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MARYLAND AND DELAWARE
2012

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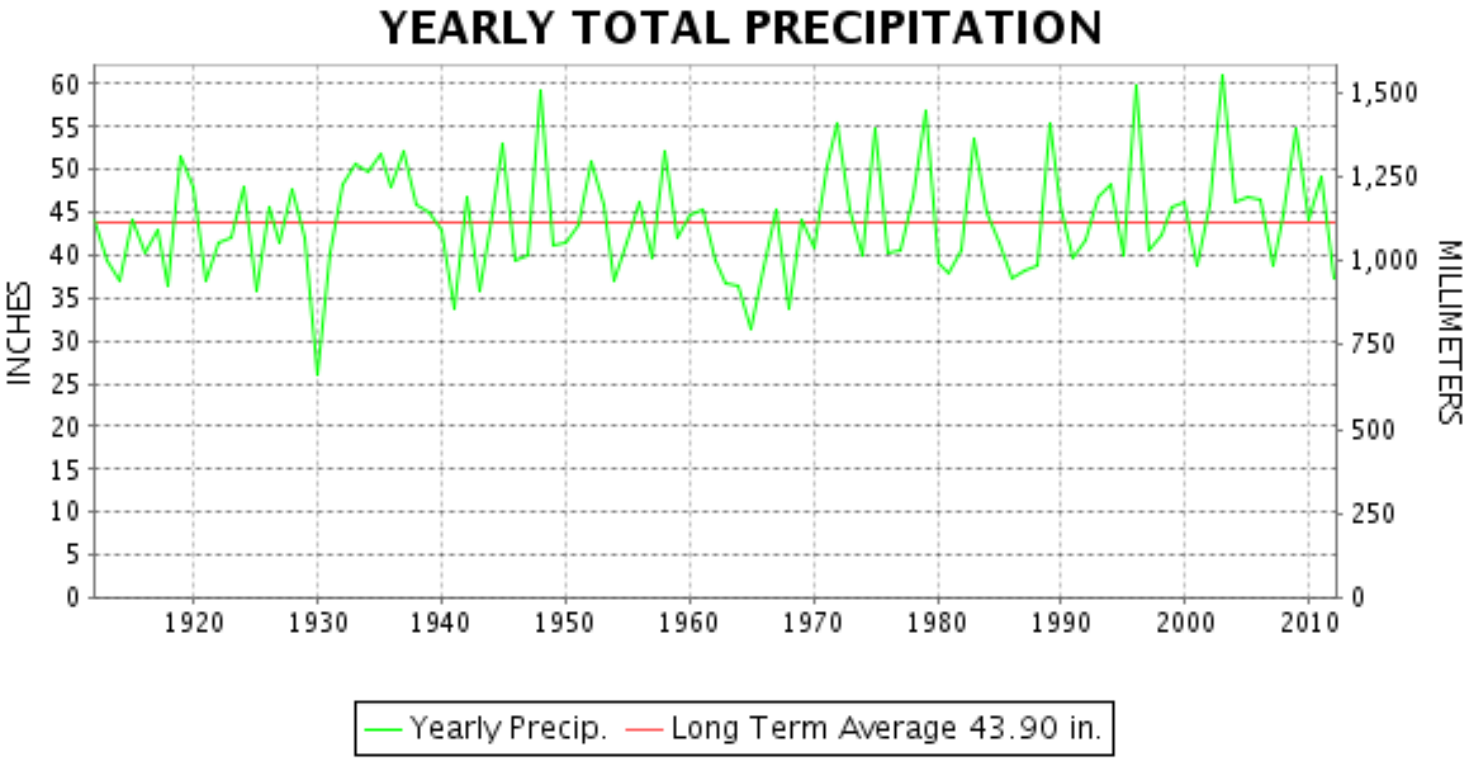

MARYLAND AND DELAWARE PRECIPITATION 1912-2012

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TOTAL PRECIPITATION AND DEPARTURE FROM NORMAL (INCHES)

MARYLAND AND DELAWARE
2012

STATION	JAN		FEB		MAR		APR		MAY		JUN	
	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
MARYLAND												
SOUTHERN EASTERN SHORE 01												
ASSATEAGUE	M		M		1.87	-2.63	4.66	1.26	M		2.78	-0.37
PRINCESS ANNE	M 2.82	-0.76	MA 2.97	0.06	M		M 0.38	-3.12	M 2.49	-1.09	M 2.25	-1.28
SNOW HILL 4 N	M		3.24	0.10	2.07	-2.45	3.22	-0.26	4.95	1.43	M 3.33	-0.14
SALISBURY 2N	M		3.34		2.03		3.41		2.09		2.89	
SALISBURY FAA AP	2.09	-1.52	3.60	0.25	1.10	-3.32	2.95	-0.60	2.60	-1.02	3.52	-0.19
--DIVISIONAL DATA-------->	2.09	-1.91	3.39	-0.03	1.77	-2.71	3.56	0.30	3.21	-0.41	3.06	-0.32
CENTRAL EASTERN SHORE 02												
ROYAL OAK 2 SSW	1.63		2.80		1.21		3.30		2.43		2.07	
--DIVISIONAL DATA-------->	1.63	-2.35	2.80	-0.51	1.21	-3.08	3.30	-0.09	2.43	-1.48	2.07	-1.48
LOWER SOUTHERN 03												
MECHANICSVILLE 5 NE	1.62		F 1.67		2.37		2.32		M		2.42	
SOLOMONS	1.39	1.39	2.05	2.05	3.13	3.13	3.47	3.47	2.61	2.61	1.39	1.39
--DIVISIONAL DATA-------->	1.51	-2.21	2.05	-0.97	2.75	-1.56	2.90	-0.30	2.61	-1.53	1.91	-1.87
UPPER SOUTHERN 04												
BALTIMORE WASH INTL AP	2.54		2.42		1.76		1.99		1.99		2.68	
BELTSVILLE	2.37	-0.49	0.76	-1.84	3.08	-0.60	2.02	-1.33	2.70	-1.62	3.13	-0.57
DALECARLIA RSVR	2.78	-0.24	1.95	-1.08	2.91	-1.09	2.35	-1.31	4.03	-0.41	3.02	-1.19
MARYLAND SCIENCE CENTER	1.75	-1.17	2.39	-0.21	1.17	-2.69	2.25	-0.97	2.44	-1.05	1.88	-1.39
LAUREL 3 W	2.28	-0.88	2.51	-0.52	1.89	-2.21	2.18	-1.63	3.69	-0.87	3.37	-0.86
OXON HILL	2.10	-0.92	1.15	-1.78	2.28	-1.50	2.16	-1.24	3.70	-0.66	3.62	-0.74
NATL ARBORETUM DC	1.98	-1.11	M 0.80	-2.10	4.01	0.29	M 2.06	-1.45	3.05	-1.23	M 2.85	-1.23
UPPER MARLBORO 3 NNW	2.21	-0.67	1.17	-1.55	2.51	-1.25	1.98	-1.57	2.59	-1.73	2.26	-1.81
--DIVISIONAL DATA-------->	2.25	-1.30	1.76	-1.16	2.45	-1.57	2.13	-1.21	3.02	-1.42	2.85	-0.81
NORTHERN CENTRAL 06												
ABERDEEN PHILLIPS FLD	2.16		0.67		1.72		2.41		3.39		FMA 2.59	
CATOCTIN MTN PARK	2.99	-0.58	1.60	-1.65	M		M		M		M	
BRIGHTON DAM	M 2.02		FA 0.36		FMA 1.30		2.23		FA 2.22		FA 0.16	
CONOWINGO DAM	3.07	-0.37	0.88	-1.97	1.78	-2.47	3.32	-0.61	2.11	-1.85	5.98	1.80
DAMASCUS 3 SSW	2.14	-1.23	2.84	-0.33	1.86	-1.83	1.82	-1.81	M 5.67	1.50	4.79	0.65
EMMITSBURG 2 SE	2.44	-0.74	0.93	-1.77	3.63	-0.42	2.49	-1.42	4.88	0.54	4.09	0.17
CYLBURN	MA 1.55	1.55	MA 1.07	1.07	2.28	2.28	2.61	2.61	MA 4.41	4.41	FA 6.97	6.97
FREDERICK 2 NNE	M 2.15	-0.84	1.74	-1.08	3.87	0.13	1.95	-1.67	4.33	-0.23	M 3.64	-0.36
MILLERS 4 NE	2.73	-0.48	2.32	-0.87	1.70	-2.02	2.77	-0.94	5.12	0.86	4.66	1.27
SMITHSBURG 2NW	2.97	0.31	M		M		3.78	-0.03	M 6.64	2.50	M 3.12	-1.07
WESTMINSTER	M		0.94	-1.55	1.89	-1.70	1.88	-1.62	3.53	-0.62	3.86	-0.06
--DIVISIONAL DATA-------->	2.64	-0.96	1.49	-1.43	2.34	-1.69	2.53	-1.00	3.89	-0.73	4.68	0.63
APPALACHIAN MOUNTAIN 07												
CUMBERLAND 2	3.10		1.37		3.97		1.00		4.08		1.97	
FROSTBURG 2	3.38	0.06	1.65	-1.47	4.17	0.23	1.27	-2.60	5.97	1.09	3.75	-0.25
SHARPSBURG 5 S	M		M		M		2.75	-0.87	5.95	1.79	3.41	-0.47
WILLIAMSPORT	M 1.68	-1.32	M 1.26	-0.71	M 2.71	-1.52	M 2.34	-0.86	M 5.09	0.94	M 2.49	-1.29

TOTAL PRECIPITATION AND DEPARTURE FROM NORMAL (INCHES)

MARYLAND AND DELAWARE
2012

STATION	JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
MARYLAND														
SOUTHERN EASTERN SHORE 01														
ASSATEAGUE	M		M		M		M		M		M			
PRINCESS ANNE	MA 3.57	-0.76	FMA 6.39	1.73	FMA 3.96	0.12	M		M		M			
SNOW HILL 4 N	3.58	-0.81	6.52	1.62	7.45	3.05	10.67	7.14	0.51	-3.01	4.81	1.14		
SALISBURY 2N	FA 3.74		8.51		10.66		M		0.67		4.10			
SALISBURY FAA AP	2.34	-2.04	5.38	0.95	7.74	3.76	9.20	5.71	0.44	-2.99	3.25	-0.46	44.21	-2.83
--DIVISIONAL DATA-------->	2.96	-1.35	6.80	2.06	8.62	4.86	9.94	6.57	0.54	-2.64	4.05	0.65	49.99	5.07
CENTRAL EASTERN SHORE 02														
ROYAL OAK 2 SSW	2.70		8.55		2.82		10.39		0.93		5.04		43.87	-2.00
--DIVISIONAL DATA-------->	2.70	-1.49	8.55	4.29	2.82	-1.00	10.39	7.15	0.93	-2.36	5.04	1.55	43.87	-0.85
LOWER SOUTHERN 03														
MECHANICSVILLE 5 NE	3.86		6.06		1.64		8.24		0.89		4.20			
SOLOMONS	1.98	1.98	MA 7.52	7.52	3.81	3.81	10.27	10.27	0.57	0.57	4.14	4.14	M 42.33	
--DIVISIONAL DATA-------->	2.92	-1.30	6.06	1.93	2.73	-1.44	9.26	5.78	0.73	-2.54	4.17	0.86	39.60	-5.15
UPPER SOUTHERN 04														
BALTIMORE WASH INTL AP	3.27		5.82		2.21		8.92		0.71		3.11		37.42	-4.52
BELTSVILLE	2.98	-0.96	2.18	-1.09	2.41	-1.67	8.33	4.66	0.67	-2.57	2.80	-0.33	33.43	-10.33
DALECARLIA RSVR	3.37	-1.22	3.45	-0.41	3.18	-0.99	9.66	5.82	0.87	-2.75	4.38	1.16	41.95	-3.16
MARYLAND SCIENCE CENTER	5.98	1.36	5.89	2.50	3.00	-1.09	9.36	6.31	0.64	-2.33	3.19	-0.22	39.94	
LAUREL 3 W	3.60	-0.45	2.75	-0.68	2.16	-2.44	10.60	6.62	0.71	-3.50	3.34	-0.43	39.08	-7.32
OXON HILL	2.96	-1.39	2.96	-0.66	4.68	0.55	6.79	3.07	0.58	-3.02	3.26	-0.01	36.24	
NATL ARBORETUM DC	M 3.43	-0.89	2.41	-1.00	3.75	-0.01	M 6.76	2.97	M 0.62	-2.85	3.28	0.08	M 35.00	-8.70
UPPER MARLBORO 3 NNW	3.57	-0.45	2.33	-1.39	3.16	-0.83	8.35	4.75	FA 0.24	-3.23	3.71	0.57	34.08	-9.61
--DIVISIONAL DATA-------->	3.68	-0.46	3.47	-0.48	3.07	-1.11	8.86	5.38	0.70	-2.68	3.38	-0.01	37.62	-6.83
NORTHERN CENTRAL 06														
ABERDEEN PHILLIPS FLD	FA 1.57		FA 6.48		2.14		9.53		0.83		3.34		M 36.83	-7.39
CATOCTIN MTN PARK	M		M		M		M		M		M			
BRIGHTON DAM	FA 4.90		FA 2.05		FA 2.48		FA 2.60		0.66		M 3.41		M 24.39	-20.29
CONOWINGO DAM	2.33	-1.96	4.77	0.86	4.14	-0.81	8.20	4.08	0.87	-2.67	4.12	0.09	41.57	-6.52
DAMASCUS 3 SSW	6.18	2.06	4.40	0.11	3.02	-1.49	M 10.36	6.64	1.16	-2.76	3.59	-0.04	M 47.83	
EMMITSBURG 2 SE	3.82	0.17	4.05	0.65	6.41	2.17	7.59	4.21	1.10	-2.51	3.60	0.27	45.03	-0.31
CYLBURN	4.14	4.14	MA 7.55	7.55	MA 3.70	3.70	MA 11.44	11.44	0.92	0.92	MA 2.10	2.10	M 48.74	
FREDERICK 2 NNE	8.29	4.06	2.74	-0.77	M		8.06	4.53	1.09	-2.61	3.37	0.06		
MILLERS 4 NE	5.27	1.28	5.03	1.31	5.25	0.78	12.09	8.34	1.08	-2.51	4.12	0.48	52.14	8.47
SMITHSBURG 2NW	3.39	-0.35	M 4.82	1.68	4.43	0.39	8.34	5.10	M 1.43	-2.23	M 3.67	0.32		
WESTMINSTER	5.27	0.95	2.15	-1.57	M		M		MA 1.02	-2.25	MA 3.68	0.04		
--DIVISIONAL DATA-------->	4.84	0.88	3.86	0.02	4.23	-0.10	8.97	5.46	0.96	-2.66	3.69	0.19	44.12	-1.39
APPALACHIAN MOUNTAIN 07														
CUMBERLAND 2	2.52		2.42		3.05		M 4.42		0.39		3.59		M 31.88	-5.33
FROSTBURG 2	4.61	0.61	2.43	-1.17	3.75	0.07	4.89	1.85	0.35	-3.32	4.51	1.22	40.73	-3.83
SHARPSBURG 5 S	4.39	0.29	4.64	1.41	5.09	1.09	FA 8.78	5.37	1.16	-2.24	3.33	0.18		
WILLIAMSPORT	M		M 5.66	2.74	FMA 4.56	0.70	M 3.67	0.61	M 0.82	-2.60	M 2.98	-0.12		

TOTAL PRECIPITATION AND DEPARTURE FROM NORMAL (INCHES)

MARYLAND AND DELAWARE
2012

STATION	JAN		FEB		MAR		APR		MAY		JUN	
	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
--DIVISIONAL DATA------->	3.24	0.14	1.51	-1.11	4.07	0.65	1.67	-1.72	5.33	1.12	3.04	-0.48
ALLEGHENY PLATEAU 08												
OAKLAND 1 SE	5.76		3.16		M 5.14		1.82		M 4.06		3.26	
SAVAGE RIVER DAM	3.28	0.53	M 1.62	-0.81	4.02	0.62	1.31	-2.02	3.87	-0.65	3.63	-0.27
SINES DEEP CREEK	5.54		2.45		5.70		M 1.99		4.60		4.16	
--DIVISIONAL DATA------->	4.86	1.31	2.81	-0.28	4.86	0.99	1.57	-2.27	4.24	-0.30	3.68	-0.53
DELAWARE												
NORTHERN 01												
BEAR 2 SW	2.84	-0.39	1.88	-0.91	0.79	-3.44	2.82	-1.04	2.04	-2.10	7.24	3.31
WILMINGTON PORTER RES	3.01	-0.70	2.00	-0.99	1.23	-3.29	2.63	-1.58	3.26	-1.12	4.02	-0.17
WILMINGTON NEW CASTLE CO AP	2.55	-0.46	2.09	-0.59	0.92	-3.00	2.56	-0.94	2.25	-1.70	3.62	-0.26
--DIVISIONAL DATA------->	2.80	-0.90	1.99	-0.85	0.98	-3.13	2.67	-0.96	2.52	-1.90	4.96	1.06
SOUTHERN 02												
DOVER	1.65		FA 0.98		1.33		FA 0.35		2.29		1.46	
LEWES	M		M		M		M		M		M	
--DIVISIONAL DATA------->	1.65	-2.34	M	M	1.33	-3.07	M	M	2.29	-1.83	1.46	-1.95

TOTAL PRECIPITATION AND DEPARTURE FROM NORMAL (INCHES)

MARYLAND AND DELAWARE
2012

STATION	JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
--DIVISIONAL DATA------->	3.84	0.20	3.16	-0.29	3.96	0.47	4.89	1.81	0.63	-2.64	3.81	0.94	39.15	-0.91
ALLEGHENY PLATEAU 08														
OAKLAND 1 SE	3.45		2.70		M 3.87		3.98		M 0.64		5.94		M 43.78	-3.78
SAVAGE RIVER DAM	M 3.61	-0.71	M 0.57	-2.76	M 3.57	0.25	M		M 0.12	-2.88	M			
SINES DEEP CREEK	M 4.75		2.35		4.37		M 2.75		5.17		6.86		M 50.69	
--DIVISIONAL DATA------->	3.45	-1.42	2.53	-1.38	4.37	0.77	3.98	0.95	5.17	1.61	6.40	2.82	47.92	2.27
DELAWARE														
NORTHERN 01														
BEAR 2 SW	3.36	-1.19	4.10	0.33	5.59	0.96	8.36	4.85	0.96	-2.51	M			
WILMINGTON PORTER RES	M 1.39	-3.97	4.07	0.40	6.48	1.58	M 7.40	3.59	1.39	-2.09	M 4.81	0.71	M 41.69	
WILMINGTON NEW CASTLE CO AP	3.05	-1.52	2.81	-0.44	5.29	0.97	6.25	2.83	0.98	-2.12	3.92	0.44	36.29	-6.52
--DIVISIONAL DATA------->	3.21	-1.29	3.66	-0.06	5.79	1.47	7.31	3.95	1.11	-2.27	3.92	0.30	40.92	-4.58
SOUTHERN 02														
DOVER	3.17		2.68		3.73		FA 0.89		1.28		FA 4.11		23.92	-22.36
LEWES	M		M		M		M		M		M			
--DIVISIONAL DATA------->	3.17	-0.75	2.68	-2.21	3.73	-0.42	M	M	1.28	-2.01	M	M		-14.58

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL(°F)

MARYLAND AND DELAWARE
2012

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.
MARYLAND																										
SOUTHERN EASTERN SHORE 01																										
ASSATEAGUE	M		M		52.9	9.0	66.7F	14.2	M		73.6	3.4	M		M		M		M		M		M		M	
PRINCESS ANNE	M		44.3M	5.8	M		55.3M	0.9	69.9MF	6.4	73.6M	1.7	82.5M	5.9	76.6M	1.8	M		M		M		M		M	
SNOW HILL 4 N	M		43.4	4.4	54.7	8.2	56.6F	1.1	68.8	4.0	73.0M	0.1	81.7	4.7	76.8	1.5	68.8	-0.8	60.8	2.4	45.4	-4.0	46.6	5.6	M 61.5	4.3
SALISBURY 2N	M		43.2		55.5		56.8		68.9		72.9		81.4		77.5F		70.0		M		45.1		45.8		M	
SALISBURY FAA AP	41.6	5.9	42.6	4.7	54.0	8.5	56.3	2.0	69.1	5.7	73.7	1.5	82.8	5.5	78.8	3.3	70.2	1.1	61.4	3.8	46.4	-2.2	46.9	6.9	60.3	3.9
--DIVISIONAL DATA------->	41.6	5.6	43.4	5.6	54.3	9.0	58.3	4.2	69.2	6.0	73.4	1.6	82.1	5.4	77.4	2.1	69.7	0.4	61.1	2.8	45.6	-3.2	46.4	6.1	60.2	45.6
CENTRAL EASTERN SHORE 02																										
ROYAL OAK 2 SSW	40.0		43.4		55.1		56.8		69.8		74.0		82.4		78.3		69.8		59.9		44.5		44.7		59.9	2.0
--DIVISIONAL DATA------->	40.0	5.2	43.4	6.5	55.1	9.8	56.8	2.3	69.8	5.5	74.0	1.1	82.4	4.7	78.3	2.4	69.8	0.6	59.9	1.7	44.5	-3.6	44.7	5.4	59.9	41.6
LOWER SOUTHERN 03																										
MECHANICSVILLE 5 NE	37.2		40.6		52.9		53.8		M		70.3		78.9		74.8		66.1		56.3		42.3		41.7		55.9	-0.3
SOLOMONS	40.8		43.5		54.1		57.2		69.0		74.7		83.0		78.8		72.4		61.1		46.0M		45.8M		M 60.5	
--DIVISIONAL DATA------->	39.0	5.0	42.1	5.2	53.5	8.3	55.5	1.3	69.0	5.6	72.5	0.8	81.0	4.7	76.8	2.1	69.3	1.2	58.7	1.8	44.2	-3.1	43.8	5.0	58.8	37.9
UPPER SOUTHERN 04																										
BALTIMORE WASH INTL AP	38.3		41.6		53.7		55.3		69.0		73.6		81.5		77.3		69.5		58.3		42.9		42.7		58.6	4.0
BELTSVILLE	37.2	4.6	40.9	5.5	52.7	8.9	54.0	0.7	68.3	5.3	72.1	0.0	79.8	2.9	76.7	1.4	69.1	0.7	57.8	1.7	43.3	-3.4	42.3	5.0	57.9	2.8
DALECARLIA RSVR	37.9	3.9	41.7	4.3	54.3	8.6	55.7	0.1	69.2	4.3	72.6	-0.6	81.0	3.4	77.5	1.3	69.1	-0.2	56.9	-0.4	42.8	-4.4	42.9	4.7	58.5	2.1
MARYLAND SCIENCE CENTER	42.1		45.9		57.3		59.6		73.2		78.9		86.3		82.3		74.3		62.6		48.8		47.6		63.2	
LAUREL 3 W	37.9	4.8	42.0	5.7	54.6	9.7	56.1	1.2	69.4	4.8	74.3	1.5	81.5	3.7	78.2	1.7	70.6	1.5	58.9	1.3	44.9	-2.6	42.7	4.9	59.3	3.2
OXON HILL	38.6		42.5		54.5		55.9		68.8		73.3		81.7		78.1		69.7		58.8		44.1		43.4		59.1	
NATL ARBORETUM DC	38.7	5.2	43.2M	7.0	55.8	11.4	57.6M	3.5	70.1	6.0	75.0M	1.9	82.4M	4.5	79.2	3.1	71.2	2.5	60.3M	3.7	44.4M	-2.5	43.1	5.1	M 60.1	4.3
UPPER MARLBORO 3 NNW	37.7	5.2	41.1	5.7	52.8	9.0	54.9	1.5	68.5	5.8	72.6	1.3	81.1	5.2	77.2	3.1	69.0	1.8	57.6	2.3	42.5	-3.8	42.4	5.4	58.1	3.5
--DIVISIONAL DATA------->	38.6	5.3	42.4	6.1	54.5	10.0	56.1	2.0	69.6	6.0	74.1	1.8	81.9	4.8	78.3	2.9	70.3	2.0	58.9	2.5	44.2	-2.5	43.4	5.8	59.4	46.7
NORTHERN CENTRAL 06																										
ABERDEEN PHILLIPS FLD	36.3		39.8		50.7		53.3		67.5		72.6		79.9M		76.4M		68.2		57.2		43.2		41.9		M 57.3	1.4
CATOCTIN MTN PARK	34.4	5.4	M		M		M		M		M		M		M		M		M		M		M		M	
BRIGHTON DAM	35.8M		39.3		51.4M		51.3M		64.8M		M		M		75.5		66.1		56.1M		40.5M		M		M	
CONOWINGO DAM	35.3	4.4	M		50.8	8.4	53.0	0.6	66.4	3.8	69.1	-2.4	77.8	1.6	74.4	-0.4	66.3	-1.4	55.8	0.2	40.4	-4.5	39.9	4.1	57.2	3.2
DAMASCUS 3 SSW	36.4		39.3		52.8		52.9		66.9M		69.4		76.8		74.1		66.2		56.0M		41.5		40.7		M 56.1	
EMMITSBURG 2 SE	34.0	3.0	38.0	3.9	50.2	7.2	51.5	-1.3	66.1	3.9	69.0	-1.5	76.3	1.3	72.7	-0.6	64.8	-1.6	54.1	-0.8	40.1	-4.7	39.0	3.1	54.7	1.0
CYLBURN	36.3		40.4		51.5		52.6		65.6		69.0M		77.5M		M		66.5		55.9		42.0		41.7		M 54.5	
FREDERICK 2 NNE	35.6		39.7		52.1		53.1		68.3		71.3M		79.4		75.6		M		56.0		41.5		40.8		M 55.8	
MILLERS 4 NE	35.5	5.1	38.8	5.4	52.4	10.7	53.2	1.4	67.3	6.0	70.0	0.3	77.1	3.2	73.2	0.7	66.0	0.4	56.5	1.5	41.7	-3.1	40.9	5.5	56.1	3.1
SMITHSBURG 2NW	33.1		M		M		49.6M		65.3M		67.7M		75.9		71.6M		64.2		52.5M		37.5M		36.8M		M	
WESTMINSTER	M		39.0	4.5	50.9	7.9	51.8	-1.5	66.7	3.6	70.4	-1.0	78.2	2.4	75.5	1.5	M		M		M		M		M	
--DIVISIONAL DATA------->	35.3	4.1	39.3	5.3	51.4	8.7	52.2	-0.1	66.5	4.2	69.8	-0.9	77.7	2.4	74.3	0.8	66.0	-0.6	55.6	0.3	40.9	-4.0	40.2	4.4	55.8	24.6
APPALACHIAN MOUNTAIN 07																										
CUMBERLAND 2	34.4		39.5		52.6		53.4		68.0		70.7		79.0		74.4		66.9		54.5M		41.9		38.3		M 56.1	3.0
FROSTBURG 2	29.3	4.8	33.4	6.1	47.8	12.5	47.9	2.0	62.7	6.5	64.9	0.7	72.4	3.9	68.1	0.9	61.5	1.2	50.6	1.3	36.5	-2.6	34.9	5.4	50.8	3.5
SHARPSBURG 5 S	M		M		49.8		50.7		66.1		68.5		76.9		73.6		65.5		54.3		39.6		38.9		M	

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL(°F)

MARYLAND AND DELAWARE
2012

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.
WILLIAMSPORT	34.4M		39.4M		51.0M		52.9M		67.9M		70.0M		M		74.8M		67.1M		54.7M		41.3M		39.9M		M 53.9	
--DIVISIONAL DATA------->	32.7	3.7	37.4	5.3	50.3	9.6	51.2	0.5	66.2	5.9	68.5	0.0	76.1	3.3	72.7	1.5	65.3	1.2	53.5	0.8	39.8	-2.9	38.0	4.5	54.3	33.4
ALLEGHENY PLATEAU 08																										
OAKLAND 1 SE	30.8		32.5		47.2M		46.1		62.4M		65.3		72.7		67.3		61.0M		49.4		35.9M		36.1		M 50.6	2.3
SAVAGE RIVER DAM	31.3F	5.1	35.4	6.8	47.9	10.8	48.7	1.3	63.3	6.0	65.3	-0.2	74.2M	4.5	68.6M	0.3	62.1M	0.6	M		37.2M	-3.2	M		M	
SINES DEEP CREEK	28.9		32.1		46.0		45.3M		61.1		61.5		70.1M		65.2		58.0		48.9M		34.3M		34.0		M 48.8	
--DIVISIONAL DATA------->	30.3	27.7	33.3	30.5	47.0	43.3	46.7	42.0	62.3	56.7	64.0	57.6	72.3	65.4	67.0	60.3	60.4	54.4	49.2	44.3	35.8	31.8	35.1	32.1	50.3	546.1
DELAWARE																										
NORTHERN 01																										
BEAR 2 SW	36.9		39.3		51.1		52.8		66.3		70.8		79.1		75.5		67.2		57.1		41.8		M		58.0	
WILMINGTON PORTER RES	35.6F		39.2		50.3		52.9		65.8		71.6		80.7		76.1		67.3		57.1M		42.5		41.1M		M 56.7	
WILMINGTON NEW CASTLE CO AP	37.2	5.7	40.0	5.8	51.4	8.7	53.4	1.0	67.1	4.6	72.3	0.8	80.4	3.8	76.4	1.4	68.3	0.6	58.0	2.2	42.4	-3.5	42.3	5.9	57.4	3.0
--DIVISIONAL DATA------->	36.6	4.9	39.5	5.2	50.9	8.2	53.0	0.6	66.4	3.8	71.6	0.2	80.1	3.9	76.0	1.5	67.6	0.2	57.4	1.6	42.2	-3.6	41.7	5.1	56.9	31.6
SOUTHERN 02																										
DOVER	40.8		42.5		53.2		55.6		67.3		73.1		81.2		77.5		69.1		60.0		43.4		44.4		59.0	2.2
LEWES	M		M		M		M		M		M		M		M		M		M		M		M		M	
--DIVISIONAL DATA------->	40.8	37.3	42.5	38.9	53.2	48.8	55.6	50.3	67.3	61.0	73.1	65.9	81.2	73.6	77.5	70.0	69.1	62.3	60.0	54.3	43.4	38.6	44.4	40.5	59.0	641.5

TEMPERATURE EXTREMES AND FREEZE DATA (°F)

MARYLAND AND DELAWARE
2012

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						
					DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	16° OR BELOW	20° OR BELOW	24° OR BELOW	28° OR BELOW	32° OR BELOW
MARYLAND																													
SOUTHERN EASTERN SHORE 01																													
ASSATEAGUE	97	06/21	28	03/11	MSG		MSG		MSG		03/11	28	03/11	28	NONE		NONE		NONE		NONE		NONE						
PRINCESS ANNE	101	07/24	10	01/04	01/04	10	01/16	17	02/21	22	03/29	25	04/12	32	11/05	21	11/05	21	11/05	21	11/29	16	11/29	16	330	318	258	221	207
SALISBURY 2N	101	07/08	15	01/04	01/16	16	02/13	18	02/21	23	03/27	28	04/08	32	11/05	32	11/06	28	NONE		NONE		NONE					224	211
SALISBURY FAA AP	102	07/07	15	01/16	01/16	15	02/13	18	02/21	22	03/11	25	04/08	32	11/05	32	11/25	28	11/29	24	NONE		NONE				282	259	211
SNOW HILL 4 N	102	07/07	16	02/13	02/13	16	02/13	16	03/11	24	04/08	28	04/08	28	10/13	32	11/06	27	11/09	24	NONE		NONE				243	212	188
CENTRAL EASTERN SHORE 02																													
ROYAL OAK 2 SSW	102	07/07	17	01/16	MSG		01/16	17	02/21	23	02/21	23	03/11	30	11/05	32	11/06	28	NONE		NONE		NONE					259	239
LOWER SOUTHERN 03																													
MECHANICSVILLE 5 NE	99	06/30	14	01/05	02/14	16	02/14	16	03/07	24	03/07	24	04/08	32	11/04	32	11/06	27	12/14	23	NONE		NONE				282	244	210
SOLOMONS	102	07/08	18	01/04	MSG		01/05	19	02/13	24	02/14	28	03/06	31	12/14	32	NONE		NONE		NONE		NONE						283
UPPER SOUTHERN 04																													
BALTIMORE WASH INTL AP	104	07/18	13	01/04	01/04	13	02/13	20	02/21	23	03/11	28	04/03	32	11/05	30	11/06	28	NONE		NONE		NONE					240	216
BELTSVILLE	101	07/08	14	01/04	01/05	16	02/13	18	03/06	24	03/11	27	04/03	32	10/13	32	11/06	28	12/14	24	NONE		NONE				283	240	193
DALECARLIA RSVR	102	07/19	14	01/05	01/05	14	01/16	20	02/14	24	03/06	26	03/11	32	11/14	30	11/26	26	NONE		NONE		NONE					265	248
LAUREL 3 W	102	07/18	11	01/04	01/04	11	02/13	20	02/13	20	03/06	26	03/27	30	11/07	30	12/23	27	NONE		NONE		NONE					292	225
MARYLAND SCIENCE CENTER	108	07/07	17	01/04	MSG		01/04	17	01/04	17	02/13	25	03/06	32	12/31	32	NONE		NONE		NONE		NONE						300
NATL ARBORETUM DC	104	07/09	15	01/04	01/04	15	01/19	18	02/13	22	03/06	25	03/27	31	11/06	29	11/26	27	12/15	24	NONE		NONE				306	265	224
OXON HILL	103	07/08	15	01/05	01/05	15	01/20	20	02/14	22	03/07	27	03/11	31	11/06	31	11/26	28	NONE		NONE		NONE					264	240
UPPER MARLBORO 3 NNW	105	07/08	14	01/05	01/17	16	02/14	19	03/07	24	03/12	28	04/03	31	10/13	31	11/06	27	11/26	23	NONE		NONE				264	239	193
NORTHERN CENTRAL 06																													
ABERDEEN PHILLIPS FLD	100	07/19	13	01/05	01/16	15	02/13	19	02/14	23	03/07	26	03/28	32	11/06	29	11/26	25	12/14	24	NONE		NONE				304	264	223
BRIGHTON DAM	100	07/08	15	01/16	01/16	15	02/13	17	03/10	24	03/27	28	04/08	31	10/13	30	11/06	25	11/26	23	NONE		NONE				261	224	188
CATOCTIN MTN PARK	62	01/31	7	01/04	01/19	14	01/20	17	01/30	24	01/30	24	01/30	24	NONE		NONE		NONE		NONE		NONE						
CONOWINGO DAM	98	07/18	11	01/05	01/16	13	01/20	20	01/23	23	03/12	28	04/08	32	10/14	32	11/06	27	11/26	24	NONE		NONE				308	239	189
CYLBURN	96	07/19	11	01/04	01/16	16	02/12	19	02/13	21	03/07	26	03/28	31	10/13	32	11/06	27	NONE		NONE		NONE					244	199
DAMASCUS 3 SSW	96	07/07	10	01/04	01/04	10	02/13	20	03/06	22	03/27	26	03/27	26	10/13	31	11/06	26	12/23	24	NONE		NONE				292	224	200
EMMITSBURG 2 SE	97	07/08	11	01/04	01/20	15	02/21	20	03/07	23	03/11	28	04/07	30	10/13	29	11/06	23	11/06	23	12/15	20	NONE			298	244	240	189
FREDERICK 2 NNE	99	07/08	15	01/05	01/16	16	01/20	17	03/07	24	03/07	24	04/08	32	10/13	32	11/06	26	11/26	24	NONE		NONE				264	244	188
MILLERS 4 NE	97	07/07	9	01/04	02/12	16	03/06	19	03/06	19	03/30	28	04/28	32	10/13	28	10/13	28	11/06	23	NONE		NONE				245	197	168
SMITHSBURG 2NW	97	07/08	8	01/04	01/22	16	01/22	16	01/23	23	04/07	27	05/11	31	11/03	27	11/03	27	11/06	22	12/06	20	NONE			319	288	210	176
WESTMINSTER	99	07/19	18	02/12	MSG		02/13	19	03/07	24	03/10	28	04/04	32	11/09	32	11/15	28	11/26	23	NONE		NONE				264	250	219
APPALACHIAN MOUNTAIN 07																													
CUMBERLAND 2	104	07/08	10	01/04	01/17	15	02/13	19	03/07	22	03/12	26	03/28	29	10/13	29	11/06	24	11/06	24	12/31	20	NONE			322	244	239	199
FROSTBURG 2	91	07/08	5	01/04	03/07	15	03/11	20	03/28	22	03/28	22	04/28	31	10/13	28	10/13	28	11/06	22	12/06	19	NONE			270	223	199	168
WILLIAMSPORT	101	06/30	11	01/04	01/20	16	02/13	20	03/07	22	03/12	26	04/08	32	10/13	30	11/06	25	11/07	24	12/31	20	NONE			322	245	239	188
ALLEGHENY PLATEAU 08																													
OAKLAND 1 SE	94	07/08	-2	01/16	03/07	15	03/10	20	03/12	22	04/11	28	05/11	31	10/08	32	10/12	26	11/06	21	11/14	20	NONE			249	239	184	150
SAVAGE RIVER DAM	94	07/08	10	01/17	02/13	13	03/08	18	03/08	18	03/28	26	04/15	32	11/07	24	11/07	24	11/07	24	12/13	20	NONE			280	244	224	206
SINES DEEP CREEK	90	07/08	4	01/17	03/07	14	03/07	14	03/28	22	04/24	28	05/12	31	09/25	31	10/12	28	11/06	23	11/30	20	12/23	16	291	268	223	171	136

TEMPERATURE EXTREMES AND FREEZE DATA (°F)

MARYLAND AND DELAWARE
2012

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							
					DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	16° OR BELOW	20° OR BELOW	24° OR BELOW	28° OR BELOW	32° OR BELOW
DELAWARE																													
NORTHERN 01																													
BEAR 2 SW	100	07/18	14	01/16	01/16	14	02/12	20	03/06	23	03/11	27	04/28	31	10/13	30	11/05	28	11/25	24	NONE		NONE				264	239	168
WILMINGTON NEW CASTLE CO AP	101	07/18	13	01/04	01/16	16	02/12	18	03/06	23	03/27	28	04/28	32	11/05	30	11/06	26	12/24	23	NONE		NONE				293	224	191
WILMINGTON PORTER RES	101	07/18	12	01/04	01/16	16	02/12	17	02/13	22	03/06	27	03/27	30	11/06	30	11/26	28	NONE		NONE		NONE					265	224
SOUTHERN 02																													
DOVER	101	07/07	14	01/04	01/04	14	02/12	19	02/13	21	03/06	26	03/27	32	11/06	29	11/26	25	11/29	24	NONE		NONE				290	265	224
LEWES					MSG		MSG		MSG		MSG		MSG		NONE		NONE		NONE		NONE		NONE						

MONTHLY AND SEASONAL COOLING DEGREE DAYS
BASE = 65 DEGREES FAHENHEIT

MARYLAND AND DELAWARE
2012

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	SEASONAL NORM
MARYLAND														
SOUTHERN EASTERN SHORE 01														
ASSATEAGUE	-	-	1	88	-	271	-	-	-	-	-		-	
PRINCESS ANNE	-	0	-	11E	190E	274E	550E	367E	-	-	-		-	
SNOW HILL 4 N	-	0	5	35	164	267E	524	375	153	61	0	0	-	
SALISBURY 2N	-	0	9	26	157	251	513	396	177	-	0	0	-	
SALISBURY FAA AP	0	0	7	30	166	281	558	436	184	70	0	0	1732	1155
CENTRAL EASTERN SHORE 02														
ROYAL OAK 2 SSW	0	0	6	23	173	276	547	417	175	48	0	0	1665	1392
LOWER SOUTHERN 03														
MECHANICSVILLE 5 NE	0	0	5	13	-	177	439	309	111	19	0	0	-	
SOLOMONS	0	0	2	26	152	296	561	435	236	40	0	0	1748	
UPPER SOUTHERN 04														
BALTIMORE WASH INTL AP	0	0	10	22	160	271	517	391	170	28	0	0	1569	1147
BELTSVILLE	0	0	7	14	150	231	466	371	170	24	0	0	1433	1109
DALECARLIA RSVR	0	0	10	16	167	242	504	393	160	17	0	0	1509	1258
MARYLAND SCIENCE CENTER	0	0	35	38	265	425	665	544	287	62	0	0	2321	
LAUREL 3 W	0	0	22	24	162	290	521	417	192	34	0	0	1662	1271
OXON HILL	0	0	15	23	154	261	528	414	177	26	0	0	1598	
NATL ARBORETUM DC	0	0	18	29E	182	309E	546E	447	210	30E	0	0	1771E	1243
UPPER MARLBORO 3 NNW	0	0	7	23	154	245	507	386	165	27	0	0	1514	1002
NORTHERN CENTRAL 06														
ABERDEEN PHILLIPS FLD	0	0	2	12	142	246	471E	346E	148	23	0	0	1390E	1153
CATOCTIN MTN PARK	0	-	-	-	-	-	-	-	-	-	-		-	
BRIGHTON DAM	0	0	3E	7E	78E	-	-	333	109	9E	0		-	
CONOWINGO DAM	0	-	2	13	101	148	404	300	111	9	0	0	-	
DAMASCUS 3 SSW	0	0	11	11	109E	168	375	290	114	12E	0	0	1090E	
EMMITSBURG 2 SE	0	0	1	8	106	151	357	247	96	6	0	0	972	918
CYLBURN	0	0	5	13	91	149E	398E	-	120	14	0	0	-	
FREDERICK 2 NNE	0	0	3	9	147	209E	454	338	-	14	0	0	-	
MILLERS 4 NE	0	0	0	15	114	178	381	263	108	14	0	0	1073	790
SMITHSBURG 2NW	0	-	-	8E	91E	125E	345	214E	98	3E	0	0	-	
WESTMINSTER	-	0	2	14	123	190	417	331	-	-	-		-	
APPALACHIAN MOUNTAIN 07														
CUMBERLAND 2	0	0	13	12	148	189	440	298	140	6E	0	0	1246E	877
FROSTBURG 2	0	0	1	4	46	77	242	111	69	0	0	0	550	344
SHARPSBURG 5 S	-	-	2	9	111	144	374	272	109	7	0	0	-	
WILLIAMSPORT	0	0	3E	6E	151E	176E	-	311E	144E	9E	0	0	-	
ALLEGHENY PLATEAU 08														
OAKLAND 1 SE	0	0	0	0	51E	93	247	94	74E	0	0	0	559E	316
SAVAGE RIVER DAM	0	0	0	1	56	73	292E	121E	69E	-	0		-	
SINES DEEP CREEK	0	0	0	0	29	36	168E	48	37	0	0	0	318E	
DELAWARE														
NORTHERN 01														
BEAR 2 SW	0	0	2	10	109	198	443	333	128	23	0		-	
WILMINGTON PORTER RES	0	0	2	0	92	221	494	352	117	11E	0	0	1289E	
WILMINGTON NEW CASTLE CO AP	0	0	3	14	122	236	482	361	143	26	0	0	1387	1125

MONTHLY AND SEASONAL COOLING DEGREE DAYS
BASE = 65 DEGREES FAHENHEIT

MARYLAND AND DELAWARE
2012

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	SEASONAL NORM
SOUTHERN 02														
DOVER	0	0	4	29	124	260	509	395	162	49	0	0	1532	1262
LEWES	-	-	-	-	-	-	-	-	-	-	-		-	

MARYLAND AND DELAWARE
2012

TOTAL PAN EVAPORATION AND WIND MOVEMENT

STATION		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MARYLAND														
UPPER SOUTHERN 04														
BELTSVILLE	WIND	-	-	-	1534	1324E	1597E	1360	1193	1606	1669	-	-	-
	EVAP	-	-	-	4.81	5.28E	7.93E	7.61	8.46	5.32	3.32E	-	-	-
	MAX TEMP	-	-	-	70.2	85.0	88.6	93.9	90.6	83.4	67.9	55.0	-	-
	MIN TEMP	-	-	-	43.2	58.5	60.8	69.5	66.4	56.0	47.0	38.0	-	-
UPPER MARLBORO 3 NNW	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-
	EVAP	-	-	-	52.37E	52.34E	-	-	-	-	-	-	-	-
	MAX TEMP	-	-	67.0	72.6	86.3	-	-	-	-	-	-	-	-
	MIN TEMP	-	-	44.3	44.3	59.7	-	-	-	-	-	-	-	-
ALLEGHENY PLATEAU 08														
SAVAGE RIVER DAM	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-
	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-
	MAX TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-

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	86	86	0			CH
ASSATEAGUE	0335	01	WORCESTER	38 4	75 13W	10	45	45	0			H
BALTIMORE WASH INTL AP R	0465	04	ANNE ARUNDEL	39 10	76 41W	156	74	74	0			HJ
BELTSVILLE	0700	04	PRINCE GEORGE'S	39 2	76 56W	145	72	72	71			CH
BRIGHTON DAM	1125	06	MONTGOMERY	39 11	77 0W	330	12	49	0			H
CATOCTIN MTN PARK	1530	06	FREDERICK	39 39	77 29W	1610	45	45	0		FEB	H
CONOWINGO DAM	2060	06	HARFORD	39 39	76 11W	40	77	77	0			H
CUMBERLAND 2	2282	07	ALLEGANY	39 39	78 45W	730	39	39	0			H
CYLBURN	2308	06	BALTIMORE	39 21	76 39W	235	10	10	0			H
DALECARLIA RSVR	2325	04	DISTRICT OF COLUMBIA	38 56	77 7W	150	65	65	0			H
DAMASCUS 3 SSW	2336	06	MONTGOMERY	39 16	77 14W	700	20	20	0			H
EMMITSBURG 2 SE	2906	06	FREDERICK	39 41	77 17W	403	57	57	0			H
FREDERICK 2 NNE	3353	06	FREDERICK	39 26	77 24W	280	9	9	0			H
FROSTBURG 2	3415	07	ALLEGANY	39 40	78 56W	2170	41	41	0			H
LAUREL 3 W	5111	04	PRINCE GEORGE'S	39 5	76 54W	400	112	115	0			H
MARYLAND SCIENCE CENTER R	5718	04	BALTIMORE (CITY)	39 17	76 37W	20	15	14	0			H
MECHANICSVILLE 5 NE	5865	03	ST. MARY'S	38 28	76 42W	100	39	48	0			H
MILLERS 4 NE	5934	06	CARROLL	39 43	76 48W	860	25	25	0			CH
NATL ARBORETUM DC	6350	04	DISTRICT OF COLUMBIA	38 55	76 58W	50	65	65	0			H
OAKLAND 1 SE	6620	08	GARRETT	39 25	79 24W	2420	114	114	0			H
OXON HILL	6800	04	PRINCE GEORGE'S	38 47	76 60W	120	11	11	0			H
PRINCESS ANNE	7330	01	SOMERSET	38 13	75 41W	20	117	117	0			H
ROYAL OAK 2 SSW	7806	02	TALBOT	38 43	76 11W	10	65	65	0			H
SALISBURY 2N	8004	01	WICOMICO	38 24	75 36W	20	1	1	0			H
SALISBURY FAA AP	8005	01	WICOMICO	38 20	75 31W	48	65	65	0			H
SAVAGE RIVER DAM	8065	08	GARRETT	39 31	79 8W	1495	62	68	43			CH
SHARPSBURG 5 S	8207	07	WASHINGTON	39 24	77 43W	500	15	15	0			H
SINES DEEP CREEK	8315	08	GARRETT	39 31	79 25W	2040	38	38	0			H
SMITHSBURG 2NW	8371	06	WASHINGTON	39 40	77 35W	670	12	12	0			H
SNOW HILL 4 N	8380	01	WORCESTER	38 14	75 23W	30	97	97	0			H
SOLOMONS	8405	03	CALVERT	38 19	76 27W	12	102	102	0			H
UPPER MARLBORO 3 NNW	9070	04	PRINCE GEORGE'S	38 51	76 46W	130	56	56	56			H
WESTMINSTER	9440	06	CARROLL	39 34	76 59W	750	30	30	0			H
WILLIAMSPORT	9570	07	WASHINGTON	39 37	77 51W	360	15	47	0			H
DELAWARE												
BEAR 2 SW	1200	01	NEW CASTLE	39 36	75 44W	80	10	10	0			H
DOVER	2730	02	KENT	39 15	75 31W	30	110	110	0			H
LEWES	5320	02	SUSSEX	38 47	75 8W	15	66	66	0		APR	H
WILMINGTON NEW CASTLE CO AP R	9595	01	NEW CASTLE	39 40	75 36W	79	65	65	0			HJ
WILMINGTON PORTER RES	9605	01	NEW CASTLE	39 46	75 32W	270	81	82	0			H

REFERENCE NOTES

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 temperature and/or precipitation. Station Precipitation totals flagged with an 'F' or 'M' are excluded from the Divisional Average calculations of precipitation. Stations with monthly Temperature averages flagged with an 'F' or 'M' are included in the Divisional Average if there are no more than 9 flagged or missing daily values in the month, else they are excluded from the divisional average for temperature.

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.
* Equipment gage not read. Precipitation is included in the amount following asterisks. Time distribution not known.
// Equipment 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.
E Normalized HDD/CDD Calculation. E is appended to the HDD/CDD Calculation when 1-9 individual daily TMAX and/or TMIN values are missing and a Normalized HDD/CDD Calculation is provided. M appears alone if 10 or more are missing or flagged.
F Monthly Calculation Flagged Value. F is appended to the average of the monthly station values when 1-9 daily observations were determined to be invalid during the Quality Control process.
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 or flagged.
R Amounts from recording rain gage.
T Trace. An amount too small to measure.

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.

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 digitally.

ERRATA

Beginning in January of 2011, CD Publications are produced from the Global Historical Climatology Network data set. (http://www.ncdc.noaa.gov/oa/climate/ghcn-daily/) The GHCND data Version is printed on first page of the publication.

New flags were added to indicate:
E Normalized HDD/CDD, Evap, and Wind Movement Calculations in 2011, previously was B.
F Monthly calculation flagged value.

Station metadata is provided by NCDC's Product Development Branch from the Historical Observing Metadata Repository: http://www.ncdc.noaa.gov/homr

As of the 2011 Data-Year, Station and Climate Division Maps are no longer being included in the CD Publications. NCDC's Product Development Branch provides updated Station Maps for various data networks via the Historical Observing Metadata Repository: http://www.ncdc.noaa.gov/homr.

Beginning with the January 2013 CD Publication, monthly mean temperature calculations have changed to the National Data Stewardship Team standard. Monthly maximum and minimum temperatures are not rounded until after the monthly mean temperature is calculated. This is the most accurate outcome, but may be slightly different from the mean derived from rounded monthly maximum and minimum.

Processing Updates and Errata: The 2011 CD Publications were reproduced in June 2013. This update included the addition of late reports and corrections based on additional investigations of reported data issues through NCDCs Datzilla system. In addition, divisional averages for precipitation were recalculated using the method described in DIVISIONS above. Previous editions of the 2011 Publications included all precipitation stations regardless of missing data in the calculation of divisional averages. HDD/CDD values were recalculated to match the legacy method of calculation (truncation of monthly HDD/CDD values instead of rounding).

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.

For Information Call:

(828) 271-4800 Option 2
(828) 271-4010 (TDD)
(828) 271-4876 (Fax)

NOAA\National Climatic Data Center
Attn: User Engagement & Services Branch
151 Patton Avenue
Asheville, NC 28801-5001

Customer Services Number: (828) 271-4800, option 2
TDD : (828) 271-4010
Fax number: (828) 271-4876

NCDC now offers free online access to the ***Climatological Data*** **publication.**
Go to : **www.ncdc.noaa.gov** and choose Most Popular.