CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

OCTOBER 2009

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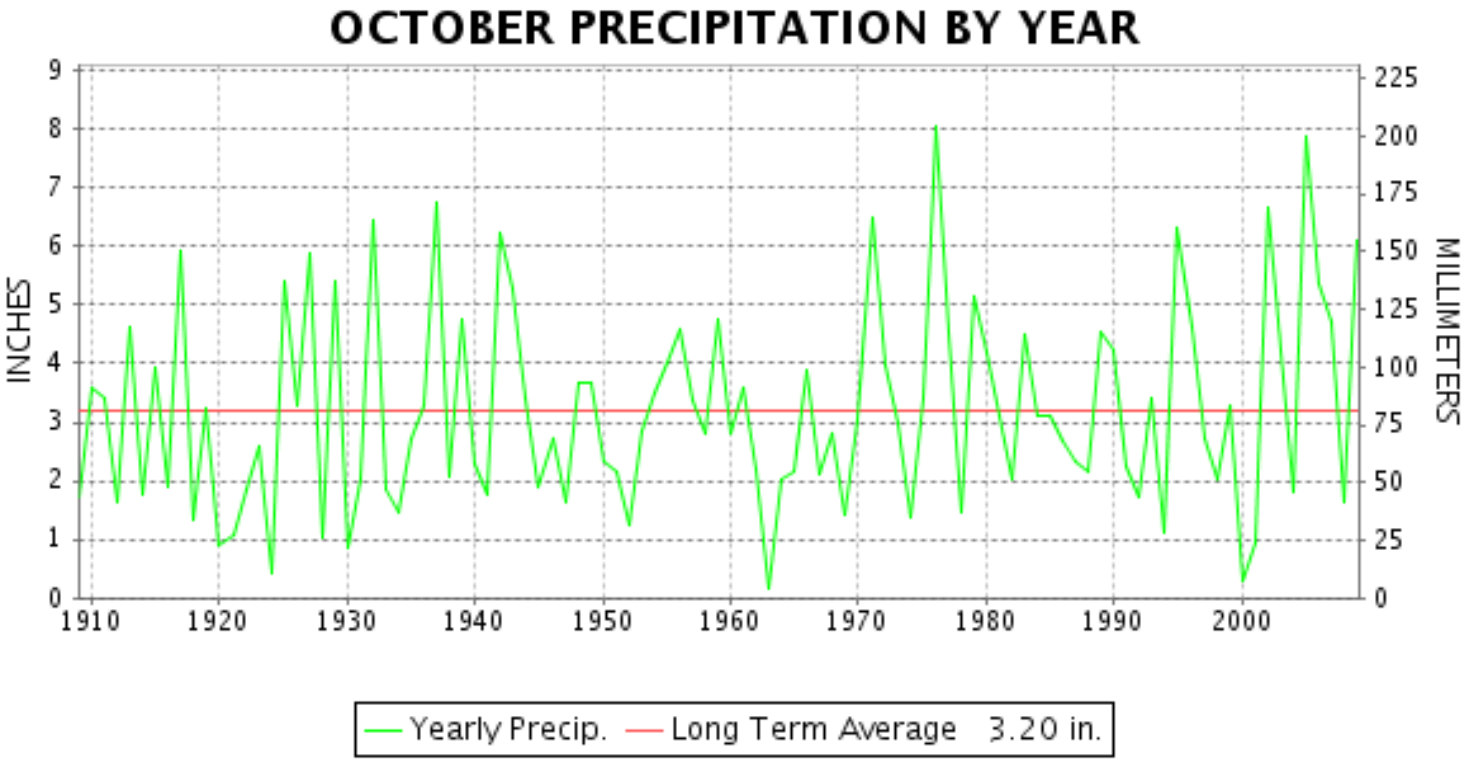

TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND			
HIGHEST TEMPERATURE	86	OCTOBER 10	2 STATIONS
LOWEST TEMPERATURE	25	OCTOBER 20	OAKLAND 1 SE
GREATEST TOTAL PRECIPITATION	7.59		ROYAL OAK 2 SSW
LEAST TOTAL PRECIPITATION	2.13		PRINCESS ANNE
GREATEST 1 DAY PRECIPITATION	2.07	OCTOBER 27	SNOW HILL 4 N
GREATEST TOTAL SNOWFALL	.3		MILLERS 4 NE

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DELAWARE

HIGHEST TEMPERATURE	82	OCTOBER 9	DOVER
LOWEST TEMPERATURE	32	OCTOBER 20	BEAR 2 SW
GREATEST TOTAL PRECIPITATION	8.44		WILMINGTON PORTER RES
LEAST TOTAL PRECIPITATION	5.90		WILMINGTON NEW CASTLE R
GREATEST 1 DAY PRECIPITATION	2.75	OCTOBER 28	GREENWOOD 2NE

MARYLAND AND DELAWARE
OCTOBER 2009

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	70.1	52.4	61.3	1.7	81	4	36	20	142	33	0	0	0	0	6.19	2.89	1.63	17	.0	0		6	5	3
PRINCESS ANNE	69.1M	48.6M	58.9M	1.4	79	7	33	20	192	10	0	0	0	0	2.13	-1.18	1.40	27	.0	0		1	1	1
SALISBURY	69.4	50.8	60.1	1.0	79	24+	36	20	173	29	0	0	0	0	4.19	.76	1.37	28	.0	0		6	4	1
SALISBURY FAA AP	67.9	48.6	58.3	.7	80	24	33	20	218	19	0	0	0	0	3.70	.06	1.15	28	.0	0		5	4	1
SNOW HILL 4 N	70.3	47.1	58.7	.3	82	9	31	20	204	16	0	0	1	0	6.57	3.15	2.07	27	.0	0		8	5	3
--DIVISIONAL DATA------->			59.5	1.2											4.56	1.19			.0					
CENTRAL EASTERN SHORE 02																								
ROYAL OAK 2 SSW	67.9	49.7	58.8	-1.0	82	9	39	20	206	22	0	0	0	0	7.59	4.13	1.94	28	.0	0		8	6	3
VIENNA	M	M	M																M	M				
--DIVISIONAL DATA------->			58.8	.6											7.59	4.35			.0					
LOWER SOUTHERN 03																								
MECHANICSVILLE 5 NE	62.9	45.4	54.2	-2.5	81	10	36	21+	334	5	0	0	0	0	6.92	3.00	1.77	18	.0	0		7	5	4
SOLOMONS	65.7	52.5	59.1		85	10	41	19+	191	17	0	0	0	0	M 7.07		1.51	18	.0	0		6	5	4
--DIVISIONAL DATA------->			56.7	-.2											6.92	3.44			.0					
UPPER SOUTHERN 04																								
BALTIMORE WASH INTL AP R	64.4	46.2	55.3	-.1	83	9	34	20	299	7	0	0	0	0	6.24	3.08	1.49	17	.0	0		7	6	2
BELTSVILLE	65.2	46.8	56.0	-.1	85	10	35	20+	283	10	0	0	0	0	5.47	1.91	1.28	18	.0	0		7	6	2
DALECARLIA RSVR	64.6	45.2	54.9	-2.4	84	10	35	19	308	3	0	0	0	0	5.71	2.23	1.50	18	.0	0		7	5	3
LAUREL 3 W	65.1	48.5	56.8	-.8	85	9	35	18	258	14	0	0	0	0	6.22	2.60	1.27	17	.0	0		8	6	1
MD SCI CTR BALTIMORE R	65.9	51.1M	58.5M		84	9	37	18	213	16	0	0	0	0	5.09		1.45	17	M	M		7	5	1
NATL ARBORETUM DC	67.6	46.5	57.1	.5	86	10	37	20	247	8	0	0	0	0	6.61	3.18	1.55	28	.0	0		8	6	3
OXON HILL	65.1	47.2	56.2		84	10	37	21	273	7	0	0	0	0	6.29		1.58	28	.0	0		7	6	3
UPPER MARLBORO 3 NNW	65.5	44.9	55.2	-.1	86	10	34	20	303	8	0	0	0	0	7.18	3.52	1.88	28	.0	0		7	6	2
--DIVISIONAL DATA------->			56.3	-.1											6.10	2.62			.0					
NORTHERN EASTERN SHORE 05																								
CHESTERTOWN	64.3	47.8	56.1	-1.1	80	9	36	19	280	10	0	0	0	0	6.28	2.91	1.71	28	.0	0		8	5	3
--DIVISIONAL DATA------->			56.1	-.4											6.28	2.91			.0					
NORTHERN CENTRAL 06																								
ABERDEEN PHILLIPS FLD	64.1	45.5	54.8	-2.5	81	10	36	21+	315	6	0	0	0	0	6.22	2.83	1.88	19	.0	0		6	4	3
CATOCTIN MTN PARK	61.2	43.5	52.4	-2.1	76	10	30	20	386	0	0	0	3	0	6.41	2.52	1.40	17	.0	0		12	5	2
CONOWINGO DAM	66.1M	44.5	55.3M	-.3	80	10	36	21	303	5	0	0	0	0	6.11	2.64	1.52	28	M .0	0		8	6	2
CYLBURN	62.0M	44.9	53.5M		79	9	34	19	348	0	0	0	0	0	M 7.00				M .0	0		4	3	2
DAMASCUS 3 SSW	61.4	46.3	53.9		82	9	31	19	344	6	0	0	1	0	6.44		1.66	17	.0	0		9	5	2

MARYLAND AND DELAWARE
OCTOBER 2009

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	62.0	43.0	52.5	-2.4	80	10	35	20	383	3	0	0	0	0	5.73	2.25	1.31	18	.0	0		8	5	3
FREDERICK 2 NNE	64.6	44.1	54.4		85	10	34	20+	327	5	0	0	0	0	6.18		1.31	18	.0	0		8	5	3
MILLERS 4 NE	62.2	44.5	53.4	-1.6	79	9	32	18	354	2	0	0	1	0	6.44	3.00	1.09	24	.3	0		9	7	3
SMITHSBURG 2NW	62.0	40.3	51.2		79	10	26	20+	422	1	0	0	4	0	4.88		1.60	18	.0	0		7	4	1
--DIVISIONAL DATA------->			53.5	-1.8											6.05	2.54			.0					
APPALACHIAN MOUNTAIN 07																								
CUMBERLAND 2	65.1	45.0	55.1	1.2	83	9	29	19	307	6	0	0	1	0	4.50	1.81	1.74	24	.0	0		8	3	1
FROSTBURG 2	56.4	39.6	48.0	-1.3	76	10	30	20+	520	0	0	0	5	0	4.73	1.52	1.79	24	T	T		9	3	1
SHARPSBURG 5 S	64.0	40.9	52.5		85	10	28	20+	385	4	0	0	2	0	4.63		1.12	18	.0	0		10	3	3
WILLIAMSPORT	64.4	42.0	53.2		80	23	30	20	358	0	0	0	2	0	3.99		1.10	28	.0	0		7	4	2
--DIVISIONAL DATA------->			52.2	-.5											4.46	1.38			.0					
ALLEGHENY PLATEAU 08																								
OAKLAND 1 SE	56.5	37.3	46.9	-3.1	74	10	25	20+	552	0	0	0	6	0	4.90	1.78	1.95	24	.0	0		10	3	1
SAVAGE RIVER DAM	57.8	39.7	48.8	-1.2	76	10	30	20+	496	0	0	0	2	0	4.70	1.89	1.63	24	.0	0		9	3	2
--DIVISIONAL DATA------->			47.9	-1.3											4.80	1.77			.0					
DELAWARE NORTHERN 01																								
BEAR 2 SW	63.8	44.7	54.3		80	9	32	20+	334	7	0	0	2	0	6.25		1.84	24	.0	0		8	5	3
WILMINGTON NEW CASTLE R	64.0	46.6	55.3	-.5	79	9	35	19	302	7	0	0	0	0	5.90	2.82	1.66	24	.0	0		8	4	3
WILMINGTON PORTER RES	62.4	46.5	54.5	-1.1	79	9	37	21	321	3	0	0	0	0	8.44	5.14	1.60	24	.0	0		10	8	3
--DIVISIONAL DATA------->			54.7	-1.1											6.86	3.50			.0					
SOUTHERN 02																								
DOVER	67.4	48.6	58.0	-.8	82	9	36	20	234	23	0	0	0	0	6.81	3.55	1.96	28	.0	0		8	6	3
GREENWOOD 2NE	65.5	45.5	55.5	-.5	80	10	34	21+	294	6	0	0	0	0	6.77	3.62	2.75	28	.0	0		8	5	2
LEWES	M	M	M																M	M				
--DIVISIONAL DATA------->			56.8	-.5											6.79	3.41			.0					

MARYLAND AND DELAWARE
OCTOBER 2009

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	6.19			.03				.07			.01					1.02	.09	1.63	.93					.15			.99	1.27			
PRINCESS ANNE	2.13														.04	.06								*	*	.63	1.40				
SALISBURY	4.19	.03						.02			.04					.82	.14	.30	.60					.03	.02	.01	.80	1.37			.01
SALISBURY FAA AP	3.70		T				T	.01			.02				T	.69	T	.69	.45					.04		T	.65	1.15			T
SNOW HILL 4 N	6.57	.06		.18				.05			.02					1.10	.15	.79	1.28					.13		.74	2.07				
CENTRAL EASTERN																															
SHORE 02																															
ROYAL OAK 2 SSW	7.59		.05					.04			.03		.03		.05	.60	.25	.78	1.25					.07	.60		1.79	1.94			.11
VIENNA	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER SOUTHERN 03																															
MECHANICSVILLE 5 NE	6.92	.02		T				T		T	.05					.29	.58	1.12	1.77	T				.03	.43		1.25	1.38	T		T
SOLOMONS	M 7.07	.10						.01		T	T	-	T	.01		.07	.79	1.18	1.51	.01				*	.75		1.18	1.46			-
UPPER SOUTHERN 04																															
BALTIMORE WASH INTL AP R	6.24		.08				T	.02	T	.02	T				.04	.50	.48	1.49	.68				.04	.96			1.06	.84		T	.03
BELTSVILLE	5.47			.07				.03			.03					.25	.57	.70	1.28					.05	.66		.67	1.16			
DALECARLIA RSVR	5.71	.03		.08							.11					.23	.72	1.00	1.50								.84	1.20			
LAUREL 3 W	6.22		.04					.04							.14	.77	.40	1.27	.90				.02	.60			.98	.99			.07
MD SCI CTR BALTIMORE R	5.09		.08					.01		.04					.03	.51	.35	1.45	.60				.18	.96			.85			.01	.02
NATL ARBORETUM DC	6.61	T		.04				T			.04		.10			.22	.71	.97	1.28	T				.03	1.06		.58	1.55	.01		.02
OXON HILL	6.29	.02		T				T		T	.02	.01				.13	.73	.90	1.29	T				.02	1.03		.54	1.58	T	T	.02
UPPER MARLBORO 3 NNW	7.18	.03		.01								.04				.30	.67	.92	1.66					.02	.90		.75	1.88			
NORTHERN EASTERN																															
SHORE 05																															
CHESTERTOWN	6.28			T				.04			T				.02	.40	.20	.59	.56				T	1.05			1.52	1.71			.19
NORTHERN CENTRAL 06																															
ABERDEEN PHILLIPS FLD	6.22					.17		.02		.07	.01	.01				.01	.68			1.88						1.49	.30	1.55	.03		
BRIGHTON DAM	6.20			.05						.04					.15	.65	.34	1.20	.70				.03	1.15			.44	1.45			
CATOCTIN MTN PARK	6.41			.03						.19	.03	.01			.01	.65	.48	1.40	.80	.01			.12	1.10		.27	.75	.31		.10	.15
CONOWINGO DAM	6.11			.04				.01	.01	.06	.14	.03					.80	.65	1.05					.22	.96		.50	1.52	.07		.05
CYLBURN	M 7.00			.03				.02				.04				.08	.92	1.07	*	1.97				.17	*	*	.97	1.70	.03		-
DAMASCUS 3 SSW	6.44							.07	T		.02				.13	.85	.45	1.66	.38				.14	.91			.68	1.13		T	.02
EMMITSBURG 2 SE	5.73		T	T						.20	.01					.04	1.01	.66	1.31		.04			.83	.17		.28	1.10		.04	.04
FREDERICK 2 NNE	6.18			.08				.03		.16	.08					.03	1.22	.63	1.31	.07				.30	.60		.39	1.27	.01		
MILLERS 4 NE	6.44			.07				T		.15	.19					.78	.50	.98	1.07				.04	1.09	T		.51	1.01		T	.05
POTOMAC FLTR PLT	5.78			.03							.03				.29	.61	.40	1.09	.26				.02	1.50			.65	.70	.10		.10
SMITHSBURG 2NW	4.88									.20	.08					.05	.85	.05	1.60					.50	.45			.95	.15		
APPALACHIAN																															

MARYLAND AND DELAWARE
OCTOBER 2009

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	4.50			.18						.15	.08					.18	.70	.04	.19						1.74	.37			.85	.02		
FROSTBURG 2	4.73	.01		.21				.01		.10	.29	T		T		.20	.84	.07	.11						1.79	.30		T	.79	.01		
SHARPSBURG 5 S	4.63	T		.02				.07		.18	.10					.11	1.04	.32	1.12	.02					.29	.15		.11	1.07	.02	.01	
WILLIAMSPORT	3.99									.01							1.00	.18	.82	.01					.60	.14		.13	1.10			
ALLEGHENY PLATEAU 08																															
OAKLAND 1 SE	4.90	.25		.30				.05		.30	.34	.03				.08	.53	.11							1.95	.14			.72	.10		
SAVAGE RIVER DAM	4.70	T		.16				T		.33	.16					.15	.78	.05	.15						1.63	.25			1.04	T		
DELAWARE																															
NORTHERN 01																															
BEAR 2 SW	6.25		.02	.01				.02		.02	.01				T	.50	.12	1.39	.27					.09	1.84			.57	1.26	T	T	.13
WILMINGTON NEW CASTLE R	5.90		.03	T				.04		.07	.01				T	.44	.02	1.19	.22					.16	1.66			.66	1.22			.18
WILMINGTON PORTER RES	8.44		.01					.03			.01					.36	.70	.70	.75					1.40	1.60		.68	.65	1.20			.35
SOUTHERN 02																															
DOVER	6.81			.03			T	.04								.70	.15	1.03	.47		T				.66			1.05	1.96		.02	.70
GREENWOOD 2NE	6.77				.45			.01	.04			.01				.13	.82	.17	.58	T					.04	.60	T	1.15	2.75	.01	T	.01
LEWES	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

MARYLAND AND DELAWARE
OCTOBER 2009

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																																		
ASSATEAGUE M	MID	MAX	70	78	78	81	73	72	78	72	77	78	71	65	77	63	60	61	61	58	62	69	72	75	69	74	69	66	65	72	66	68	72	70.1
		MIN	48	45	68	57	58	46	63	53	56	62	46	42	56	48	49	54	56	46	41	36	48	51	55	62	46	46	59	60	54	54	60	52.4
		OBS																									55							
PRINCESS ANNE	17	MAX	72	74			71	74	79	78	78			61	73	71	56	54			57	67	74	74	72			65	65	71	70	64		69.1
		MIN	39	45			50	40	58	45	50			48	53	45	46	48			36	33	43	59	52			58	58	60	52	51		48.6
SALISBURY	17	MAX	67	74	78	76	71	72	77	73	79	77	67	67	72	69	55	56	55	53	57	67	75	74	74	79	76	65	65	71	69	64	76	69.4
		MIN	47	48	65	57	53	47	63	50	56	63	45	45	52	44	46	48	49	43	38	36	45	49	54	63	53	43	54	60	54	53	53	50.8
SALISBURY FAA AP M	MID	MAX	66	75	78	76	70	71	78	69	79	76	68	62	73	56	56	54	56	52	57	67	75	75	73	80	63	64	65	71	60	64	77	67.9
		MIN	44	46	63	53	47	45	54	48	52	52	43	45	50	44	46	48	50	39	34	33	42	48	52	63	43	41	58	60	53	52	59	48.6
SNOW HILL 4 N	17	MAX	70	76	77	76	74	71	79	73	82	81	70	68	75	70	57	57	59	55	58	71	77	78	73	75	65	66	72	71	66	65	73	70.3
		OBS																														76	***	
		MIN	42	42	65	52	43	42	60	46	51	52	41	41	49	42	46	51	51	43	34	31	41	45	51	52	50	39	60	53	43	47	54	47.1
		OBS																									37	52				58	***	
CENTRAL EASTERN SHORE 02																																		
ROYAL OAK 2 SSW	18	MAX	67	73	78	76	70	72	75	68	82	80	69	67	71	66	51	51	49	51	57	68	74	75	72	75	73	65	60	70	66	65	70	67.9
		MIN	45	49	60	52	52	46	63	53	54	62	42	46	47	43	45	42	44	42	41	39	43	48	52	64	51	43	53	57	54	53	57	49.7
VIENNA	18	MAX																																M
		MIN																																M
LOWER SOUTHERN 03																																		
MECHANICSVILLE 5 NE	07	MAX	66	63	69	73	69	61	68	74	66	81	65	64	54	69	51	50	44	47	50	54	65	71	71	70	75	54	61	58	69	57	60	62.9
		MIN	46	47	50	50	48	45	45	46	46	58	43	43	47	43	43	41	41	38	37	36	36	42	51	52	48	41	41	49	51	51	52	45.4
SOLOMONS	08	MAX	69	66	76	73	73	69	70	77	69	85	72	67	60	71	52	53	49	49	51	55	69	71	74	68	76	59	63	60	71	58	61	65.7
		MIN	54	55	59	58	56	56	65	54	61	63	51	52	52	49	48	45	44	41	41	43	43	53	56	57	52	48	54	55	56	53	54	52.5
UPPER SOUTHERN 04																																		
BALTIMORE WASH INTL APM	MID	MAX	64	71	76	69	68	68	71	68	83	73	66	55	71	50	48	43	45	52	57	70	75	74	64	75	62	62	57	71	60	58	70	64.4
		MIN	44	51	51	48	47	43	47	45	58	47	40	46	48	43	42	40	42	37	35	34	43	47	48	56	41	39	51	57	54	52	57	46.2
BELTSVILLE	08	MAX	67	66	72	78	70	70	70	72	68	85	71	67	55	70	50	48	43	46	52	57	70	77	75	71	75	62	64	59	71	59	60	65.2
		MIN	43	49	58	47	46	46	57	44	54	64	41	45	46	43	44	40	41	38	35	35	43	47	50	53	44	40	43	53	56	53	54	46.8
DALECARLIA RSVR	08	MAX	70	66	71	71	70	70	70	70	69	84	69	69	54	70	49	50	42	43	52	59	57	71	76	76	76	62	62	64	71	61	59	64.6
		OBS										69			66	55	72																	
		MIN	48	46	55	50	48	48	49	50	50	52	44	46	46	43	42	40	40	40	35	36	36	39	44	51	42	41	41	41	53	53	53	45.2
LAUREL 3 W M	MID	MAX	65	72	77	69	70	68	72	68	85	77	67	55	70	56	46	42	45	52	57	72	77	73	65	74	64	65	57	73	60	57	68	65.1
		MIN	48	51	60	55	50	49	55	47	58	54	46	45	47	41	41	38	40	35	36	41	46	53	52	59	46	45	51	55	53	51	55	48.5
		OBS																					59											
MD SCI CTR BALTIMORE M	MID	MAX	65	73	76	70	70	69	74	70	84	76	67	57	70	52	48	45	46	54	57	72	76	77	65	75	63	63	60	72	63	61	72	65.9
		MIN	51	56	62	57	53	53	54	51	59	56	50	48	52	46	43	41	42	37	40	43	50	54	56	59	50	49	52		56	55	59	51.1

MARYLAND AND DELAWARE
OCTOBER 2009

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	70	70	74	80	72	75	73	75	75	86	73	70	58	75	53	50	44	48	54	60	72	77	72	71	80	64	67	60	72	64	62	67.6
		OBS													***																		
		MIN	45	46	50	50	50	47	50	51	51	60	43	46	44	43	44	40	41	38	39	37	39	43	51	50	47	40	46	52	53	53	53	46.5
		OBS													***																		
OXON HILL	08	MAX	67	67	71	77	71	72	69	73	70	84	71	69	55	71	50	48	43	45	52	58	69	75	73	69	75	61	63	58	71	60	61	65.1
		MIN	48	48	53	51	50	49	51	48	48	59	44	44	48	45	44	41	41	38	39	38	37	45	51	52	50	43	44	53	56	52	52	47.2
UPPER MARLBORO 3 NNW	08	MAX	67	68	72	78	72	70	72	74	71	86	71	68	55	71	51	48	43	45	51	59	71	78	75	69	75	62	64	59	71	57	59	65.5
		MIN	45	46	53	48	46	45	47	45	47	59	41	42	46	41	41	40	40	37	35	34	35	41	50	50	48	40	41	52	52	52	52	44.9
NORTHERN EASTERN SHORE 05																																		
CHESTERTOWN	23	MAX	63	71	76	71	68	69	73	67	80	74	65	56	69	50	46	43	45	51	64	67	75	72	65	74	61	61	58	69	60	60	69	64.3
		MIN	45	47	61	54	50	44	57	50	57	52	43	45	48	41	43	40	42	40	36	37	42	48	45	60	44	42	52	57	53	50	56	47.8
NORTHERN CENTRAL 06																																		
ABERDEEN PHILLIPS FLD	07	MAX	67	63	72	75	71	70	69	72	68	81	70	67	54	70	52	46	43	45	51	58	70	73	73	67	72	61	61	59	71	58	59	64.1
		MIN	48	48	55	51	47	44	45	46	46	60	41	41	45	41	41	40	40	39	38	36	36	42	47	50	48	41	42	53	55	52	52	45.5
CATOCTIN MTN PARK	07	MAX	61	59	63	74	67	66	65	66	66	76	71	59	53	63	50	41	39	40	48	52	67	72	73	73	69	62	62	54	67	62	56	61.2
		OBS	59	63	74	67	66	65	66	66	76	71	59	53	63	50	41	39	40	48	52	67	72	73	73	69	62	62	54	67	62	56	68	
		MIN	42	44	50	50	45	45	54	46	45	45	42	39	45	33	37	34	36	32	31	30	50	44	53	53	46	40	42	50	49	47	48	43.5
		OBS																				42		55										
CONOWINGO DAM	07	MAX	69	66	71	76	73	72	69	74	73	80	68	70	56	72	55	44	46	48	59	60	68	74	73	66	71							66.1
		MIN	48	45	49	50	46	46	50	44	47	57	41	42	43	40	42	38	40	41	38	37	36	41	45	50	48	40	40	54	44	47	52	44.5
CYLBURN	20	MAX	60	70	73	65	64	66	68	63	79	69	62	52	65	48		42	44	51	55	64	69	67	62	69	64	61	56	68	61	57	66	62.0
		OBS	63	60	70	73	65	64	66	68	63	79	69	62	52	65	48	***				52			76			71		56			58	
		MIN	48	47	52	50	45	46	47	49	50	50	43	43	44	40	41	38	38	35	34	36	38	45	48	51	43	45	40	50	54	51	51	44.9
		OBS																									57							
DAMASCUS 3 SSW	22	MAX	62	67	74	67	65	65	64	63	82	69	63	53	65	50	43	41	41	49	52	68	72	72	62	70	59	62	53	68	59	55	68	61.4
		MIN	42	48	54	51	45	46	55	45	60	49	42	44	47	39	40	37	39	37	31	38	45	51	51	52	42	47	48	52	53	50	55	46.3
EMMITSBURG 2 SE	07	MAX	63	59	67	73	66	66	65	66	66	80	67	62	52	64	48	45	41	43	53	55	67	72	76	67	74	61	62	55	69	59	59	62.0
		MIN	45	43	48	44	46	40	40	45	45	55	38	39	43	40	37	38	38	39	37	35	38	40	46	49	45	37	39	49	49	53	52	43.0
FREDERICK 2 NNE	07	MAX	65	64	69	76	68	69	69	68	68	85	70	71	55	68	48	46	42	43	55	57	72	76	77	69	73	63	65	65	70	59	59	64.6
		MIN	46	48	52	46	46	42	43	49	50	55	40	41	45	39	39	38	38	38	34	34	41	42	50	50	46	37	39	39	55	52	52	44.1
MILLERS 4 NE	18	MAX	59	66	73	66	65	65	65	65	79	76	61	56	63	56	45	40	41	51	55	68	72	75	66	70	65	62	55	66	62	54	66	62.2
		MIN	41	41	52	47	47	41	56	47	52	56	39	39	45	35	40	35	38	32	35	36	44	49	51	55	44	37	45	51	51	48	52	44.5
SMITHSBURG 2NW	08	MAX	62	68	70	73	64	66	67	63	63	79	66	61	60	64	46	43	39	42	50	61	69	73	75	66	72	61	61	55	65	59	60	62.0
		OBS														52																	51	
		MIN	41	45	46	41	43	38	38	45	44	53	36	35	38	32	31	36	36	34	26	26	36	38	45	51	45	34	36	49	48	51	51	40.3
		OBS													48																		
APPALACHIAN MOUNTAIN 07																																		
CUMBERLAND 2	18	MAX	67	62	75	70	72	67	66	65	83	76	66	57	66	57	45	42	44	53	62	75	79	79	72	72	68	62	59	61	66	62	67	65.1
		MIN	48	48	51	44	43	39	57	43	53	59	39	40	46	37	39	37	38	38	29	38	42	43	50	58	46	37	44	52	54	55	48	45.0

MARYLAND AND DELAWARE
OCTOBER 2009

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	
FROSTBURG 2	07	MAX	54	59	57	66	58	61	64	56	59	76	52	56	54	57	38	38	35	38	43	54	66	74	72	59	62	58	58	54	55	57	58	56.4
		MIN	40	40	42	42	40	39	39	41	41	50	38	36	36	32	33	32	32	33	30	30	44	46	44	51	40	37	37	45	47	47	45	39.6
SHARPSBURG 5 S	07	MAX	64	64	68	76	68	70	69	67	69	85	66	65	55	67	47	45	41	42	51	58	73	77	81	68	75	63	64	56	70	62	58	64.0
		MIN	44	45	50	42	41	38	38	40	40	53	37	37	43	34	34	38	38	38	28	28	34	39	45	48	46	34	34	51	48	51	52	40.9
WILLIAMSPORT	06	MAX	66	65	67	76	68	71	68	67	67	79	77	65	55	67	48	44	41	41	56	60	74	77	80	66	72	73	64	54	68	64	57	64.4
		OBS										***																					
		MIN	46	46	48	45	45	39	39	45	44	50	39	40	44	37	35	38	37	37	32	30	37	39	43	48	49	37	36	49	47	48	52	42.0
		OBS										***																					
ALLEGHENY PLATEAU 08																																		
OAKLAND 1 SE	07	MAX	49	58	63	64	57	61	68	54	66	74	52	56	55	56	38	39	38	38	38	52	65	71	69	64	57	58	58	58	55	57	65	56.5
		MIN	40	40	40	39	39	32	32	37	37	49	34	33	39	33	35	35	34	34	25	25	32	33	33	52	34	32	42	46	47	46	48	37.3
SAVAGE RIVER DAM	08	MAX	56	59	59	66	59	62	66	59	62	76	55	57	51	60	41	41	39	41	44	52	66	70	69	69	61	58	60	56	57	59	61	57.8
		MIN	45	44	44	42	42	36	36	42	42	52	38	37	38	36	36	35	35	35	30	30	38	39	40	40	44	33	33	44	49	50	46	39.7
DELAWARE																																		
NORTHERN 01																																		
BEAR 2 SW M	MID	MAX	60	68	76	72	68	68	71	68	80	76	65	55	68	53	47	43	46	50	56	66	73	73	66	73	62	62	59	68	57	58	71	63.8
		MIN	42	45	55	48	43	40	56	44	57	47	37	42	46	37	41	40	42	35	32	32	39	44	48	61	40	36	50	55	51	44	56	44.7
WILMINGTON NEW CASTLE M	MID	MAX	60	68	74	74	69	67	72	67	79	71	65	55	68	53	49	45	46	51	57	67	75	73	67	73	62	62	60	68	57	58	71	64.0
		MIN	44	48	58	51	48	43	54	47	59	47	41	44	44	38	41	40	42	36	35	36	42	48	51	60	44	41	52	56	51	48	57	46.6
WILMINGTON PORTER RES M	MID	MAX	57	66	71	71	72	66	70	65	79	76	65	54	66	52	48	42	45	49	54	65	71	71	64	69	63	59	58	65	56	57	69	62.4
		OBS				55																												
		MIN	46	47	58	54	50	47	46	45	57	51	41	45	43	41	40	39	38	38	38	38	37	38	53	59	48	48	50	54	49	47	55	46.5
SOUTHERN 02																																		
DOVER	16	MAX	66	71	77	77	70	70	71	68	82	80	66	66	68	68	50	47	48	48	57	69	75	76	76	77	75	60	60	69	68	61	72	67.4
		OBS									***																							
		MIN	43	49	62	56	49	44	61	47	52	65	42	43	49	41	44	41	42	40	37	36	42	52	52	62	49	42	54	57	51	45	57	48.6
GREENWOOD 2NE	07	MAX	67	63	73	78	72	68	71	74	67	80	75	67	58	71	52	52	52	49	48	56	69	75	77	70	77	59	61	61	71	56	62	65.5
		MIN	41	41	53	53	48	43	43	47	47	60	42	42	44	41	41	43	44	41	34	34	34	42	50	52	51	42	45	58	53	50	52	45.5
LEWES	17	MAX																																M
		MIN																																M

MARYLAND AND DELAWARE
OCTOBER 2009

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	47	33	*	*	149	19	94	107	44	125	62	44	*	107	45	90	*	*	272	41	30	22	25	*	*	220	49	41	71	37	-	1833
	EVAP	11	12	*	*	32	27	11	15	28	16	13	12	*	21	3	-	-	-	-	16	11	12	8	*	*	25	8	3	11	5	-	3.57
	MAX	62	64	-	-	76	68	58	68	68	78	65	78	-	66	46	44	-	-	46	61	63	69	67	-	-	65	60	54	66	59	-	63.1
	MIN	44	44	-	-	46	46	58	41	41	52	41	41	-	39	39	38	-	-	35	37	38	45	48	-	-	40	40	49	52	56	-	43.9
UPPER MARLBORO 3 NNW	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
	EVAP	10	10	*	*	34	13	*	30	16	*	*	34	4	13	-	*	*	*	20	11	9	10	8	*	*	25	-	-	8	3	-	2.96
	MAX	71	74	71	84	78	77	74	77	76	83	69	75	57	72	52	50	49	48	52	65	70	75	71	64	72	66	66	58	73	60	59	67.4
	MIN	49	49	54	55	52	50	51	47	47	56	46	46	47	43	43	45	44	42	42	43	45	48	52	54	50	46	46	54	55	53	53	48.6

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

MARYLAND AND DELAWARE
OCTOBER 2009

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
MARYLAND																															
NORTHERN CENTRAL 06																															
MILLERS 4 NE	SNOWFALL																		.3												
	SN ON GND																														
APPALACHIAN																															
MOUNTAIN 07																															
FROSTBURG 2	SNOWFALL															T															
	SN ON GND																														
DELAWARE																															

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 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 AGRICULT RES 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	07	07		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 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	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 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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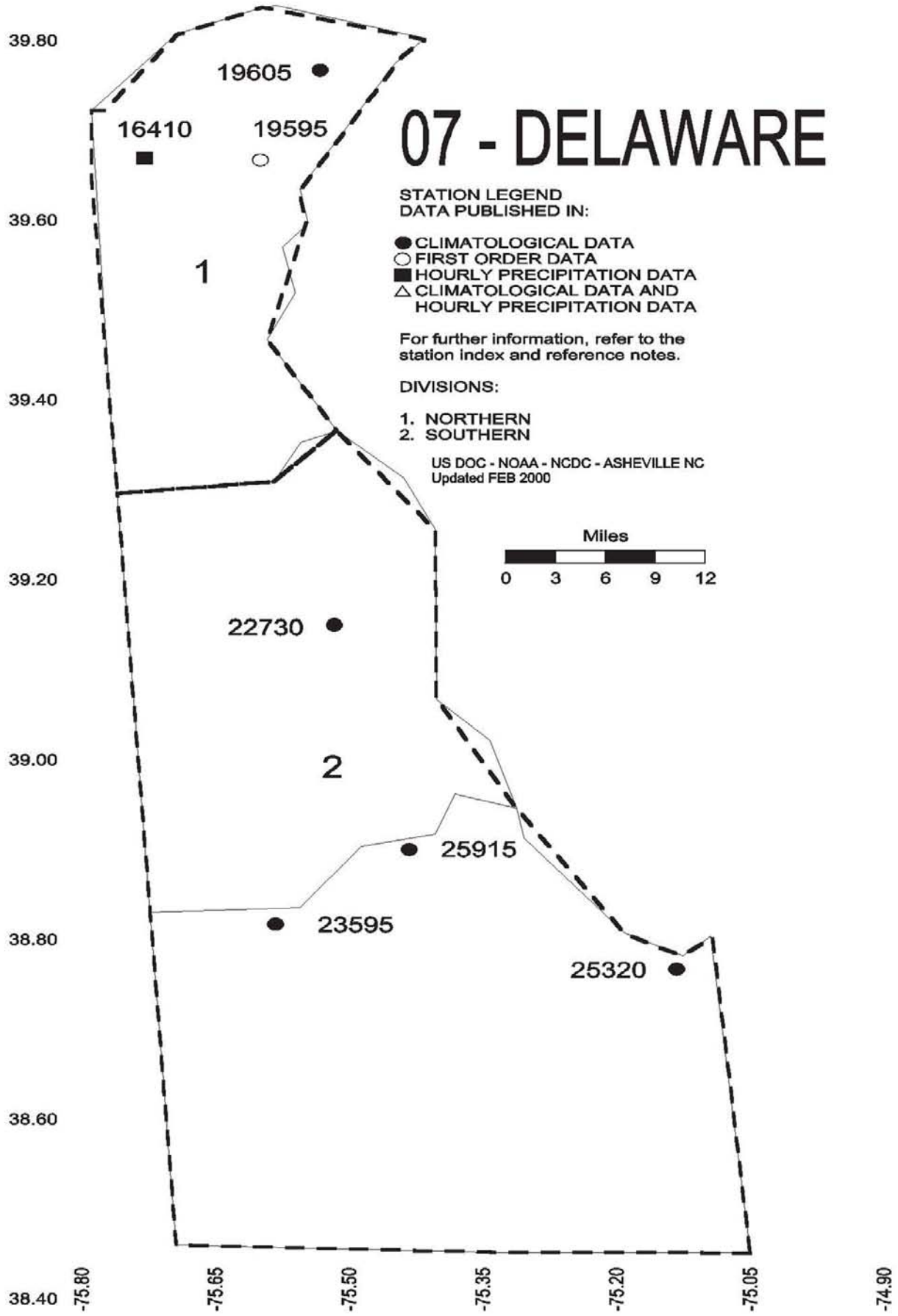
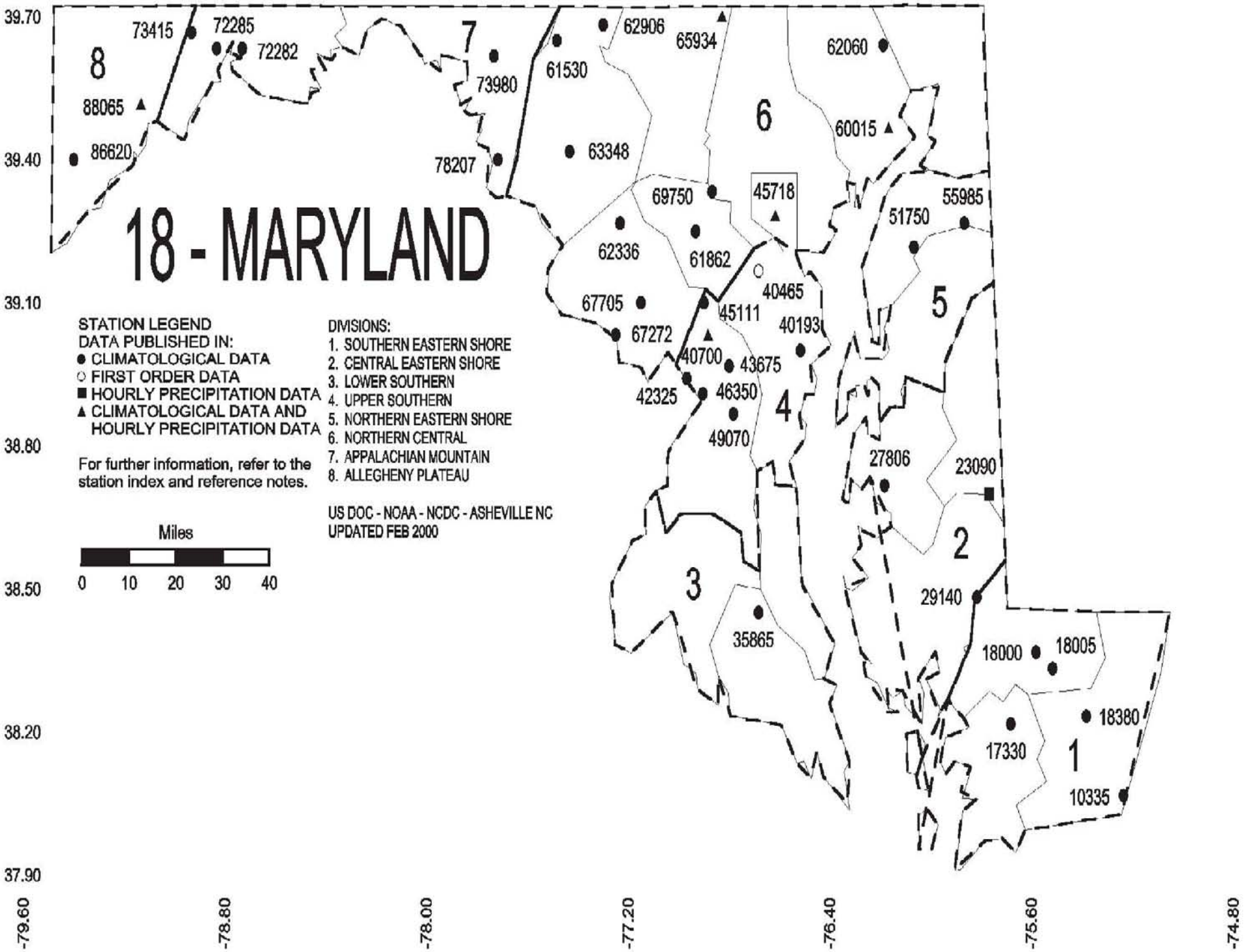

07 - DELAWARE
STATION LEGEND
DATA PUBLISHED IN:
CLIMATOLOGICAL DATA
FIRST ORDER DATA
HOURLY PRECIPITATION DATA
CLIMATOLOGICAL DATA AND
HOURLY PRECIPITATION DATA
For further information, refer to the station index and reference notes.
DIVISIONS:
1. NORTHERN
2. SOUTHERN
US DOC - NOAA - NCDC - ASHEVILLE 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


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
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.
Miles
0 10 20 30 40
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
73415
72285
72282
88065
86620
73980
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
1
2
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