



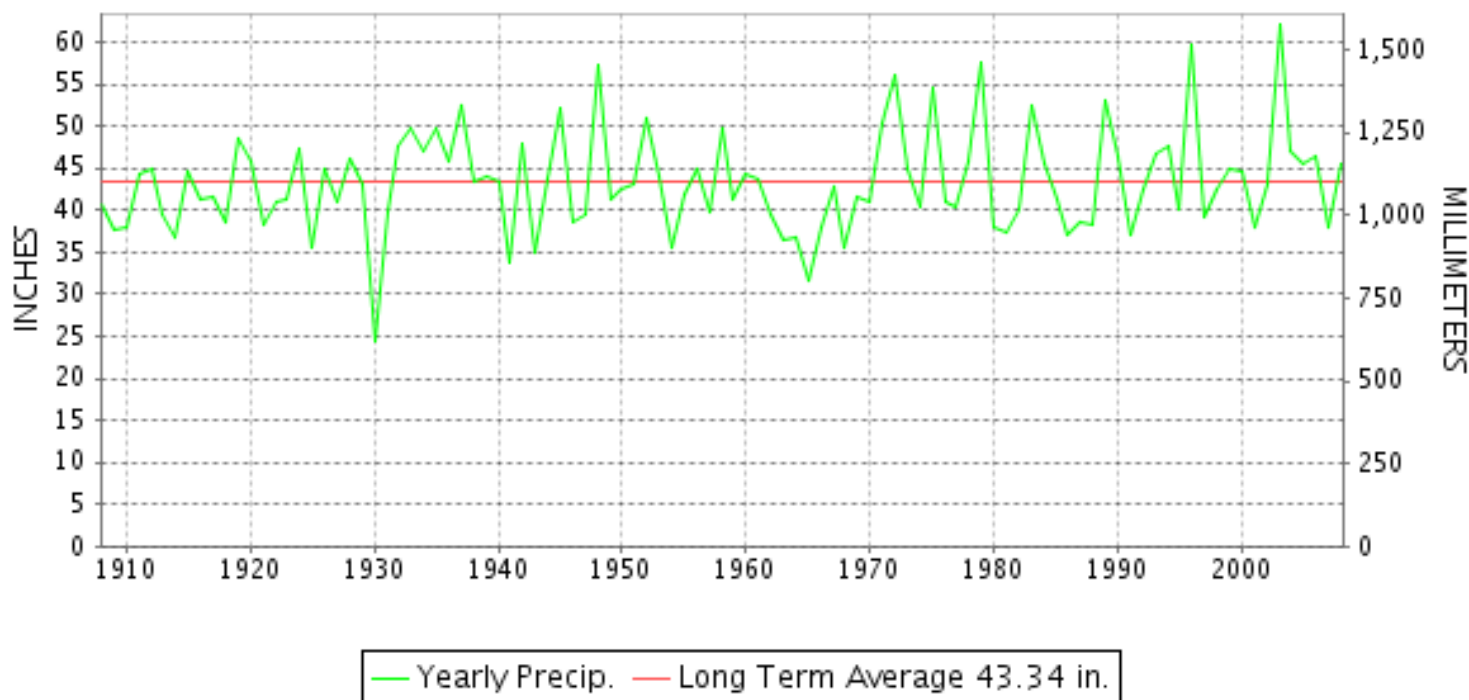
# CLIMATOLOGICAL DATA ANNUAL SUMMARY MARYLAND AND DELAWARE

2008

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## YEARLY TOTAL PRECIPITATION



MARYLAND AND DELAWARE PRECIPITATION 1908-2008

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# TOTAL PRECIPITATION AND DEPARTURE FROM NORMAL (INCHES)

MARYLAND AND DELAWARE  
2008

STATION	JAN		FEB		MAR		APR		MAY		JUN	
	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
<b>MARYLAND</b>												
<b>SOUTHERN EASTERN</b>												
<b>SHORE 01</b>												
ASSATEAGUE	1.49	-2.85	M 3.66		2.04	-2.22	5.81	2.56	6.66	3.06	5.05	2.20
PRINCESS ANNE	1.29	-2.54	3.12	.18	M 2.54		4.92	1.69	M .94		5.84	2.71
SALISBURY	1.60	-2.42	3.52	.07	2.54	-2.01	5.27	1.93	5.57	1.90	3.85	.23
SALISBURY FAA AP	1.48	-2.61	3.58	.02	2.42	-2.20	4.81	1.40	6.02	2.15	4.45	.88
SNOW HILL 4 N	1.65	-2.37	3.31	-.10	2.40	-2.27	5.61	2.37	6.29	2.65	3.99	.56
--DIVISIONAL DATA----->	1.50	-2.50	3.38	-.04	2.35	-2.13	5.28	2.02	6.14	2.52	4.64	1.26
<b>CENTRAL EASTERN</b>												
<b>SHORE 02</b>												
ROYAL OAK 2 SSW	2.11	-2.00	3.37	.02	2.17	-2.27	3.60	.10	7.95	3.82	4.61	1.14
VIENNA	M 1.60		3.01	-.32	2.13	-1.94	4.24	.91	M 3.11		3.86	.14
--DIVISIONAL DATA----->	2.11	-1.87	3.19	-.12	2.15	-2.14	3.92	.53	7.95	4.04	4.24	.69
<b>LOWER SOUTHERN 03</b>												
MECHANICSVILLE 5 NE	1.27	-2.72	3.05	-.32	2.58	-2.05	3.92	.43	10.68	6.46	6.12	1.85
SOLOMONS	M 1.44		M 2.91		M 2.36		M 3.33		M 6.50		7.58	
--DIVISIONAL DATA----->	1.27	-2.45	3.05	.03	2.58	-1.73	3.92	.72	10.68	6.54	6.85	3.07
<b>UPPER SOUTHERN 04</b>												
BALTIMORE WASH INTL AP R	1.47	-2.00	3.80	.78	2.37	-1.56	4.62	1.62	7.77	3.88	3.70	.27
BELTSVILLE	1.21	-2.22	M 2.60		2.26	-1.61	5.57	2.24	7.22	2.68	4.58	.99
DALECARLIA RSVR	1.55	-1.93	4.72	1.71	4.09	-.04	5.74	2.20	6.77	2.35	5.57	1.88
LAUREL 3 W	1.44	-2.08	M 3.59		3.43	-.74	5.41	1.80	7.68	2.93	3.47	-.45
MD SCI CTR BALTIMORE R	1.44		4.18		2.31		3.35		5.36		3.27	
NATL ARBORETUM DC	1.47	-2.10	4.28	1.44	2.48	-1.44	5.85	2.59	9.01	4.72	7.76	4.13
OXON HILL	1.77		4.61		2.58		6.99		10.91		9.28	
UPPER MARLBORO 3 NNW	1.40	-2.09	3.70	.94	2.24	-1.66	6.94	3.66	11.80	7.49	7.04	3.21
--DIVISIONAL DATA----->	1.47	-2.08	4.22	1.30	2.72	-1.30	5.56	2.22	8.32	3.88	5.58	1.92
<b>NORTHERN EASTERN</b>												
<b>SHORE 05</b>												
CHESTERTOWN	2.14	-1.42	3.61	.58	2.97	-1.19	2.88	-.46	7.40	3.31	M 2.30	
--DIVISIONAL DATA----->	2.14	-1.51	3.61	.59	2.97	-1.15	2.88	-.51	7.40	3.25		
<b>NORTHERN CENTRAL 06</b>												
ABERDEEN PHILLIPS FLD	1.29	-2.12	4.21	1.61	2.34	-1.31	3.08	-.28	4.82	.41	M 4.00	
CATOCTIN MTN PARK	.94	-3.01	4.59	1.26	3.86	-.46	6.53	2.57	6.48	1.34	3.01	-1.60
CONOWINGO DAM	1.75	-2.23	5.19	2.27	3.51	-.65	5.43	1.78	5.17	.59	4.06	-.09
CYLBURN	M 1.47		4.39		2.58		4.32		6.24		2.78	
EMMITSBURG 2 SE	M .68		2.24	-.73	3.28	-.67	6.88	3.08	5.43	.91	2.90	-1.45
FREDERICK 2 NNE	1.41		3.82		3.35		6.39		5.93		3.45	
MILLERS 4 NE	1.48	-2.16	5.60	2.70	3.94	.17	6.32	2.87	6.38	2.10	2.78	-.84
POTOMAC FLTR PLT	1.67	-1.30	M 3.87		3.08	-.35	7.53	4.31	M 7.17		M 5.11	
SMITHSBURG 2NW	1.70		M 5.03		4.66		8.12		5.89		4.97	
--DIVISIONAL DATA----->	1.43	-2.17	4.29	1.37	3.44	-.59	5.88	2.35	5.79	1.17	3.42	-.63
<b>APPALACHIAN</b>												
<b>MOUNTAIN 07</b>												

# TOTAL PRECIPITATION AND DEPARTURE FROM NORMAL (INCHES)

MARYLAND AND DELAWARE  
2008

STATION	JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
<b>MARYLAND</b>														
<b>SOUTHERN EASTERN</b>														
<b>SHORE 01</b>														
ASSATEAGUE	2.71	-.91	3.84	-.34	4.83	1.13	M		7.63	4.47	5.30	2.09		
PRINCESS ANNE	3.05	-1.22	M 1.38		M		M		M		M			
SALISBURY	3.13	-1.41	1.43	-3.29	4.06	.07	1.09	-2.34	6.10	2.93	4.98	1.51	43.14	-2.83
SALISBURY FAA AP	3.97	-.57	1.88	-3.11	4.36	.63	.92	-2.72	4.68	1.38	3.85	.13	42.42	-4.62
SNOW HILL 4 N	4.74	.26	2.53	-2.87	4.99	1.24	1.14	-2.28	6.76	3.45	5.91	2.50	49.32	3.14
--DIVISIONAL DATA----->	3.52	-.79	2.42	-2.32	4.56	.80	1.05	-2.32	6.29	3.11	5.01	1.61	46.14	1.22
<b>CENTRAL EASTERN</b>														
<b>SHORE 02</b>														
ROYAL OAK 2 SSW	2.01	-2.21	1.11	-2.99	3.36	-.63	2.06	-1.40	5.42	1.99	5.34	1.67	43.11	-2.76
VIENNA	4.80	.94	1.32	-3.05	4.71	1.19	.97	-2.17	6.04	2.92	4.76	1.48	M 40.55	
--DIVISIONAL DATA----->	3.41	-.78	1.22	-3.04	4.04	.22	1.52	-1.72	5.73	2.44	5.05	1.56	44.53	-.19
<b>LOWER SOUTHERN 03</b>														
MECHANICSVILLE 5 NE	1.89	-2.59	1.06	-2.88	4.14	-.24	1.17	-2.75	2.86	-.57	5.93	2.53	44.67	-2.85
SOLOMONS	M 5.21		M 1.55		M 3.40		1.00		4.22		M 3.97		M	
--DIVISIONAL DATA----->	1.89	-2.33	1.06	-3.07	4.14	-.03	1.09	-2.39	3.54	.27	5.93	2.62	46.00	1.25
<b>UPPER SOUTHERN 04</b>														
BALTIMORE WASH INTL AP R	5.47	1.62	M 1.48		7.22	3.24	1.27	-1.89	2.61	-.51	3.19	-.16	M 44.97	
BELTSVILLE	4.22	.13	.99	-2.70	4.19	-.16	1.75	-1.81	1.38	-1.94	3.80	.50	M 39.77	
DALECARLIA RSVR	4.80	.54	1.23	-2.75	8.39	4.09	2.19	-1.29	1.85	-1.56	3.97	.56	50.87	5.76
LAUREL 3 W	3.29	-.73	2.08	-1.53	6.05	1.52	2.03	-1.59	2.74	-1.24	4.13	.47	M 45.34	
MD SCI CTR BALTIMORE R	5.13		2.24		7.15		1.03		2.59		3.24		41.29	
NATL ARBORETUM DC	4.72	.51	1.42	-2.48	4.84	.76	1.55	-1.88	1.83	-1.49	3.51	.26	48.72	5.02
OXON HILL	5.42		2.33		5.19		1.57		2.05		3.58		56.28	
UPPER MARLBORO 3 NNW	4.17	.06	M 2.02		M 3.90		1.64	-2.02	3.16	-.09	3.17	-.03	M 51.18	
--DIVISIONAL DATA----->	4.65	.51	1.72	-2.23	6.15	1.97	1.63	-1.85	2.28	-1.10	3.57	.18	47.87	3.42
<b>NORTHERN EASTERN</b>														
<b>SHORE 05</b>														
CHESTERTOWN	4.31	.37	M .81		4.99	.69	1.48	-1.89	3.77	.43	5.50	1.81	M 42.16	
--DIVISIONAL DATA----->	4.31	.26			4.99	.71	1.48	-1.89	3.77	.50	5.50	1.87		
<b>NORTHERN CENTRAL 06</b>														
ABERDEEN PHILLIPS FLD	4.99	.78	1.13	-2.94	5.46	.98	2.06	-1.33	2.76	-.44	4.42	1.01	M 40.56	
CATOCTIN MTN PARK	2.87	-.95	3.07	-.85	6.38	1.47	M 2.13		3.51	-.36	M			
CONOWINGO DAM	4.96	.76	1.65	-2.76	6.34	1.42	3.06	-.41	1.55	-2.21	4.80	.91	47.47	-.62
CYLBURN	4.08		2.24		9.67		1.93		2.11		4.50		M 46.31	
EMMITSBURG 2 SE	2.77	-.87	2.53	-1.07	7.30	3.04	1.68	-1.80	1.86	-1.94	6.09	2.78	M 43.64	
FREDERICK 2 NNE	2.61		1.81		6.17		2.55		2.77		4.55		44.81	
MILLERS 4 NE	3.68	.11	2.60	-1.11	9.37	5.23	2.20	-1.24	2.46	-1.15	5.67	2.13	52.48	8.81
POTOMAC FLTR PLT	M 2.45		2.65	-.79	10.04	6.00	1.79	-1.42	2.47	-.92	M			
SMITHSBURG 2NW	3.58		1.66		4.48		1.38		2.15		5.70		M 49.32	
--DIVISIONAL DATA----->	3.69	-.27	2.09	-1.75	6.90	2.57	2.12	-1.39	2.40	-1.22	5.10	1.60	46.55	1.04
<b>APPALACHIAN</b>														
<b>MOUNTAIN 07</b>														

# TOTAL PRECIPITATION AND DEPARTURE FROM NORMAL (INCHES)

MARYLAND AND DELAWARE  
2008

STATION	JAN		FEB		MAR		APR		MAY		JUN	
	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
CUMBERLAND 2	1.98	-.91	2.51	.08	4.06	.76	5.62	2.46	5.40	1.43	3.55	.43
FROSTBURG 2	2.29	-1.28	3.56	.46	4.24	.40	4.63	.66	6.95	2.19	7.25	3.41
SHARPSBURG 5 S	1.33		2.47		3.36		6.55		6.50		3.93	
WILLIAMSPORT	1.96		2.78		M 2.12		5.62		4.85		3.15	
--DIVISIONAL DATA----->	1.89	-1.21	2.83	.21	3.89	.47	5.61	2.22	5.93	1.72	4.47	.95
ALLEGHENY PLATEAU 08												
OAKLAND 1 SE	M		M		M 2.38		3.41	-.66	M 8.06		6.28	1.68
SAVAGE RIVER DAM	2.62	-.27	2.84	.37	3.56	.28	3.45	.07	6.76	2.52	7.29	3.62
--DIVISIONAL DATA----->	2.62	-.93	2.84	-.25	3.56	-.31	3.43	-.41	6.76	2.22	6.79	2.58
DELAWARE												
NORTHERN 01												
BEAR 2 SW	1.61		4.31		3.25		2.27		5.68		3.35	
NEWARK UNIV FARM	M		M		M							
WILMINGTON NEW CASTLE R	1.57	-1.86	4.32	1.51	4.00	.03	1.97	-1.42	5.12	.97	2.71	-.88
WILMINGTON PORTER RSVR	1.83	-1.64	4.59	1.54	5.13	1.32	2.22	-1.79	3.88	-.45	2.45	-1.61
--DIVISIONAL DATA----->	1.67	-2.03	4.41	1.57	4.13	.02	2.15	-1.48	4.89	.47	2.84	-1.06
SOUTHERN 02												
DOVER	2.32	-1.62	3.94	.90	2.79	-1.61	3.12	-.35	6.85	2.56	2.60	-1.17
GREENWOOD 2NE	1.77	-2.15	2.51	-.67	3.80	-.87	3.08	-.37	4.79	.48	4.86	1.30
LEWES	1.58	-2.43	M 4.47		2.44	-2.01	3.14	-.40	6.01	2.10	2.46	-.69
--DIVISIONAL DATA----->	1.89	-2.10	3.23	.05	3.01	-1.39	3.11	-.36	5.88	1.76	3.31	-.10

# TOTAL PRECIPITATION AND DEPARTURE FROM NORMAL (INCHES)

MARYLAND AND DELAWARE  
2008

STATION	JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
CUMBERLAND 2	4.34	.92	3.86	.33	3.11	-.07	.80	-1.89	1.51	-1.40	5.66	3.05	42.40	5.19
FROSTBURG 2	3.34	-.57	4.89	1.07	3.47	-.15	1.13	-2.08	2.09	-1.67	5.27	2.11	49.11	4.55
SHARPSBURG 5 S	4.87		2.51		4.56		2.31		M 2.71		M			
WILLIAMSPORT	3.75		M 1.41		3.12		1.09		1.87		5.44		M 37.16	
--DIVISIONAL DATA----->	4.08	.44	3.75	.30	3.57	.08	1.33	-1.75	1.82	-1.45	5.46	2.59	44.63	4.57
ALLEGHENY PLATEAU 08														
OAKLAND 1 SE	M 5.62		M 2.84		1.90	-1.66	M .72		M 2.81		M 10.75			
SAVAGE RIVER DAM	3.83	-.36	4.63	1.26	3.10	-.38	.77	-2.04	M 1.86		5.64	2.90	M 46.35	
--DIVISIONAL DATA----->	3.83	-1.04	4.63	.72	2.50	-1.10	.77	-2.26			5.64	2.06		
<b>DELAWARE</b>														
<b>NORTHERN 01</b>														
BEAR 2 SW	5.75		1.48		5.15		M		3.76		4.35			
NEWARK UNIV FARM														
WILMINGTON NEW CASTLE R	4.69	.41	1.16	-2.35	5.19	1.18	1.81	-1.27	3.51	.32	4.39	.99	40.44	-2.37
WILMINGTON PORTER RSVR	7.07	2.68	1.34	-2.71	5.57	1.62	2.26	-1.04	4.02	.22	4.46	.62	44.82	-1.24
--DIVISIONAL DATA----->	5.84	1.34	1.33	-2.39	5.30	.98	2.04	-1.32	3.76	.38	4.40	.78	42.76	-2.74
<b>SOUTHERN 02</b>														
DOVER	4.73	.57	.59	-4.14	M 3.89		3.11	-.15	4.23	1.07	4.95	1.45	M 43.12	
GREENWOOD 2NE	3.95	-.89	.16	-3.91	3.95	-.16	1.56	-1.59	4.24	1.11	5.65	2.05	40.32	-5.67
LEWES	4.74	.55	1.93	-3.41	6.26	2.49	2.00	-1.42	6.21	2.88	6.46	2.79	M 47.70	
--DIVISIONAL DATA----->	4.47	.55	.89	-4.00	5.11	.96	2.22	-1.16	4.89	1.60	5.69	2.15	43.70	-2.04

# AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL(°F)

MARYLAND AND DELAWARE  
2008

STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.
<b>MARYLAND</b>																										
<b>SOUTHERN EASTERN</b>																										
<b>SHORE 01</b>																										
ASSATEAGUE	40.3	4.0	42.1	4.1	48.9	5.0	54.8	2.3	62.8	1.3	75.2	5.0	75.7	.1	76.5	1.1	73.1	2.8	M		49.2	-5	44.2	3.3	M	
PRINCESS ANNE	M		M41.5	3.0	M		M		M		M73.8	1.9	M		M		M		M		M		M		M	
SALISBURY	40.2	3.0	43.5	4.2	50.3	3.3	58.8	2.9	M		77.3	4.4	78.8	1.3	75.6	-4	72.2	2.2	58.3	-8	48.2	-1.8	44.9	3.7	M	
SALISBURY FAA AP	35.2	-.5	39.4	1.5	46.0	.5	54.9	.6	59.9	-3.5	73.5	1.3	75.6	-1.7	71.2	-4.3	68.6	-.5	54.2	-3.4	44.8	-3.8	42.3	2.3	55.5	-1.0
SNOW HILL 4 N	39.1	2.1	41.8	2.8	48.8	2.3	58.4	2.9	63.4	-1.4	77.0	4.1	77.3	.3	73.1	-2.2	71.1	1.5	57.5	-.9	46.7	-2.7	44.5	3.5	58.2	1.0
--DIVISIONAL DATA----->	38.7	2.7	41.7	3.9	48.5	3.2	56.7	2.6	62.0	-1.2	75.4	3.6	76.9	.2	74.1	-1.2	71.3	2.0	56.7	-1.6	47.2	-1.6	44.0	3.7	57.8	1.4
<b>CENTRAL EASTERN</b>																										
<b>SHORE 02</b>																										
ROYAL OAK 2 SSW	39.1	3.0	41.4	2.9	48.4	1.7	58.7	2.6	64.1	-1.6	76.7	2.5	78.8	.2	76.1	-.8	72.1	1.4	58.3	-1.5	47.8	-2.3	42.1	1.3	58.6	.8
VIENNA	M39.4	3.3	M41.4	3.2	49.1	2.7	58.0	2.4	62.7	-2.2	77.6	4.3	M79.6	1.5	74.9	-1.2	71.8	1.9	58.6	-.2	47.0	-2.3	42.0	1.5	M58.5	1.2
--DIVISIONAL DATA----->	39.3	4.5	41.4	4.5	48.8	3.5	58.4	3.9	63.4	-.9	77.2	4.3	79.2	1.5	75.5	-.4	72.0	2.8	58.5	.3	47.4	-.7	42.1	2.8	58.6	2.2
<b>LOWER SOUTHERN 03</b>																										
MECHANICSVILLE 5 NE	36.1	1.2	37.8	-.1	44.8	-1.4	55.7	.4	59.3	-4.6	73.8	1.8	75.5	-1.1	72.2	-2.6	67.6	-.7	53.9	-2.8	44.5	-3.4	38.6	-.9	55.0	-1.2
SOLOMONS	M		M41.7		M		M55.5		M		M		78.8		76.5		72.7		59.4		48.2		42.5		M	
--DIVISIONAL DATA----->	36.1	2.1	39.8	2.9	44.8	-.4	55.6	1.4	59.3	-4.1	73.8	2.1	77.2	.9	74.4	-.3	70.2	2.1	56.7	-.2	46.4	-.9	40.6	1.8	56.2	.6
<b>UPPER SOUTHERN 04</b>																										
BALTIMORE WASH INTL AP R	35.4	3.1	37.1	1.6	45.0	1.3	55.8	2.6	60.5	-2.4	75.3	3.5	77.5	1.0	73.6	-.9	69.4	2.0	55.6	.2	45.4	-.1	38.5	1.8	55.8	1.1
BELTSVILLE	35.5	2.9	37.3	1.9	44.7	.9	55.6	2.3	61.1	-1.9	75.1	3.0	77.0	.1	72.9	-2.4	69.9	1.5	55.5	-.6	45.2	-1.5	38.1	.8	55.7	.6
DALECARLIA RSVR	35.8	1.8	37.9	.5	46.0	.3	56.6	1.0	61.0	-3.9	75.5	2.3	77.8	.2	74.4	-1.8	70.3	1.0	55.8	-1.5	45.0	-2.2	38.2	.0	56.2	-.2
LAUREL 3 W	36.6	3.5	37.2	.9	45.3	.4	56.6	1.7	61.8	-2.8	76.6	3.8	78.7	.9	75.0	-1.5	71.2	2.1	57.2	-.4	46.1	-1.4	38.5	.7	56.7	.7
MD SCI CTR BALTIMORE R	38.4		39.3		47.4		57.9		63.8		78.4		80.6		77.0		72.3		58.7		47.5		40.2		58.5	
NATL ARBORETUM DC	36.8	3.3	38.9	2.7	46.6	2.2	56.9	2.8	62.8	-1.3	76.5	3.4	78.8	.9	75.1	-1.0	71.1	2.4	57.2	.6	46.7	-.2	39.6	1.6	57.3	1.5
OXON HILL	38.4		39.7		47.4		57.9		62.8		76.9		78.5		74.8		70.7		56.8		46.0		39.3		57.4	
UPPER MARLBORO 3 NNW	36.0	3.5	37.8	2.4	44.8	1.0	55.8	2.4	61.1	-1.6	75.5	4.2	77.0	1.1	73.5	-.6	69.5	2.3	55.4	.1	45.0	-1.3	38.5	1.5	55.8	1.3
--DIVISIONAL DATA----->	36.6	3.3	38.2	1.9	45.9	1.4	56.6	2.5	61.9	-1.7	76.2	3.9	78.2	1.1	74.5	-.9	70.6	2.3	56.5	.1	45.9	-.8	38.9	1.3	56.7	1.2
<b>NORTHERN EASTERN</b>																										
<b>SHORE 05</b>																										
CHESTERTOWN	36.0	2.8	37.1	1.2	45.3	.9	56.4	2.3	60.8	-3.1	75.4	2.7	77.3	-.1	74.0	-1.8	69.5	.7	55.9	-1.3	45.4	-1.7	38.9	1.3	56.0	.3
--DIVISIONAL DATA----->	36.0	3.3	37.1	1.8	45.3	1.5	56.4	3.1	60.8	-2.2	75.4	3.7	77.3	.7	74.0	-.9	69.5	1.7	55.9	-.6	45.4	-1.1	38.9	1.6	56.0	1.1
<b>NORTHERN CENTRAL 06</b>																										
ABERDEEN PHILLIPS FLD	37.2	3.6	36.6	-.2	42.9	-1.9	55.3	.7	59.7	-4.2	75.0	2.8	77.3	.3	73.1	-2.3	69.4	.5	55.2	-2.1	45.4	-2.2	37.8	-.5	55.4	-.5
CATOCTIN MTN PARK	33.0	4.0	31.9	-.3	42.0	1.1	54.5	2.6	59.9	-1.7	72.7	3.5	74.3	1.2	70.4	-1.1	66.7	1.6	53.9	-.6	41.8	-2.0	M		M	
CONOWINGO DAM	33.9	3.0	36.6	2.9	M42.9	.5	54.6	2.2	60.3	-2.3	76.7	5.2	77.9	1.7	72.9	-1.9	68.9	1.2	55.0	-.6	45.5	.6	36.8	1.0	M55.2	1.1
CYLBURN	34.6		36.1		43.2		54.3		58.2		73.3		75.0		M71.1		66.3		53.2		44.1		37.8		M53.9	
EMMITSBURG 2 SE	32.9	1.9	32.5	-1.6	40.9	-2.1	52.8	.0	56.7	-5.5	71.2	.7	73.7	-1.3	69.7	-3.6	66.4	.0	52.3	-2.6	43.4	-1.4	34.7	-1.2	52.3	-1.4
FREDERICK 2 NNE	34.4		34.4		42.9		54.6		59.0		74.5		76.7		72.4		68.2		53.7		44.0		36.0		54.2	
MILLERS 4 NE	33.4	3.0	33.2	-.2	42.0	.3	54.4	2.6	58.4	-2.9	71.7	2.0	73.9	.0	69.7	-2.8	66.2	.6	52.6	-2.4	42.5	-2.3	35.1	-.3	52.8	-.2
SMITHSBURG 2NW	32.8		31.7		40.2		52.7		55.2		70.8		72.3		68.7		65.1		50.6		41.4		34.3		51.3	
--DIVISIONAL DATA----->	34.0	2.8	34.1	.1	42.1	-.6	54.2	1.9	58.4	-3.9	73.2	2.5	75.1	-.2	71.0	-2.5	67.2	.6	53.3	-2.0	43.5	-1.4	36.1	.3	53.5	-.1

# AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL(°F)

MARYLAND AND DELAWARE  
2008

STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.
<b>APPALACHIAN MOUNTAIN 07</b>																										
CUMBERLAND 2	34.7	4.4	35.0	1.1	45.2	2.5	58.8	5.9	61.8	-.4	73.4	3.2	75.8	1.3	72.1	-.8	68.7	2.9	55.5	1.6	44.4	.8	37.3	3.1	55.2	2.1
FROSTBURG 2	27.5	3.0	27.3	.0	35.4	.1	50.8	4.9	53.8	-2.4	67.4	3.2	68.9	.4	65.2	-2.0	61.8	1.5	48.5	-.8	36.6	-2.5	29.4	-.1	47.7	.4
SHARPSBURG 5 S	33.5		33.1		41.1		54.0		57.0		71.3		73.6		69.8		66.3		52.1		41.9		M		M	
WILLIAMSPORT	33.8		33.1		M42.3		54.5		57.3		71.8		M74.4		70.5		67.1		53.0		43.2		34.6		M53.0	
--DIVISIONAL DATA----->																										
<b>ALLEGHENY PLATEAU 08</b>																										
OAKLAND 1 SE	26.2	-.6	28.3	-1.0	33.5	-4.4	48.5	1.0	53.1	-3.6	65.7	1.4	67.7	-.7	64.4	-2.7	60.7	-.1	46.0	-4.0	M33.9	-6.1	29.8	-1.5	M46.5	-1.9
SAVAGE RIVER DAM	28.4	2.2	29.2	.6	37.5	.4	51.6	4.2	54.7	-2.6	67.7	2.2	69.5	-.2	66.2	-2.1	62.6	1.1	49.1	-.9	37.4	-3.0	31.3	.3	48.8	.2
--DIVISIONAL DATA----->																										
<b>DELAWARE NORTHERN 01</b>																										
BEAR 2 SW	34.3		35.9		43.8		54.9		59.1		74.0		76.6		72.1		68.6		M		45.2		38.2		M	
NEWARK UNIV FARM	M		M		M																					
WILMINGTON NEW CASTLE R	35.7	4.2	36.9	2.7	44.5	1.8	54.7	2.3	60.2	-2.3	75.1	3.6	78.1	1.5	73.2	-1.8	69.7	2.0	55.6	-.2	45.3	-.6	M38.3	1.9	M55.6	1.3
WILMINGTON PORTER RSVR	34.6	4.5	34.9	2.2	43.2	1.4	55.2	3.7	59.2	-2.7	74.9	4.1	77.4	2.2	72.7	-1.1	68.0	1.2	54.5	-1.1	43.9	-1.8	36.6	1.3	54.6	1.2
--DIVISIONAL DATA----->																										
<b>SOUTHERN 02</b>																										
DOVER	38.1	2.8	41.2	3.5	47.4	2.0	56.6	2.0	62.5	-1.8	76.3	3.4	79.0	1.2	74.8	-1.4	71.6	1.7	58.1	-.7	47.3	-1.9	42.4	2.5	57.9	1.1
GREENWOOD 2NE	36.1	3.0	38.2	3.9	43.7	.4	54.7	2.5	59.7	-2.1	74.3	3.6	76.2	.5	72.8	-1.1	68.9	2.0	54.9	-1.1	44.9	-1.6	39.3	2.0	55.3	1.0
LEWES	40.0	3.6	42.0	3.7	48.5	2.9	56.8	2.2	63.5	-.5	78.0	5.5	79.4	2.1	75.2	-.7	71.7	1.5	59.3	.1	47.9	-2.1	44.7	3.6	58.9	1.8
--DIVISIONAL DATA----->																										
	38.1	3.5	40.5	4.1	46.5	2.1	56.0	2.8	61.9	-1.0	76.2	4.5	78.2	1.7	74.3	-.5	70.7	2.4	57.4	.1	46.7	-1.0	42.1	3.1	57.4	1.8

# TEMPERATURE EXTREMES AND FREEZE DATA (°F)

MARYLAND AND DELAWARE  
2008

STATION	HIGHEST	DATE	LOWEST	DATE	LAST SPRING MINIMUM OF										FIRST FALL MINIMUM OF										NUMBER OF DAYS BETWEEN DATES				
					16° OR BELOW		20° OR BELOW		24° OR BELOW		28° OR BELOW		32° OR BELOW		32° OR BELOW		28° OR BELOW		24° OR BELOW		20° OR BELOW		16° OR BELOW		16° OR BELOW	20° OR BELOW	24° OR BELOW	28° OR BELOW	32° OR BELOW
					DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.					
<b>MARYLAND</b>																													
<b>SOUTHERN EASTERN SHORE 01</b>																													
ASSATEAGUE					1/22	15	2/11	19	2/21	24	2/29	25	4/17	32	MSG		MSG		MSG		MSG		MSG						
PRINCESS ANNE					MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG						
SALISBURY	98	6/10	16	1/21	1/21	16	2/12	20	2/29	21	2/29	21	MSG		10/31	31	11/19	26	11/23	22	12/22	20	NONE						
SALISBURY FAA AP	97	6/10	6	1/21	2/29	13	2/29	13	3/24	23	4/17	26	4/17	26	10/19	30	10/24	28	10/31	24	11/22	18	11/23	15	268	314	267	221	185
SNOW HILL 4 N	99	6/10	8	1/21	2/29	15	2/29	15	3/24	23	4/16	27	4/16	27	10/20	32	10/31	26	11/22	23	11/23	18	12/23	13	298	268	243	198	187
<b>CENTRAL EASTERN SHORE 02</b>																													
ROYAL OAK 2 SSW	97	6/10	11	12/22	2/11	16	2/29	20	2/29	20	3/24	28	4/3	32	11/19	29	11/22	28	12/6	20	12/6	20	12/22	11	315	281	281	243	230
VIENNA	99	6/12	12	1/21	2/11	14	2/29	17	2/29	17	3/25	28	4/16	32	10/31	30	11/11	28	11/23	20	11/23	20	12/23	16	316	268	268	231	198
<b>LOWER SOUTHERN 03</b>																													
MECHANICSVILLE 5 NE	95	6/11	8	1/22	3/1	16	3/1	16	3/12	24	3/26	27	4/17	31	10/20	32	11/19	26	11/22	23	12/6	19	12/23	13	297	280	255	238	186
SOLOMONS					MSG		MSG		MSG		MSG		MSG		11/19	30	11/22	28	12/8	23	12/23	19	NONE						
<b>UPPER SOUTHERN 04</b>																													
BALTIMORE WASH INTL AP R	96	6/10	8	1/21	2/29	16	2/29	16	3/2	23	3/25	27	4/3	30	10/20	32	11/18	27	11/19	24	12/6	18	12/22	15	297	281	262	238	200
BELTSVILLE	97	6/11	10	1/21	2/12	15	2/29	18	3/2	22	3/25	27	4/3	31	10/20	30	11/11	28	11/23	21	12/6	18	12/22	15	314	281	266	231	200
DALECARLIA RSVR	99	6/11	11	1/5	2/14	12	3/1	20	3/2	24	3/25	28	3/31	31	10/30	31	11/19	27	11/22	23	12/6	20	12/22	15	312	280	265	239	213
LAUREL 3 W	97	6/10	12	12/22	2/21	16	2/29	20	2/29	20	3/9	26	3/30	30	11/11	31	11/19	24	11/19	24	12/6	20	12/22	12	305	281	264	255	226
MD SCI CTR BALTIMORE R	99	6/10	15	2/11	2/11	15	2/21	20	2/29	24	2/29	24	3/10	31	11/18	32	11/19	27	12/7	24	12/22	16	12/22	16	315	305	282	264	253
NATL ARBORETUM DC	96	6/11	15	2/11	2/12	16	2/29	20	2/29	20	3/10	27	3/30	31	11/19	28	11/19	28	11/24	24	12/22	17	12/23	16	315	297	269	254	234
OXON HILL	98	6/8	15	12/24	2/12	16	2/29	20	3/1	24	3/2	28	3/13	31	11/18	32	11/19	27	12/6	21	12/22	16	12/22	16	314	297	280	262	250
UPPER MARLBORO 3 NNW	97	6/11	11	1/21	3/1	16	3/1	16	3/2	23	3/25	28	4/16	32	10/20	31	11/19	26	11/23	23	12/6	17	12/22	16	296	280	266	239	187
<b>NORTHERN EASTERN SHORE 05</b>																													
CHESTERTOWN	95	6/10	13	2/11	2/21	16	2/29	18	2/29	18	3/13	28	3/30	29	10/31	32	11/19	26	11/24	23	12/6	20	12/22	15	305	281	269	251	215
<b>NORTHERN CENTRAL 06</b>																													
ABERDEEN PHILLIPS FLD	98	6/11	11	2/11	3/1	16	3/1	16	3/10	24	3/29	28	3/31	30	10/20	31	11/19	27	11/22	24	12/6	20	12/22	15	296	280	257	235	203
CATOCTIN MTN PARK	94	6/9			2/29	11	3/9	18	3/30	24	4/14	28	4/16	29	10/23	30	11/18	22	11/18	22	11/22	15	11/22	15	267	258	233	218	190
CONOWINGO DAM	101	6/10	8	2/11	3/10	15	3/10	15	4/3	22	4/4	28	5/1	32	10/24	30	11/19	28	11/22	14	11/22	14	11/22	14	257	257	233	229	176
CYLBURN	93	6/8	10	12/23	2/28	15	2/29	17	2/29	17	3/30	28	4/3	30	10/31	30	11/19	23	11/19	23	12/6	19	12/22	13	298	281	264	234	211
EMMITSBURG 2 SE	91	7/22	7	1/21	3/1	16	3/1	16	3/26	23	4/4	27	4/17	30	10/20	28	10/20	28	11/19	22	11/24	20	12/6	16	280	268	238	199	186
FREDERICK 2 NNE	98	6/11	11	1/21	2/22	12	3/1	20	3/26	24	3/31	28	4/16	32	10/20	30	11/19	25	11/23	22	11/24	19	12/6	16	288	268	242	233	187
MILLERS 4 NE	91	6/10	6	1/21	2/29	16	2/29	16	3/30	24	4/3	27	4/14	31	10/20	29	11/18	26	11/19	21	11/22	20	12/6	14	281	267	234	229	189
SMITHSBURG 2NW	93	6/8	2	2/21	2/29	15	3/25	20	3/25	20	4/16	28	5/12	31	10/18	32	10/19	28	11/18	21	11/19	16	11/19	16	264	239	238	186	159
<b>APPALACHIAN MOUNTAIN 07</b>																													
CUMBERLAND 2	97	7/18	9	2/21	2/29	16	2/29	16	3/9	24	3/25	25	4/16	32	10/20	30	11/11	26	11/23	17	11/23	17	12/6	15	281	268	259	231	187
FROSTBURG 2	89	6/7	-1	2/21	3/10	14	3/26	19	3/30	22	3/31	26	4/30	31	10/18	32	10/23	27	11/11	21	11/19	18	11/22	15	257	238	226	206	171
SHARPSBURG 5 S	94	6/11			2/29	14	3/3	19	3/26	21	4/16	28	4/17	30	10/19	29	10/20	28	11/11	23	11/19	17	11/23	16	268	261	230	187	185



# TEMPERATURE EXTREMES AND FREEZE DATA (°F)

MARYLAND AND DELAWARE  
2008

STATION	HIGHEST	DATE	LOWEST	DATE	LAST SPRING MINIMUM OF										FIRST FALL MINIMUM OF										NUMBER OF DAYS BETWEEN DATES				
					16° OR BELOW		20° OR BELOW		24° OR BELOW		28° OR BELOW		32° OR BELOW		32° OR BELOW		28° OR BELOW		24° OR BELOW		20° OR BELOW		16° OR BELOW		16° OR BELOW	20° OR BELOW	24° OR BELOW	28° OR BELOW	32° OR BELOW
					DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.					
WILLIAMSPORT ALLEGHENY PLATEAU 08	95	6/10	8	2/22	2/22	8	3/1	19	3/3	23	3/26	25	4/17	32	10/20	30	11/11	28	11/19	23	11/23	19	12/8	16	290	267	261	230	186
OAKLAND 1 SE	87	7/18	-1	12/22	3/26	16	3/28	20	4/16	23	4/16	23	4/20	32	10/17	28	10/17	28	10/18	23	10/21	18	11/10	16	229	207	185	184	180
SAVAGE RIVER DAM	88	6/8	2	2/22	3/2	9	3/10	19	3/26	22	4/15	28	4/17	29	10/18	32	10/19	28	11/11	22	10/21	20	11/23	13	266	257	230	187	184
DELAWARE NORTHERN 01																													
BEAR 2 SW					2/29	13	2/29	13	3/25	24	4/3	27	4/17	32	MSG		MSG		MSG		MSG		12/22	16	297				
NEWARK UNIV FARM					MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG						
WILMINGTON NEW CASTLE R	96	7/19	12	2/11	2/11	12	2/29	19	2/29	19	3/30	28	4/16	32	10/30	32	11/19	25	11/22	23	12/6	20	12/22	15	315	281	267	234	197
WILMINGTON PORTER RSVR	96	6/10	9	2/11	2/11	9	2/29	17	2/29	17	3/10	26	3/29	30	10/31	32	11/18	28	11/22	22	12/7	19	12/22	13	315	282	267	253	216
SOUTHERN 02																													
DOVER	97	6/10	12	2/11	2/11	12	2/21	19	2/29	21	3/13	28	3/30	32	11/11	32	11/19	26	12/6	22	12/22	15	12/22	15	315	305	281	251	226
GREENWOOD 2NE	97	6/11	11	1/22	3/1	16	3/1	16	3/1	16	3/26	26	4/18	32	10/20	32	11/11	28	11/23	19	11/23	19	12/23	14	297	267	267	230	185
LEWES	100	6/10	15	2/11	2/11	15	2/11	15	2/28	22	2/29	26	3/24	29	11/19	28	11/19	28	11/23	24	12/22	18	NONE			315	269	264	240

MARYLAND AND DELAWARE  
2008

# MONTHLY AND SEASONAL COOLING DEGREE DAYS

## BASE = 65 DEGREES FAHENHEIT

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	SEASONAL NORM
<b>MARYLAND SOUTHERN EASTERN SHORE 01</b>														
ASSATEAGUE	0	0	1	2	30	312	339	364	253	-	0	0	-	1066
PRINCESS ANNE	-	B 0	-	-	-	B 267	-	-	-	-	-	-	-	1092
SALISBURY	0	0	0	20	-	377	432	337	228	24	1	0	-	1246
SALISBURY FAA AP	0	1	0	4	30	268	335	200	142	12	1	0	993	1155
SNOW HILL 4 N	0	0	1	10	71	366	389	257	203	28	0	0	1325	1194
<b>CENTRAL EASTERN SHORE 02</b>														
ROYAL OAK 2 SSW	0	0	0	22	68	356	434	351	226	27	0	0	1484	1392
VIENNA	B 0	B 0	0	15	47	383	B 462	313	216	30	0	0	B1466	1274
<b>LOWER SOUTHERN 03</b>														
MECHANICSVILLE 5 NE	0	0	0	13	25	270	330	231	128	9	0	0	1006	1093
SOLOMONS	-	B 0	-	B 4	-	-	432	364	239	28	0	0	-	
<b>UPPER SOUTHERN 04</b>														
BALTIMORE WASH INTL AP R	0	0	0	6	33	317	395	274	158	19	0	0	1202	1147
BELTSVILLE	0	0	0	16	50	310	377	251	178	12	0	0	1194	1109
DALECARLIA RSVR	0	0	0	28	33	324	402	298	182	13	0	0	1280	1258
LAUREL 3 W	0	0	0	20	39	356	432	313	205	29	0	0	1394	1271
MD SCI CTR BALTIMORE R	0	0	0	24	64	408	491	374	235	38	0	0	1634	
NATL ARBORETUM DC	0	0	0	22	57	351	436	321	202	16	0	0	1405	1243
OXON HILL	0	0	0	34	54	364	426	312	193	18	0	0	1401	
UPPER MARLBORO 3 NNW	0	0	0	13	45	319	378	270	170	19	0	0	1214	1002
<b>NORTHERN EASTERN SHORE 05</b>														
CHESTERTOWN	0	0	0	7	28	320	388	285	164	19	0	0	1211	1183
<b>NORTHERN CENTRAL 06</b>														
ABERDEEN PHILLIPS FLD	0	0	0	5	22	305	386	262	161	10	0	0	1151	1153
CATOCTIN MTN PARK	0	0	0	6	32	247	296	175	103	17	0	-	-	733
CONOWINGO DAM	0	0	B 0	5	27	358	409	249	142	7	0	0	B1197	1068
CYLBURN	0	0	0	5	14	257	316	B 195	100	4	0	0	B 891	
EMMITSBURG 2 SE	0	0	0	1	7	204	275	151	98	4	0	0	740	918
FREDERICK 2 NNE	0	0	0	8	22	295	370	237	133	5	0	0	1070	
MILLERS 4 NE	0	0	0	3	18	220	279	155	99	6	0	0	780	790
SMITHSBURG 2NW	0	0	0	6	10	192	232	126	73	4	0	0	643	
<b>APPALACHIAN MOUNTAIN 07</b>														
CUMBERLAND 2	0	0	0	24	48	266	341	232	135	15	0	0	1061	877
FROSTBURG 2	0	0	0	0	1	113	132	48	34	1	0	0	329	344
SHARPSBURG 5 S	0	0	0	8	15	208	273	158	99	4	0	-	-	
WILLIAMSPORT	0	0	B 0	5	11	222	B 297	177	106	6	0	0	B 824	
<b>ALLEGHENY PLATEAU 08</b>														
OAKLAND 1 SE	0	0	0	0	1	86	107	37	28	0	B 0	0	B 259	316
SAVAGE RIVER DAM	0	0	0	0	5	117	150	63	30	1	0	0	366	414
<b>DELAWARE NORTHERN 01</b>														
BEAR 2 SW	0	0	0	1	20	282	365	229	142	-	0	0	-	
NEWARK UNIV FARM	-	-	-	-	-	-	-	-	-	-	-	-	-	1047
WILMINGTON NEW CASTLE R	0	0	0	1	28	311	413	259	166	12	0	B 0	B1190	1125
WILMINGTON PORTER RSVR	0	0	0	5	22	304	392	245	126	8	0	0	1102	930
<b>SOUTHERN 02</b>														

MARYLAND AND DELAWARE  
2008MARYLAND AND DELAWARE  
2008

MARYLAND AND DELAWARE  
2008

## TOTAL PAN EVAPORATION AND WIND MOVEMENT

STATION		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
<b>MARYLAND UPPER SOUTHERN 04</b> BELTSVILLE	WIND	-	-	-	B 1670	1909	1394	910	B 1133	B 1190	B 1366	-	-	-
	EVAP	-	-	-	B 3.97	B 5.65	7.30	6.74	B 6.14	B 4.52 B	3.60	-	-	-
	MAX TEMP	-	-	-	M 82.5	M 84.2	M 98.4	M 92.8	M -	M 81.5	M -	-	-	M -
	MIN TEMP	-	-	-	M 54.8	M 61.1	M 73.5	M 69.4	M -	M 59.1	M -	-	-	M -
	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-
UPPER MARLBORO 3 NNW	EVAP	-	-	B 3.82	B 4.01	B 5.67	B 7.00	6.91	-	B 3.81 B	3.62	B 2.62	-	-
	MAX TEMP	-	-	62.4	73.5	79.8	96.7	96.3	91.9	85.9	71.3	55.2	-	M -
	MIN TEMP	-	-	38.6	48.1	52.8	66.5	68.6	64.4	61.1	46.7	40.3	-	M -
	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>ALLEGHENY PLATEAU 08</b> SAVAGE RIVER DAM	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-
	MAX TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>DELAWARE NORTHERN 01</b> NEWARK UNIV FARM	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-
	MAX TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-

# STATION INDEX

STATION	INDEX NO.	DIVISION NO.	COUNTY	LATITUDE	LONGITUDE	ELEVATION FEET	YEARS OF RECORD			OPENED OR CLOSED DURING YR		SEE REFERENCE NOTES
							TEMP.	PRECIP.	EVAP.	MONTH OPENED	MONTH CLOSED	
MARYLAND												
ABERDEEN PHILLIPS FLD	0015	06	HARFORD	39 28	76 10W	57	84	84	0			C H
ASSATEAGUE	0335	01	WORCESTER	38 4	75 13W	10	42	42	0			H
BALTIMORE WASH INTL AP R	0465	04	ANNE ARUNDEL	39 10	76 41W	156	75	75	0			C HJ
BELTSVILLE	0700	04	PRINCE GEORG	39 2	76 56W	145	71	71	68			C H
CATOCTIN MTN PARK	1530	06	FREDERICK	39 39	77 29W	1610	43	43	0			H
CHESTERTOWN	1750	05	KENT	39 13	76 3W	40	104	104	0			H
CONOWINGO DAM	2060	06	HARFORD	39 39	76 11W	40	74	74	0			H
CUMBERLAND 2	2282	07	ALLEGANY	39 39	78 45W	730	37	37	0			H
CYLBURN	2308	06	BALTIMORE	39 22	76 38W	400	6	6	0			H
DALECARLIA RSVR	2325	04	PRINCE GEORG	38 56	77 7W	150	64	64	0			H
EMMITSBURG 2 SE	2906	06	FREDERICK	39 41	77 17W	403	54	54	0			H
FREDERICK 2 NNE	3353	06	FREDERICK	39 26	77 24W	280	5	5	0			H
FROSTBURG 2	3415	07	ALLEGANY	39 40	78 56W	2170	38	38	0			H
LAUREL 3 W	5111	04	PRINCE GEORG	39 5	76 54W	400	116	119	0			H
MD SCI CTR BALTIMORE R	5718	04	BALTIMORE (C	39 17	76 37W	20	10	10	0			C H
MECHANICSVILLE 5 NE	5865	03	ST. MARY'S	38 28	76 42W	100	48	48	0			H
MILLERS 4 NE	5934	06	CARROLL	39 43	76 48W	860	23	23	0			C H
NATL ARBORETUM DC	6350	04	PRINCE GEORG	38 55	76 58W	50	62	62	0			H
OAKLAND 1 SE	6620	08	GARRETT	39 25	79 24W	2420	112	112	0			H
OXON HILL	6800	04	PRINCE GEORG	38 48	77 0W	120	8	8	0			H
POTOMAC FLTR PLT	7272	06	MONTGOMERY	39 2	77 15W	270	0	48	0			H
PRINCESS ANNE	7330	01	SOMERSET	38 13	75 41W	20	61	61	0			H
ROYAL OAK 2 SSW	7806	02	TALBOT	38 43	76 11W	10	62	62	0			H
SALISBURY	8000	01	WICOMICO	38 22	75 35W	10	103	103	0			H
SALISBURY FAA AP	8005	01	WICOMICO	38 20	75 31W	48	62	62	0			H
SAVAGE RIVER DAM	8065	08	GARRETT	39 31	79 8W	1495	59	62	59			C H
SHARPSBURG 5 S	8207	07	WASHINGTON	39 24	77 43W	500	11	11	0			H
SMITHSBURG 2NW	8371	06	WASHINGTON	39 40	77 35W	670	7	8	0			H
SNOW HILL 4 N	8380	01	WORCESTER	38 14	75 23W	30	94	94	0			H
SOLOMONS	8405	03	CALVERT	38 19	76 27W	12	100	100	0			H
UPPER MARLBORO 3 NNW	9070	04	PRINCE GEORG	38 52	76 47W	100	52	52	52			H
VIENNA	9140	02	DORCHESTER	38 29	75 49W	10	61	61	0			H
WILLIAMSPORT	9570	07	WASHINGTON	39 36	77 50W	360	10	49	0			H
DELAWARE												
BEAR 2 SW	1200	01	NEW CASTLE	39 36	75 44W	80	6	6	0			H
DOVER	2730	02	KENT	39 16	75 31W	30	122	121	0			H
GREENWOOD 2NE	3595	02	SUSSEX	38 49	75 35W	45	25	25	0			H
LEWES	5320	02	SUSSEX	38 47	75 8W	15	66	66	0			H
NEWARK UNIV FARM	6410	01	NEW CASTLE	39 40	75 45W	90	96	96	52			C H
WILMINGTON NEW CASTLE R	9595	01	NEW CASTLE	39 40	75 36W	79	62	62	0			C HJ
WILMINGTON PORTER RSVR	9605	01	NEW CASTLE	39 46	75 32W	270	98	98	0			H

# 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.

**TEMPERATURE EXTREMES AND FREEZE DATA:** Spring minimum dates are obtained from data for January through June; Fall dates are from July through December data. "NONE" indicates temperature threshold not reached. "MSG" indicates available data insufficient to determine date.

**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.

**SOIL TEMPERATURE EXTREMES:** The highest and lowest Max and Min temperature for each month and the year.

**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 DATA TABLES

- No record. Data not recorded, determined unreliable by quality control checks, or not received in time for publication.
- \* Rain gage not read. Precipitation is included in the amount following asterisks. Time distribution not known.
- // 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 monthly bulletins to determine date of last reading. (Hawaii stations)
- B Estimated total value for wind, evaporation, or cooling degree days.
- 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.
- R Amounts from recording rain gage.
- T Trace. An amount too small to measure.
- V Includes total for previous month(s). (See \* above)
- Z Same as M but the Z has overprinted a negative sign or leading digit (e.g., Z14.6 = M-14.6, Z08.2 = M108.2)

## SYMBOLS AND LETTERS USED IN THE STATION INDEX TABLE

- # Thermometers located in rooftop shelter.
- C Station is equipped with a 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 "Soil Temperatures" table.
- H Observations appear in "Snowfall and Snow on the Ground" table in monthly "Climatological Data" publication.
- J Station also published as a "Local Climatological Data" bulletin.

**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 "Climatological Data".

Cooling degree days for the calendar year are published in the "Climatological Data Annual Summary".

Additional precipitation data are contained in the "Hourly Precipitation Data" bulletin for each state, except Alaska.

Information concerning the history of changes in locations, exposure, etc. of substations is kept on file at the National Climatic Data Center. Similar historical information of regular National Weather Service Offices is available from the "Local Climatological Data" annual bulletin.

Additional information regarding the climate of this state may be obtained by writing to the address below or to any weather service office near you. 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

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- FIRST ORDER DATA
- HOURLY PRECIPITATION DATA
- △ CLIMATOLOGICAL DATA AND  
HOURLY PRECIPITATION DATA

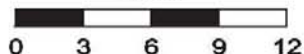
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station index and reference notes.

DIVISIONS:

1. NORTHERN
2. SOUTHERN

US DOC - NOAA - NCDC - ASHEVILLE NC  
Updated FEB 2000

Miles



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

19605 ●

16410 ■

19595 ○

1

22730 ●

2

25915 ●

23595 ●

25320 ●

# 18 - MARYLAND

## STATION LEGEND

### DATA PUBLISHED IN:

- CLIMATOLOGICAL DATA
- FIRST ORDER DATA
- HOURLY PRECIPITATION DATA
- ▲ CLIMATOLOGICAL DATA AND HOURLY PRECIPITATION DATA

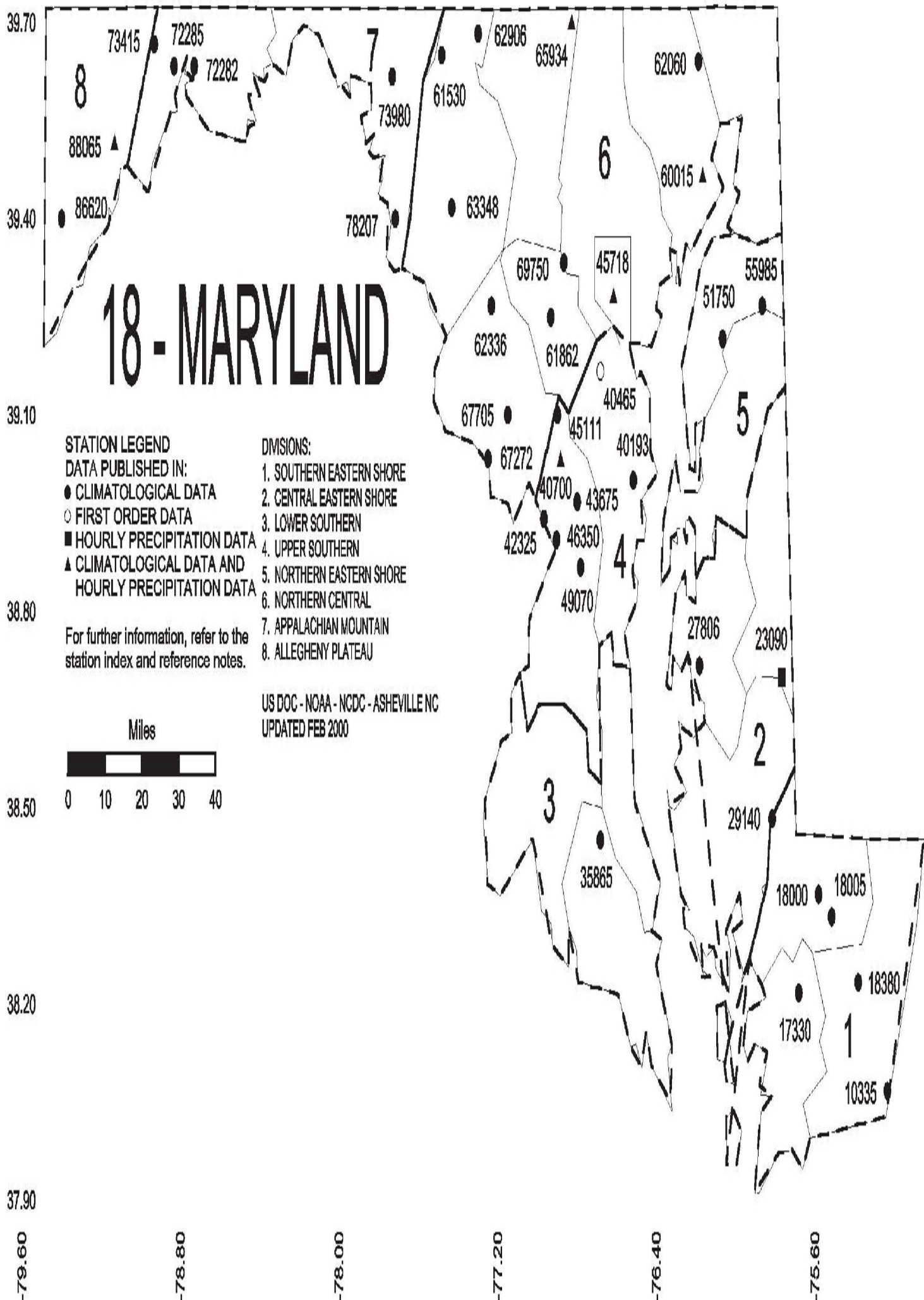
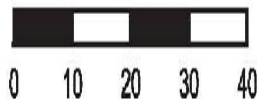
For further information, refer to the station index and reference notes.

## 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





**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 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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