62	47	36	36	47.7
LAUREL 3 W M	MID	MAX																																M
		MIN																																M
MD SCI CTR BALTIMORE M	MID	MAX	73	70	66	56	61	63	75	77	81	75	85	81	67	60	64	66	77	65	60	60	67	58	71	77	75	72	77	77	57	62	64	69.0
		MIN	59	53	55	52	52	52	53	53	56	58	63	62	52	51	49	51	50	55	51	51	50	47	44	57	56	65	68	54	47	42	47	53.4
NATL ARBORETUM DC	07	MAX	80	73	70	65	55	60	61	75	78	81	77	86	82	69	61	65	70	78	69	65	61	68	61	74	76	76	78	77	80	58	62	70.7
		OBS															***																	

MARYLAND AND DELAWARE
OCTOBER 2010

DAILY TEMPERATURES (°F)

STATION	OB.TIME	MAX/MIN	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	AVERAGE
		MIN	60	47	49	51	49	51	51	46	48	50	52	59	51	49	46	50	43	45	47	49	48	44	41	44	55	60	64	64	49	38	39	49.6
		OBS															***																	
OXON HILL	08	MAX	79	73	71	64	55	61	61	75	78	82	79	87	84	70	59	63	67	75	67	63	59	68	58	70	74	75	75	74	77	56	60	69.6
		MIN	59	47	47	50	48	49	49	47	47	51	52	59	51	51	48	49	45	46	47	51	49	48	38	39	52	60	63	62	48	36	36	49.2
UPPER MARLBORO 3 NNW	08	MAX	77	71	70	62	53	61	62	74	77	81	78	87	82	69	57	64	66	75	68	62	57	68	58	71	76	76	75	76	77	57	61	69.3
		MIN	59	46	46	49	48	49	49	45	46	48	48	57	49	45	47	48	41	44	45	47	46	40	36	38	54	61	64	63	48	33	33	47.5
NORTHERN EASTERN SHORE 05																																		
CHESTERTOWN	23	MAX	70	67	62	53	57	61	72	73	78	71	82	76	63	53	61	64	71	54	57	56	64	57	67	71	74	72	75	76	59	64	64	65.9
		MIN	60	47	48	49	49	48	52	48	53	47	58	57	47	45	49	51	46	45	48	45	47	42	38	52	54	58	66	59	47	44	40	49.6
NORTHERN CENTRAL 06																																		
ABERDEEN PHILLIPS FLD	07	MAX	78	72	69	62	52	58	63	74	76	80	72	82	76	65	56	63	65	75	65	58	61	65	58	67	71	75	72	74	76	58	59	67.6
		OBS																														***	***	
		MIN	61	48	48	50	50	51	51	46	46	45	46	54	48	47	47	47	42	43	43	45	45	40	36	36	50	52	65	66	46	36	37	47.3
		OBS																														***	***	
CATOCTIN MTN PARK	17	MAX	65	65	60	56	50	50	66	73	76	77	80	73	64	54																		M
		MIN	54	41	42	45	42	42	48	46	57	44	60	55	40	41																		M
CONOWINGO DAM	07	MAX	72	74	71	66	54	60	63	74	74	78	70	82	82	70	54	63	65	75	67	59	60	66	65	71	72	72	73	72	74	59	61	68.3
		MIN	56	48	47	50	49	49	48	45	44	46	45	58	46	42	43	48	40	40	44	45	48	44	35	38	48	50	60	58	44	33	34	46.0
CYLBURN	08	MAX	75	66	64	60	50	55	58	69	72	74	73	79	75	61	54	58	61	72	62	57	57	62	53	68	73	71	71	72	74	53	56	64.7
		OBS																													***	***	***	
		MIN	58	46	46	48	47	48	48	48	48	47	50	58	45	44	46	46	47	44	47	44	44	45	41	43	50	57	61	59	45	36	40	47.6
		OBS																													***	***	***	
DAMASCUS 3 SSW	22	MAX	68	67	62	50	56	57	71	74	77	75	83	78	65	54	61	63	74	63	56	57	63	56	68	75	71	70	71	74	55	58	60	65.5
		MIN	57	45	43	47	45	47	50	46	56	48	56	58	44	47	44	48	47	45	47	45	44	40	39	51	57	61	62	55	43	36	42	48.2
EMMITSBURG 2 SE	07	MAX	77	69	65	66	53	56	57	69	74	77	75	81	76	63	55	60	63	73	62	59	59	61	56	70	74	72	73	68	72	53	58	66.0
		MIN	58	44	45	47	46	47	47	46	44	46	46	59	45	41	45	47	45	42	41	38	38	40	35	40	47	46	61	55	42	33	34	44.8
FREDERICK 2 NNE	07	MAX	78	71	70	66	54	59	58	72	78	81	78	85	79	67	60	61	66	77	64	61	61	64	58	73	78	72	74	73	74	54	59	68.5
		MIN	60	46	45	46	47	49	50	46	46	48	48	58	47	45	46	48	45	42	43	41	40	41	40	43	48	48	62	53	48	38	38	46.6
MILLERS 4 NE	18	MAX	74	67	65	59	54	57	70	73	78	76	82	76	70	59	60	63	73	68	59	60	63	56	69	75	71	68	71	72	66	59	60	66.9
		OBS																															***	
		MIN	56	42	43	46	46	47	48	45	53	42	55	54	39	39	42	47	43	40	45	40	45	39	35	49	51	58	63	54	44	31	38	45.8
		OBS																															***	
SMITHSBURG 2NW	08	MAX	79	65	68	64	50	53	56	68	74	78	77	81	75	65	57	63	65	72	60	59	57	69	54	69	75	67	71	71	69	50	59	65.8
		OBS																														62		
		MIN	56	41	43	46	43	46	46	41	42	42	46	52	40	39	44	48	49	38	37	37	37	43	34	34	50	55	55	57	42	37	47	44.1
APPALACHIAN MOUNTAIN 07																																		
CUMBERLAND 2	18	MAX	70	70	68	65	56	57	72	80	85	85	85	81	75	66	60	66	75	72	65	66	62	59	77	81	74	76	78	71	62	65	62	70.5
		MIN	56	42	47	47	46	47	51	42	47	47	56	54	42	47	43	48	45	40	47	35	37	42	34	46	48	50	58	43	45	31	51	45.6
FROSTBURG 2	07	MAX	62	60	65	58	48	50	49	63	71	74	78	76	72	66	54	52	57	67	60	56	60	55	51	69	74	65	69	69	64	43	61	61.9

MARYLAND AND DELAWARE
OCTOBER 2010

DAILY TEMPERATURES (°F)

STATION	OB.TIME	MAX/MIN	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	AVERAGE
		MIN	51	40	39	44	40	40	41	43	43	49	49	54	39	39	40	40	42	41	39	35	35	36	35	34	51	50	50	51	38	32	33	41.7
		OBS																								46								
SHARPSBURG 5 S	07	MAX	75	70	69	67	53	56	59	72	78	81	81	85	80	67	59	61	65	76	62	62	62	64	57	73	78	72	74	70	74	53	61	68.3
		MIN	57	42	42	41	43	47	46	41	41	45	46	51	41	40	40	40	39	39	39	38	38	37	33	33	47	49	53	53	43	30	30	42.1
WILLIAMSPORT	06	MAX	74	72	70	68	55	56	58						81	68	62	61	67		62		63	64	59	72	80	80	73	72	73	67	64	67.5
		MIN	58	45	44	47	45	48	49						48	44	46	46	41		40		39	38	33	33	47	45	50	47	45	30	30	43.3
ALLEGHENY PLATEAU 08																																		
OAKLAND 1 SE	07	MAX	64	60	64	54	52	44	49	63	70	74	77	77	73	73	57	52	58	67	62	57	58	53	50	69	73	67	67	76	62	40	57	61.9
		MIN	49	32	33	43	40	39	39	34	35	41	43	45	36	36	37	38	39	37	37	28	28	34	30	32	40	44	40	45	36	26	28	36.9
SAVAGE RIVER DAM	08	MAX	64	61	62	58	53	50	52	64	70	75	77	77	74	67	57	55	59	69	61	58	59	56	52	70	72	72	74	74	64	46	58	63.2
		MIN	54	40	39	46	45	45	45	41	41	46	46	51	40	39	41	42	41	38	38	32	33	40	35	36	45	45	49	42	42	30	30	41.2
DELAWARE																																		
NORTHERN 01																																		
BEAR 2 SW M	MID	MAX	71	69	66	54	57	60	74	73	78	71	82	76	66	56	62	64	74	65	59	61	65	57	67	71	75	72	76	76	58	58	62	66.9
		MIN	52	44	47	50	50	47	51	43	47	43	53	57	43	42	47	41	38	40	44	42	38	36	33	47	46	60	66	54	44	34	36	45.6
WILMINGTON NEW CASTLE M	MID	MAX	72	69	66	53	58	62	74	76	79	71	82	76	65	57	64	64	74	65	59	61	67	57	67	71	75	70	77	76	58	57	63	67.3
		MIN	54	46	48	50	50	49	50	48	51	46	55	55	44	44	46	45	38	43	46	43	39	38	37	50	49	60	65	51	43	37	38	47.0
WILMINGTON PORTER RES M	MID	MAX	69	65	63	51	55	60	70	72	74	69	78	72	61	62	60	62	71	62	56	60	63	63	65	69	73	69	74	73	54	55	60	64.8
		MIN	55	48	49	49	49	48	48	48	52	47	56	58	45	45	45	49	43	48	48	46	45	43	41	52	52	60	65	54	40	37	39	48.5
SOUTHERN 02																																		
DOVER	16	MAX	75	69	68	63	59	63	72	75	78	78	84	83	78	58	63	65	73	70	62	57	66	62	69	74	75	74	79	77	73	59	65	69.9
		MIN	52	47	54	52	48	45	49	51	53	49	60	58	56	45	45	49	46	46	49	49	45	42	37	56	56	60	67	64	54	39	42	50.5
LEWES	17	MAX																																M
		MIN																																M

MARYLAND AND DELAWARE
OCTOBER 2010

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	104	75	*	97	79	63	47	54	*	56	17	15	30	17	34	*	155	33	22	10	22	53	47	29	24	101	12	141	105	80	80	1602
	EVAP	0	22	*	40	9	9	5	20	*	31	11	8	16	12	4	*	30	19	7	1	3	13	14	13	9	12	0	9	25	14	15	3.71
	MAX	92	93	-	91	91	78	89	90	-	94	94	97	98	92	77	-	86	70	88	82	80	86	83	88	94	94	93	96	98	82	84	88.6
	MIN	77	77	-	67	66	66	68	68	-	68	73	77	73	72	67	-	66	68	68	72	71	67	63	65	73	76	86	86	70	65	65	70.7
UPPER MARLBORO 3 NNW	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
	EVAP	-	*	*	32	4	9	8	*	*	*	55	14	12	12	*	*	*	44	12	2	3	11	*	*	33	11	0	8	20	-	-	3.21
	MAX	77	76	79	67	56	66	68	75	78	79	79	85	83	77	59	67	69	72	71	65	58	67	64	68	73	74	71	74	76	60	61	70.8
	MIN	64	51	51	52	49	49	50	50	51	54	55	61	55	53	48	45	45	47	51	51	49	44	41	41	53	56	60	64	46	39	39	50.5

Evaporation: Is measured in hundreths of inches.
Wind: Is measured in miles.
Max and Min: The maximum and minimum tempertures (Fahrenheit) of the water in the evaporation pan.

STATION INDEX

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES LOCAL STD TIME TEMP	PRECIP	EVAP	SPECIAL SEE (NOTES)	OBSERVER
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 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	07		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
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
LEWES	5320	02	SUSSEX	38 47	75 8W	15	17	17		H	LEWES POWER PLANT
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."

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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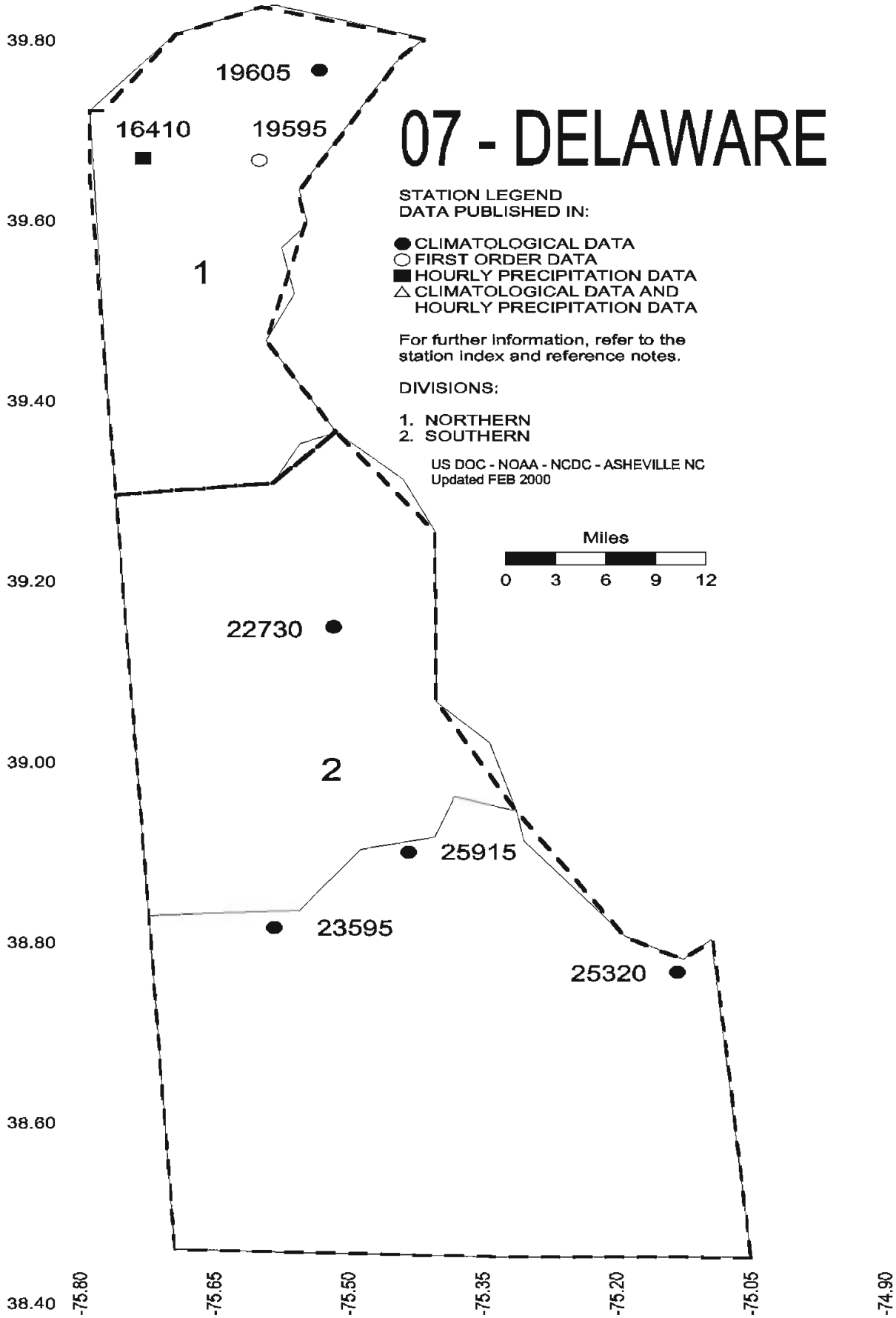
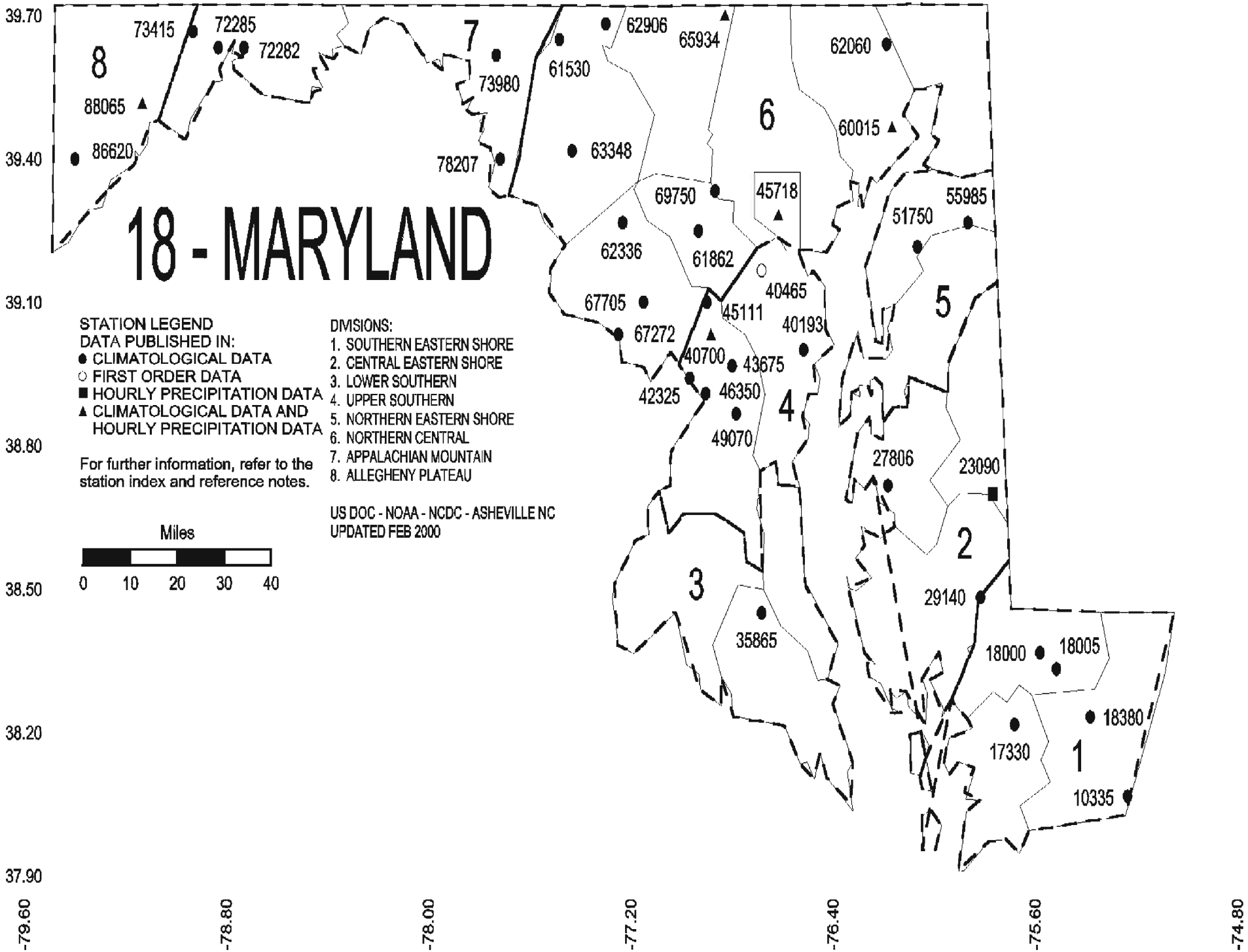

07 - DELAWARE
STATION LEGEND
DATA PUBLISHED IN:
CLIMATOLOGICAL DATA
FIRST ORDER DATA
HOURLY PRECIPITATION DATA
CLIMATOLOGICAL DATA AND HOURLY PRECIPITATION DATA
For further information, refer to the station index and reference notes.
DIVISIONS:
1. NORTHERN
2. SOUTHERN
US DOC - NOAA - NCDC - ASHEVILLE NC
Updated FEB 2000
Miles
0 3 6 9 12
19605
16410
19595
1
22730
2
25915
23595
25320
39.80
39.60
39.40
39.20
39.00
38.80
38.60
38.40
-75.80
-75.65
-75.50
-75.35
-75.20
-75.05
-74.90


18 - MARYLAND
STATION LEGEND
DATA PUBLISHED IN:
● CLIMATOLOGICAL DATA
○ FIRST ORDER DATA
■ HOURLY PRECIPITATION DATA
▲ CLIMATOLOGICAL DATA AND HOURLY PRECIPITATION DATA
For further information, refer to the station index and reference notes.
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
US DOC - NOAA - NCDC - ASHEVILLE NC
UPDATED FEB 2000
Miles
0 10 20 30 40
39.70
39.40
39.10
38.80
38.50
38.20
37.90
-79.60
-78.80
-78.00
-77.20
-76.40
-75.60
-74.80
1
2
3
4
5
6
7
8
73415
72285
72282
73980
88065
86620
78207
61530
62906
65934
62060
60015
63348
69750
45718
55985
51750
62336
61862
40465
67705
45111
40193
67272
40700
43675
42325
46350
49070
27806
23090
29140
35865
18000
18005
18380
17330
10335

These and other publications are available from the National Climatic Data Center

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 summmarize 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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