



CLIMATOLOGICAL DATA ANNUAL SUMMARY MARYLAND AND DELAWARE

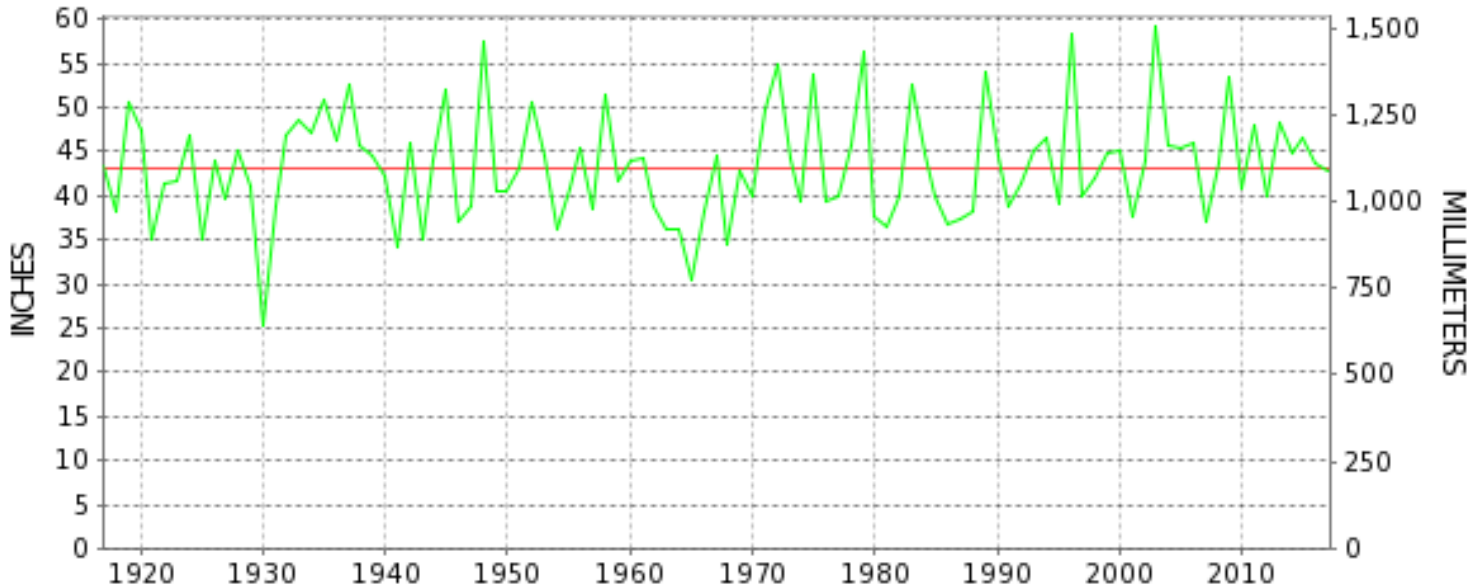
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YEARLY TOTAL PRECIPITATION



— Yearly Precip. — Long Term Average 43.13 in.

MARYLAND AND DELAWARE PRECIPITATION 1917-2017

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Asheville, North Carolina

TOTAL PRECIPITATION AND DEPARTURE FROM NORMAL (INCHES)

MARYLAND AND DELAWARE
2017

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		M		M		M		M	
PRINCESS ANNE	M 4.02	0.44	MA 0.77	-2.14	M 4.25	-0.11	M 2.51	-0.99	M 4.54	0.96	M 1.69	-1.84
SALISBURY 2N	4.50		1.00		5.30		2.60		6.43		2.52	
SALISBURY FAA AP //	3.35	-0.26	1.45	-1.90	4.63	0.21	2.02	-1.53	5.08	1.46	1.99	-1.72
SNOW HILL 4 N	3.60	0.03	1.35	-1.79	3.52	-1.00	2.32	-1.16	4.27	0.75	0.95	-2.52
--DIVISIONAL DATA----->	3.82	-0.18	1.27	-2.15	4.48	0.00	2.31	-0.95	5.26	1.64	1.82	-1.56
CENTRAL EASTERN SHORE 02												
ROYAL OAK 2 SSW	2.93	-0.67	0.62	-2.51	4.69	0.33	1.70	-2.16	6.04	1.85	1.93	-1.93
--DIVISIONAL DATA----->	2.93	-1.05	0.62	-2.69	4.69	0.40	1.70	-1.69	6.04	2.13	1.93	-1.62
LOWER SOUTHERN 03												
MECHANICSVILLE 5 NE	3.13	-0.10	0.41	-2.67	3.16	-1.05	3.48	-0.02	6.73	2.53	2.50	-1.57
SOLOMONS	2.48		1.27		4.46		MA 2.21		MA 4.78		MA 0.52	
--DIVISIONAL DATA----->	2.81	-0.91	0.84	-2.18	3.81	-0.50	3.48	0.28	6.73	2.59	2.50	-1.28
UPPER SOUTHERN 04												
BALTIMORE-WASHINGTON INTL AP	2.69	-0.36	1.46	-1.44	3.82	-0.08	3.52	0.33	5.64	1.65	1.40	-2.06
BALTIMORE WASHINGTON INTL CLIM	M		M		M		M		M		M	
BELTSVILLE	2.54	-0.32	0.44	-2.16	2.83	-0.85	4.60	1.25	6.61	2.29	1.11	-2.59
DALECARLIA RSVR	3.24	0.22	M 0.50	-2.53	3.76	-1.24	4.46	0.80	7.79	3.35	0.98	-3.23
MARYLAND SCI CTR	2.59	-0.33	1.30	-1.30	3.67	-0.19	3.09	-0.13	4.27	0.78	0.73	-2.54
NATL ARBORETUM DC	3.01	-0.08	M 0.39	-2.51	3.06	-0.66	3.82	0.31	6.89	2.61	1.41	-2.67
OXON HILL	3.02	0.00	0.56	-2.37	3.16	-0.62	4.25	0.85	6.65	2.29	0.75	-3.61
--DIVISIONAL DATA----->	2.85	-0.70	0.94	-1.98	3.22	-0.80	3.96	0.62	6.31	1.87	1.11	-2.55
NORTHERN EASTERN SHORE 05												
STEVENSVILLE 2SW	2.44		0.73		2.95		3.46		5.42		1.43	
SUDLERSVILLE 1S	3.09		0.67		5.19		2.32		6.56		2.00	
--DIVISIONAL DATA----->	2.77	-0.88	0.70	-2.32	4.07	-0.05	2.89	-0.50	5.99	1.84	1.72	-2.22
NORTHERN CENTRAL 06												
ABERDEEN PHILLIPS FLD	2.31	-0.85	0.91	-1.97	MA 3.46	-0.43	3.91	0.24	MA 5.09	1.14	1.94	-1.88
BRIGHTON DAM	M 2.94		0.58		M 1.90		M 3.33		5.01		M 1.13	
CONOWINGO DAM	M 2.64	-0.80	1.23	-1.62	2.59	-1.66	4.11	0.18	4.91	0.95	2.21	-1.97
CYLBURN	MA 3.34		M 0.36		MA 3.41		MA 4.60		5.67		MA 1.50	
DAMASCUS 3 SSW	2.87	-0.50	0.85	-2.32	4.11	0.42	2.82	-0.81	4.46	0.29	2.53	-1.61
EMMITSBURG 2 SE	3.21	0.03	1.58	-1.12	M 2.09	-1.96	5.53	1.62	6.52	2.18	2.15	-1.77
MILLERS 4 NE	3.08	-0.13	1.51	-1.68	4.75	1.03	3.80	0.09	5.33	1.07	1.99	-1.40
REISTERSTOWN 2 NW	2.94		0.81		M 1.95		M 5.39		6.46		M 1.57	
SMITHSBURG 2NW	M 3.61	0.95	M 1.23	-1.51	MA 1.81	-1.90	M 3.97	0.16	5.38	1.24	2.67	-1.52
--DIVISIONAL DATA----->	2.88	-0.72	1.07	-1.85	3.82	-0.21	4.03	0.50	5.47	0.85	2.25	-1.80
APPALACHIAN MOUNTAIN 07												
HAGERSTOWN 1 E	M		M		M		M		M		M	
CUMBERLAND 2	3.73	1.07	1.78	-0.59	4.43	1.06	2.87	-0.43	6.20	2.18	3.82	0.54
FROSTBURG 2	5.61	2.29	2.19	-0.93	5.15	1.21	4.37	0.50	8.83	3.95	5.31	1.31

TOTAL PRECIPITATION AND DEPARTURE FROM NORMAL (INCHES)

MARYLAND AND DELAWARE
2017

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	M 8.56	4.23	M 5.48	0.82	M 2.90	-0.94	M 5.22	1.92	M		M			
SALISBURY 2N	9.83		12.77		2.02		4.01		M		M			
SALISBURY FAA AP //	11.31	6.93	12.23	7.80	2.05	-1.93	3.94	0.45	1.95	-1.48	1.14	-2.57	51.14	5.46
SNOW HILL 4 N	M		6.85	1.95	1.48	-2.92	5.22	1.69	1.86	-1.66	M			
--DIVISIONAL DATA----->	10.57	6.26	10.62	5.88	1.85	-1.91	4.39	1.02	1.91	-1.27	1.14	-2.26	49.44	4.52
CENTRAL EASTERN SHORE 02														
ROYAL OAK 2 SSW	8.43	4.06	7.82	3.55	1.49	-2.52	2.86	-0.86	2.07	-1.58	0.63	-3.11	41.21	-5.55
--DIVISIONAL DATA----->	8.43	4.24	7.82	3.56	1.49	-2.33	2.86	-0.38	2.07	-1.22	0.63	-2.86	41.21	-3.51
LOWER SOUTHERN 03														
MECHANICSVILLE 5 NE	7.01	2.70	9.29	5.41	1.18	-3.10	2.81	-0.89	2.21	-1.38	0.56	-3.14	42.47	-3.28
SOLOMONS	M		MA 5.46		MA 1.66		MA 3.58		1.97		M			
--DIVISIONAL DATA----->	7.01	2.79	9.29	5.16	1.18	-2.99	2.81	-0.67	2.09	-1.18	0.56	-2.75	43.11	-1.64
UPPER SOUTHERN 04														
BALTIMORE-WASHINGTON INTL AP	7.11	3.04	4.60	1.31	1.95	-2.08	2.99	-0.34	2.15	-1.15	0.95	-2.42	38.28	-3.60
BALTIMORE WASHINGTON INTL CLIM	7.09		4.60		1.95		2.99		2.15		M			
BELTSVILLE	9.64	5.70	5.27	2.00	1.84	-2.24	3.60	-0.07	2.12	-1.12	0.61	-2.52	41.21	-0.63
DALECARLIA RSVR	8.12	3.53	8.04	4.18	2.17	-2.00	3.03	-0.81	M 2.33	-1.29	M 0.77	-2.45	M 44.19	-1.47
MARYLAND SCI CTR	6.41	1.79	6.02	2.63	1.86	-2.23	2.64	-0.41	1.70	-1.27	0.78	-2.63	35.06	-5.83
NATL ARBORETUM DC	10.23	5.91	M 4.67	1.26	M 2.19	-1.57	2.55	-1.24	2.17	-1.30	0.67	-2.53	M 41.06	-2.47
OXON HILL	7.48	3.13	4.68	1.06	1.70	-2.43	2.55	-1.17	2.26	-1.34	0.66	-2.61	37.72	-6.82
--DIVISIONAL DATA----->	8.01	3.87	5.54	1.59	1.91	-2.27	2.91	-0.57	2.09	-1.29	0.73	-2.66	39.58	-4.87
NORTHERN EASTERN SHORE 05														
STEVENSVILLE 2SW	5.51		6.24		1.41		3.32		2.14		0.69		35.74	
SUDLERSVILLE 1S	M 3.87		7.86		2.35		3.45		2.67		0.65		M 40.68	
--DIVISIONAL DATA----->	5.51	1.46	7.05	3.19	1.88	-2.40	3.39	0.02	2.41	-0.86	0.67	-2.96	39.05	-5.68
NORTHERN CENTRAL 06														
ABERDEEN PHILLIPS FLD	7.43	3.02	5.09	1.33	2.03	-2.49	4.25	0.49	M 1.32	-2.10	0.85	-2.73	M 38.59	-6.23
BRIGHTON DAM	M 5.75		M 3.42		M 2.52		M		M		M			
CONOWINGO DAM	8.80	4.51	7.20	3.29	M 2.80	-2.15	M 2.95	-1.17	M 0.65	-2.89	1.57	-2.46	M 41.66	-5.79
CYLBURN	M		M		M		M		M		M			
DAMASCUS 3 SSW	8.73	4.61	3.18	-1.11	3.81	-0.70	3.38	-0.34	1.99	-1.93	0.95	-2.68	39.68	-6.68
EMMITSBURG 2 SE	9.87	6.22	3.83	0.43	2.11	-2.13	5.24	1.86	1.83	-1.78	M 1.11	-2.22	M 45.07	1.36
MILLERS 4 NE	6.54	2.55	3.27	-0.45	2.31	-2.16	3.83	0.08	1.65	-1.94	1.46	-2.18	39.52	-5.12
REISTERSTOWN 2 NW	M 7.45		M 5.02		2.51		3.72		M 1.79		MA 1.00		M 40.61	
SMITHSBURG 2NW	6.56	2.82	4.81	1.67	1.87	-2.17	5.63	2.39	M 1.75	-1.91	M 0.86	-2.49	M 40.15	-2.27
--DIVISIONAL DATA----->	7.99	4.03	4.56	0.72	2.44	-1.89	4.34	0.83	1.82	-1.80	1.21	-2.29	41.88	-3.63
APPALACHIAN MOUNTAIN 07														
HAGERSTOWN 1 E	7.51		4.08		2.17		6.18		1.68		1.05			
CUMBERLAND 2	5.43	1.87	2.11	-1.06	1.20	-2.03	4.93	2.36	1.76	-1.22	0.94	-1.91	39.20	1.84
FROSTBURG 2	7.79	3.79	2.10	-1.50	1.45	-2.23	5.84	2.80	2.26	-1.41	1.13	-2.16	52.03	7.62

TOTAL PRECIPITATION AND DEPARTURE FROM NORMAL (INCHES)

MARYLAND AND DELAWARE
2017

STATION	JAN		FEB		MAR		APR		MAY		JUN	
	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
SHARPSBURG 5 S	3.95	1.07	1.10	-1.46	3.15	-0.52	3.72	0.10	5.61	1.45	2.33	-1.55
WILLIAMSPORT	M		M		M		M		M 5.05	0.90	M	
--DIVISIONAL DATA----->	4.43	1.33	1.69	-0.93	4.24	0.82	3.65	0.26	6.88	2.67	3.82	0.30
ALLEGHENY PLATEAU 08												
OAKLAND 1 SE	6.56	3.02	2.63	-0.57	5.90	1.77	5.68	1.81	6.62	1.48	3.92	-0.50
SAVAGE RIVER DAM	4.16	1.41	1.83	-0.60	3.92	0.52	4.55	1.22	7.64	3.12	M 2.51	-1.39
SINES DEEP CREEK	MA 6.28		3.23		MA 5.25		MA 6.58		8.00		5.94	
--DIVISIONAL DATA----->	5.36	1.81	2.56	-0.53	4.91	1.04	5.12	1.28	7.42	2.88	4.93	0.72
DELAWARE												
NORTHERN 01												
WILMINGTON NEW CASTLE CO AP	2.67	-0.34	1.35	-1.33	4.98	1.06	2.32	-1.18	5.86	1.91	3.99	0.11
WILMINGTON PORTER RSCH	2.85	-0.86	1.47	-1.52	M 3.49	-1.03	3.55	-0.66	5.14	0.76	3.17	-1.02
--DIVISIONAL DATA----->	2.76	-0.94	1.41	-1.43	4.98	0.87	2.94	-0.69	5.50	1.08	3.58	-0.32
SOUTHERN 02												
DOVER //	MA 2.98	-0.43	1.09	-1.98	4.45	0.14	3.51	-0.37	7.66	3.41	3.16	-0.84
--DIVISIONAL DATA----->	M	M	1.09	-2.09	4.45	0.05	3.51	0.04	7.66	3.54	3.16	-0.25

TOTAL PRECIPITATION AND DEPARTURE FROM NORMAL (INCHES)

MARYLAND AND DELAWARE
2017

STATION	JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
SHARPSBURG 5 S	M 6.00	1.90	MA 3.16	-0.07	2.34	-1.66	6.09	2.68	1.61	-1.79	1.02	-2.13	M 40.08	-1.98
WILLIAMSPORT	M		M		M		M 5.58	2.52	M 1.65	-1.77	M 0.88	-2.22		
--DIVISIONAL DATA----->	6.91	3.27	2.76	-0.69	1.79	-1.70	5.76	2.68	1.83	-1.44	1.04	-1.83	44.80	4.74
ALLEGHENY PLATEAU 08														
OAKLAND 1 SE	10.66	5.20	5.76	1.98	2.21	-1.24	6.28	3.13	3.61	-0.22	2.32	-1.53	62.15	14.33
SAVAGE RIVER DAM	6.95	2.63	2.78	-0.55	1.32	-2.00	5.70	3.04	2.15	-0.85	1.09	-1.71	M 44.60	4.84
SINES DEEP CREEK	MA 8.80		MA 2.48		MA 1.67		MA 6.70		MA 3.66		MA 1.60		M 60.19	
--DIVISIONAL DATA----->	8.81	3.94	4.27	0.36	1.77	-1.83	5.99	2.96	2.88	-0.68	1.71	-1.87	55.73	10.08
DELAWARE														
NORTHERN 01														
WILMINGTON NEW CASTLE CO AP	6.75	2.18	4.22	0.97	1.12	-3.20	4.02	0.60	1.39	-1.71	1.23	-2.25	39.90	-3.18
WILMINGTON PORTER RSCH	8.64	3.28	M 5.87	2.20	1.43	-3.47	M		1.34	-2.14	M 0.00	-4.10		
--DIVISIONAL DATA----->	7.70	3.20	4.22	0.50	1.28	-3.04	4.02	0.66	1.37	-2.01	1.23	-2.39	40.99	-4.51
SOUTHERN 02														
DOVER //	6.34	2.25	10.00	5.64	4.07	-0.06	2.89	-0.53	2.08	-1.40	0.84	-2.81	M 49.07	3.02
--DIVISIONAL DATA----->	6.34	2.42	10.00	5.11	4.07	-0.08	2.89	-0.49	2.08	-1.21	0.84	-2.70		4.34

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL(°F)

MARYLAND AND DELAWARE
2017

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		M		M		M		M		M		M		M		M		M		M		M		M		
PRINCESS ANNE	42.4M	6.2	45.0M	6.5	46.0M	0.3	MM		64.0M	0.4	72.8M	0.7	MM		74.8M	0.4	MM		61.6M	3.8	MM		MM		MM		MM		
SALISBURY 2N	41.1F		47.8		46.5		62.7		64.8		74.7		79.8		75.4		71.2		64.5		48.0		MM		MM		MM		
SALISBURY FAA AP	40.2	4.8	45.2	7.5	44.6	-0.1	61.1	7.1	62.6	0.0	73.5	1.5	79.2	2.4	74.5	-0.4	70.1	1.9	62.2	5.0	48.0	-0.2	MM		36.5	-2.5	58.1	2.1	
SNOW HILL 4 N	40.6	3.3	44.8	5.3	45.2	-1.2	61.0	5.2	64.3	-0.4	73.1	-0.5	M		73.4	-2.3	69.8	0.0	61.9	2.8	48.3	-1.7	M		M		M		
--DIVISIONAL DATA----->	41.1	5.1	45.7	7.9	45.6	0.3	61.6	7.5	63.9	0.7	73.5	1.7	79.5	2.8	74.5	-0.8	70.4	1.1	62.6	4.3	48.2	-0.6	36.5	-3.8	58.6	2.2	58.6	2.2	
CENTRAL EASTERN SHORE 02																													
ROYAL OAK 2 SSW	41.0	4.7	47.1	8.2	47.4	0.9	62.4	6.1	64.7	-0.7	76.2	1.7	80.3	1.7	76.0	-0.9	71.1	0.9	63.6	4.0	49.2	-0.8	38.0	-2.1	59.8	1.9	59.8	1.9	
--DIVISIONAL DATA----->	41.0	6.2	47.1	10.2	47.4	2.1	62.4	7.9	64.7	0.4	76.2	3.3	80.3	2.6	76.0	0.1	71.1	1.9	63.6	5.4	49.2	1.1	38.0	-1.3	59.8	3.4	59.8	3.4	
LOWER SOUTHERN 03																													
MECHANICSVILLE 5 NE	38.2	4.2	44.0	7.1	43.6	-1.0	60.2	5.6	61.8	-0.7	71.4	0.1	76.5	1.0	72.0	-1.7	67.3	0.8	59.4	3.8	45.7	-1.4	36.0	-1.3	56.3	1.3	56.3	1.3	
SOLOMONS	MMF		46.2M	6.9	MM		MM		MM		MM		MM		MM		71.1M	-0.9	MM		MM		MM		MM		M		M
--DIVISIONAL DATA----->	38.2	4.2	45.1	8.2	43.6	-1.6	60.2	6.0	61.8	-1.6	71.4	-0.3	76.5	0.2	72.0	-2.7	69.2	1.1	59.4	2.5	45.7	-1.6	36.0	-2.8	56.6	1.0	56.6	1.0	
UPPER SOUTHERN 04																													
BALTIMORE-WASHINGTON INTL AP	39.0	6.1	44.2	8.4	43.9	0.3	60.3	6.6	62.3	-0.6	73.7	1.3	78.7	1.7	73.5	-1.6	69.1	1.3	61.6	5.5	46.2	-0.3	35.5	-1.2	57.3	2.2	57.3	2.2	
BELTSVILLE	38.8	5.9	43.3	7.6	43.2	-0.5	59.7	6.0	62.6	-0.8	73.5	0.6	78.4	1.1	73.6	-2.2	68.9	0.5	61.8	5.4	45.9	-0.9	36.2	-0.7	57.2	1.8	57.2	1.8	
DALECARLIA RSVR	39.3	5.1	43.9M	6.1	42.9M	-2.6	59.5M	3.3	63.7	-1.4	74.7	0.6	79.7	1.4	74.9M	-1.9	68.8M	-0.9	62.1M	4.3	46.5M	-1.1	36.8M	-0.8	M 57.7	0.9	M 57.7	0.9	
MARYLAND SCI CTR	41.4	5.6	47.1	8.5	46.0	-0.3	63.0	6.4	65.4	-0.7	78.1	2.0	82.6	1.9	77.2	-1.8	73.1	1.1	65.8	5.7	50.1	-0.2	39.3	-0.1	60.8	2.3	60.8	2.3	
NATL ARBORETUM DC	41.2	5.7	45.7M	7.3	45.2M	-1.0	62.0	5.6	64.6	-1.3	75.9	0.8	81.0M	1.4	76.8	-1.2	71.0	0.7	63.4M	4.9	47.8	-1.0	38.0	-1.2	M 59.4	1.7	M 59.4	1.7	
OXON HILL	40.2	5.1	45.1	7.2	44.6	-0.8	61.6	5.1	64.3	-0.7	74.8	0.4	79.8	1.5	75.3	-1.6	69.9	0.2	62.4	4.5	47.2	-1.2	37.8	-0.8	58.6	1.5	58.6	1.5	
--DIVISIONAL DATA----->	40.0	6.7	44.9	8.6	44.3	-0.2	61.0	6.9	63.8	0.2	75.1	2.8	80.0	2.9	75.2	-0.2	70.1	1.8	62.9	6.5	47.3	0.6	37.3	-0.3	58.5	3.0	58.5	3.0	
NORTHERN EASTERN SHORE 05																													
STEVENSVILLE 2SW	38.8	4.5	43.7	6.9	43.7	-0.2	59.8	5.1	64.1	0.8	75.6	1.9	80.4	3.5	76.5	0.3	72.1	2.5	64.3	5.0	48.3	-0.9	37.6	-1.6	58.7	2.2	58.7	2.2	
--DIVISIONAL DATA----->	38.8	6.1	43.7	8.4	43.7	-0.1	59.8	6.5	64.1	1.1	75.6	3.9	80.4	3.8	76.5	1.6	72.1	4.3	64.3	7.8	48.3	1.8	37.6	0.3	58.7	3.7	58.7	3.7	
NORTHERN CENTRAL 06																													
ABERDEEN PHILLIPS FLD	37.3	3.7	41.4	5.8	41.1	-1.9	57.8	3.7	61.4	-1.1	72.6	0.4	78.2	1.0	72.2	-3.1	68.8	1.0	60.3	3.9	45.2	-1.8	34.5	-2.8	55.9	0.6	55.9	0.6	
BRIGHTON DAM	38.1M		42.2M		41.9MF		60.1M		61.0M		72.9MF		MM		MM		MM		MM		M		M		M		M		M
CONOWINGO DAM	34.0	2.1	39.8	5.1	38.9	-3.9	56.3	2.8	59.9	-3.9	71.2	-2.5	76.3M	-1.9	70.2	-6.3	66.9	-2.1	59.2	2.3	43.1	-3.1	32.5	-4.1	M 54.0	-1.4	M 54.0	-1.4	
CYLBURN	M		45.8M	10.1	MM		M		M		MM		79.7	5.4	MM		M		M		M		M		M		M		M
DAMASCUS 3 SSW	37.1	5.7	43.7	9.4	41.8	-0.4	59.8	6.7	60.5	-1.2	71.2	0.8	75.5	1.2	70.9	-2.1	66.3	0.6	59.9	5.1	44.8	-0.4	33.7	-1.6	55.4	1.9	55.4	1.9	
EMMITSBURG 2 SE	36.1	5.9	41.2	8.8	40.1	-0.8	56.9M	5.8	60.1M	-0.6	70.1	0.3	75.6	1.1	70.4	-2.3	66.9	1.8	59.1	5.1	42.8	-1.1	33.7	-0.6	M 54.4	1.8	M 54.4	1.8	
MILLERS 4 NE	35.5	5.4	42.7	9.5	40.9	0.0	58.8	7.1	60.2	-0.6	70.8	1.4	75.3	1.9	70.7	-1.3	66.6	1.7	60.1	5.9	44.2	-0.2	33.1	-1.1	54.9	2.4	54.9	2.4	
REISTERSTOWN 2 NW	35.4MF		41.7MF		39.7MF		57.1MF		61.1		72.5M		77.5M		71.2MF		67.4MF		59.3MF		43.5M		33.6M		M 55.0		M 55.0		
SMITHSBURG 2NW	35.5M	5.5	42.0M	9.4	38.4M	-1.8	57.0	5.5	59.0M	-1.3	70.0	-0.5	73.8	-0.7	69.5	-3.6	65.0	-0.3	58.3	4.6	41.3M	-2.7	32.5	-1.0	M 53.5	1.0	M 53.5	1.0	
--DIVISIONAL DATA----->	36.1	4.9	42.3	8.3	40.4	-2.3	58.0	5.7	60.4	-1.9	71.4	0.7	76.5	1.2	70.7	-2.8	66.8	0.2	59.5	4.2	43.6	-1.3	33.4	-2.4	54.9	1.2	54.9	1.2	
APPALACHIAN MOUNTAIN 07																													
HAGERSTOWN 1 E	M		M		M		M		M		M		77.0		72.2		67.6		60.4		43.9		33.5		M		M		M
CUMBERLAND 2	36.9	5.0	43.3	8.5	41.6	-2.1	59.2	4.7	61.4	-2.4	71.1	-1.5	75.7	-1.1	72.1	-3.3	67.3	-0.1	59.5	3.5	42.7	-2.7	33.6	-2.0	55.4	0.5	55.4	0.5	
FROSTBURG 2	31.4	5.4	37.7	9.1	34.9	-1.2	53.6	6.1	55.8	-0.8	65.7	0.6	70.0	1.0	65.8	-2.0	62.3	1.3	55.4	5.4	39.1	-1.4	27.8	-2.1	50.0	1.7	50.0	1.7	

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL(°F)

MARYLAND AND DELAWARE
2017

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.
SHARPSBURG 5 S	36.5	5.7	41.7	8.4	40.2	-1.0	57.2	5.9	60.4	-0.7	70.1	-0.1	74.6	0.5	70.2M	-2.6	65.9	0.3	59.3	4.7	42.7	-1.8	33.9M	0.3	M 54.4	1.5
--DIVISIONAL DATA----->	34.9	5.9	40.9	8.8	38.9	-1.8	56.7	6.0	59.2	-1.1	69.0	0.5	74.3	1.5	70.1	-1.1	65.8	1.7	58.7	6.0	42.1	-0.6	32.2	-1.3	53.6	2.1
ALLEGHENY PLATEAU 08																										
OAKLAND 1 SE	33.6	8.5	39.4	11.6	36.4	0.2	55.4	8.8	58.4	2.3	66.9	2.5	71.0	2.6	66.5	-0.4	61.9	1.9	56.0	6.6	40.5	1.2	29.2	-0.6	51.3	3.7
SAVAGE RIVER DAM	33.9	6.6	39.2	9.3	37.1	-0.7	54.5	5.8	56.9	-0.8	65.7M	-0.5	70.4	0.2	65.9	-3.2	62.8M	0.8	55.4	4.6	39.9	-1.3	30.5	-0.8	M 51.0	1.5
SINES DEEP CREEK	MM		34.9MF		MMF		MM		55.5M		62.0M		MM		MM		MM		MM		MM		MM		M	
--DIVISIONAL DATA----->	33.8	8.0	37.8	9.3	36.8	-0.2	55.0	8.0	56.9	0.4	64.9	0.5	70.7	2.1	66.2	-0.9	62.4	1.9	55.7	6.5	40.2	0.6	29.9	-0.5	50.9	3.0
DELAWARE																										
NORTHERN 01																										
WILMINGTON NEW CASTLE CO AP	37.6	5.2	43.1	8.0	41.6	-1.4	58.8	5.5	61.9	-0.9	73.2	1.0	78.2	1.4	73.6	-1.6	70.0	2.2	62.4	6.2	46.1	-0.5	34.8	-1.9	56.8	1.9
WILMINGTON PORTER RSCH	35.4	3.6	40.4	5.8	38.9	-3.4	57.1	4.4	59.4	-3.0	71.5	-0.2	75.7	-0.5	71.9M	-2.7	69.0	1.8	MM		45.7	-0.5	34.0	-2.2	M 54.5	0.1
--DIVISIONAL DATA----->	36.5	4.8	41.8	7.5	40.3	-2.4	58.0	5.6	60.7	-1.9	72.4	1.0	77.0	0.8	72.8	-1.7	69.5	2.1	62.4	6.6	45.9	0.1	34.4	-2.2	56.0	1.7
SOUTHERN 02																										
DOVER	39.7	4.5	45.8	7.8	44.8	-0.4	60.2	5.2	63.4	-0.8	74.5	1.2	78.5	0.8	74.6	-1.5	70.7	1.0	63.6	4.9	49.1	-0.1	37.2	-2.0	58.5	1.6
--DIVISIONAL DATA----->	39.7	5.1	45.8	9.4	44.8	0.4	60.2	7.0	63.4	0.5	74.5	2.8	78.5	2.0	74.6	-0.2	70.7	2.4	63.6	6.3	49.1	1.4	37.2	-1.8	58.5	2.9

TEMPERATURE EXTREMES AND FREEZE DATA (°F)

MARYLAND AND DELAWARE
2017

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.									
MARYLAND																																	
SOUTHERN EASTERN SHORE 01																																	
ASSATEAGUE					MSG		MSG		MSG		MSG		MSG		NONE		NONE		NONE		NONE		NONE		NONE		NONE						
PRINCESS ANNE	97	07/13	0	01/09	01/10	4	03/06	20	03/24	24	03/24	24	03/24	24	11/24	24	11/24	24	11/24	24	NONE		NONE		NONE		NONE						
SALISBURY 2N	96	07/13	4	01/09	03/23	16	03/23	16	03/24	24	03/24	24	03/24	24	11/11	24	11/11	24	11/11	24	12/31	20	NONE		NONE								
SALISBURY FAA AP	97	07/13	0	01/09	01/10	4	03/06	20	03/23	24	03/24	26	04/09	31	11/10	29	11/11	23	11/11	23	12/27	18	12/28				9	352	283	296	233	232	232
SNOW HILL 4 N	95	05/17	0	01/09	03/13	16	03/23	20	03/24	22	04/09	26	04/09	26	10/18	28	10/18	28	11/11	17	11/11	17	NONE										
CENTRAL EASTERN SHORE 02																																	
ROYAL OAK 2 SSW	96	07/21	11	01/09	01/09	11	03/05	19	03/17	23	03/23	25	03/24	32	11/11	25	11/11	25	12/13	22	12/28	16	12/28	16	12/28	16	353	298	271	233	232		
LOWER SOUTHERN 03																																	
MECHANICSVILLE 5 NE	91	07/21	5	01/09	01/11	10	03/14	20	03/24	24	03/24	24	03/25	29	11/11	24	11/11	24	11/11	24	12/28	14	12/28	14	12/28	14	351	289	232	232	231		
SOLOMONS	90	07/04	15	01/08	01/08	15	01/09	20	03/14	23	03/15	27	03/15	27	12/13	23	12/13	23	12/13	23	NONE		NONE		NONE								
UPPER SOUTHERN 04																																	
BALTIMORE-WASHINGTON INTL AP	98	07/20	8	12/31	01/10	16	03/15	20	03/17	24	03/23	25	03/24	30	11/10	28	11/10	28	11/11	21	12/13	20	12/27	16	12/27	16	351	273	239	232	231		
BELTSVILLE	95	07/20	11	01/09	01/10	16	03/05	19	03/23	22	03/23	22	03/24	30	11/11	23	11/11	23	11/11	23	12/16	20	12/28	14	12/28	14	352	286	233	233	232		
DALECARLIA RSVR	97	07/15	12	01/10	01/10	12	03/16	20	03/17	23	03/23	25	03/24	30	11/11	25	11/11	25	11/12	23	12/14	20	12/28	13	12/28	13	352	273	240	233	232		
MARYLAND SCI CTR	99	07/20	16	01/08	01/08	16	01/09	17	03/15	22	03/16	26	03/23	29	11/10	31	11/11	27	12/13	23	12/27	20	NONE		NONE								
NATL ARBORETUM DC	98	07/15	15	12/29	01/09	15	01/10	17	03/16	22	03/23	25	03/24	30	11/11	25	11/11	25	12/13	22	12/28	15	12/28	15	12/28	15	353	352	272	233	232		
OXON HILL	96	07/21	13	12/28	01/10	16	03/15	20	03/17	24	03/24	25	03/24	25	11/11	24	11/11	24	11/11	24	12/28	13	12/28	13	12/28	13	352	288	239	232	232		
NORTHERN EASTERN SHORE 05																																	
STEVENSVILLE 2SW	97	07/14	15	01/08	01/09	16	03/05	20	03/16	22	03/24	27	03/24	27	11/11	27	11/11	27	12/13	22	12/28	16	12/28	16	12/28	16	353	298	272	232	232		
NORTHERN CENTRAL 06																																	
ABERDEEN PHILLIPS FLD	94	07/21	12	01/10	01/10	12	03/16	19	03/24	23	03/24	23	03/25	32	11/11	19	11/11	19	11/11	19	11/11	19	12/28	13	12/28	13	352	240	232	232	231		
BRIGHTON DAM	94	07/19	9	01/09	01/10	14	03/23	19	03/23	19	03/25	28	04/09	32	NONE		NONE		NONE		NONE		NONE		NONE								
CONOWINGO DAM	92	07/21	9	01/09	03/05	16	03/17	20	03/18	23	03/24	26	03/25	30	11/11	24	11/11	24	11/11	24	12/13	19	12/16	16	12/16	16	286	271	238	232	231		
CYLBURN	99	07/21	19	03/16	MSG		03/16	19	03/16	19	03/17	26	03/18	32	NONE		NONE		NONE		NONE		NONE		NONE								
DAMASCUS 3 SSW	92	07/19	8	01/09	03/05	14	03/16	20	03/23	21	03/23	21	03/24	32	11/10	25	11/10	25	11/11	18	11/11	18	12/27	14	12/27	14	297	240	233	232	231		
EMMITSBURG 2 SE	94	07/20	8	01/09	03/13	16	03/18	19	03/24	22	03/24	22	04/10	31	10/28	32	11/11	19	11/11	19	11/11	19	12/28	11	12/28	11	290	238	232	232	201		
MILLERS 4 NE	92	06/13	5	01/09	03/15	15	03/23	18	03/23	18	03/23	18	04/08	32	11/10	29	11/11	17	11/11	17	11/11	17	12/13	16	12/13	16	273	233	233	233	216		
REISTERSTOWN 2 NW	98	07/23	8	12/29	03/15	16	03/15	16	03/24	24	03/24	24	04/09	32	11/10	32	11/11	18	11/11	18	11/11	18	12/28	9	12/28	9	288	241	232	232	215		
SMITHSBURG 2NW	92	06/14	7	12/30	03/24	15	03/24	15	03/24	15	03/24	15	05/10	32	10/27	32	11/11	15	11/11	15	11/11	15	11/11	15	11/11	15	232	232	232	232	170		
APPALACHIAN MOUNTAIN 07																																	
CUMBERLAND 2	96	08/03	8	12/29	01/10	12	03/16	18	03/24	21	03/24	21	03/24	21	11/11	18	11/11	18	11/11	18	11/11	18	12/28	8	12/28	8	352	240	232	232	232		
FROSTBURG 2	87	06/19	-1	12/28	03/24	15	03/24	15	03/24	15	03/24	15	05/10	30	10/27	30	11/10	28	11/11	12	11/11	12	11/11	12	11/11	12	232	232	232	231	170		
SHARPSBURG 5 S	93	07/21	5	01/09	03/17	11	03/24	18	03/24	18	04/09	27	05/10	32	10/28	32	11/11	16	11/11	16	11/11	16	11/11	16	11/11	16	239	232	232	216	171		
ALLEGHENY PLATEAU 08																																	
OAKLAND 1 SE	87	08/18	-11	12/29	03/24	13	03/24	13	03/24	13	05/09	28	05/09	28	10/17	30	10/27	28	11/11	13	11/11	13	11/11	13	11/11	13	232	232	232	171	161		
SAVAGE RIVER DAM	87	07/20	2	12/28	03/16	14	03/24	18	03/24	18	03/24	18	05/10	30	10/20	30	11/11	17	11/11	17	11/11	17	12/13	15	12/13	15	272	232	232	232	163		
SINES DEEP CREEK	85	06/19	-6	12/29	03/24	15	03/24	15	03/24	15	05/10	27	05/10	27	10/04	31	10/30	27	11/13	15	11/13	15	11/13	15	11/13	15	234	234	234	173	147		
DELAWARE																																	

TEMPERATURE EXTREMES AND FREEZE DATA (°F)

MARYLAND AND DELAWARE
2017

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.					
NORTHERN 01	95	06/13	8	12/31	03/05	14	03/23	20	03/23	20	03/23	20	03/30	32	11/10	25	11/10	25	11/11	20	11/11	20	12/27	16	297	233	233	232	225
WILMINGTON NEW CASTLE CO AP	93	06/14	8	12/31	03/15	16	03/17	20	03/24	22	03/24	22	03/24	22	11/10	24	11/10	24	11/10	24	12/13	19	12/27	14	287	271	231	231	231
WILMINGTON PORTER RSCH																													
SOUTHERN 02	95	06/14	6	01/09	03/05	15	03/15	19	03/23	23	03/23	23	03/24	30	11/11	22	11/11	22	11/11	22	12/13	20	12/28	15	298	273	233	233	232
DOVER																													

MONTHLY AND SEASONAL COOLING DEGREE DAYS
BASE = 65 DEGREES FAHENHEIT

MARYLAND AND DELAWARE
 2017

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	SEASONAL NORM
MARYLAND														
SOUTHERN EASTERN SHORE 01														
ASSATEAGUE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRINCESS ANNE	0	0	3E	38E	85E	262E	466E	309E	183E	79E	0	0	-	-
SALISBURY 2N	0	1	6	86	94	307	468	331	205	101	0	0	1599	1155
SALISBURY FAA AP	0	0	2	68	68	278	447	304	172	75	1	0	1415	1155
SNOW HILL 4 N	0	0	0	68	95	266	-	270	165	71	3	0	-	-
CENTRAL EASTERN SHORE 02														
ROYAL OAK 2 SSW	0	0	1	70	89	348	484	351	205	81	5	0	1634	1392
LOWER SOUTHERN 03														
MECHANICSVILLE 5 NE	0	0	1	57	68	212	365	222	118	44	0	0	1087	1093
SOLOMONS	0	0	0	21E	115E	312E	455E	317E	198E	71E	0	0	1489E	-
UPPER SOUTHERN 04														
BALTIMORE-WASHINGTON INTL AP	0	0	0	49	59	279	433	272	159	65	0	0	1316	1147
BELTSVILLE	0	0	0	53	65	274	424	277	156	71	0	0	1320	1109
DALECARLIA RSVR	0	2E	0	64E	83	308	463	318E	151E	68E	0	0	1457E	1258
MARYLAND SCI CTR	0	0	4	78	95	401	550	386	258	109	4	0	1885	-
NATL ARBORETUM DC	0	0	0	71	98	341	506E	374	202	74E	0	0	1666E	1243
OXON HILL	0	0	0	70	92	308	466	326	183	66	0	0	1511	-
NORTHERN EASTERN SHORE 05														
STEVENSVILLE 2SW	0	0	0	49	79	331	486	366	224	89	2	0	1626	-
NORTHERN CENTRAL 06														
ABERDEEN PHILLIPS FLD	0	0	0	41	46	246	416	235	160	45	0	0	1189	1153
BRIGHTON DAM	0	0	0	30E	38E	240E	403E	282E	124E	56E	-	-	-	-
CONOWINGO DAM	0	0	0	24	34	206	359E	171	123	32	0	0	949E	1068
CYLBURN	-	0	0	-	-	450E	462	250E	-	-	-	-	-	-
DAMASCUS 3 SSW	0	0	0	50	49	205	331	196	105	47	0	0	983	-
EMMITSBURG 2 SE	0	0	0	27E	45E	180	338	182	120	45	0	0	937E	918
MILLERS 4 NE	0	0	0	38	45	194	325	190	116	46	0	0	954	790
REISTERSTOWN 2 NW	0	0	0	29E	55	245E	389E	208E	130E	42E	0	0	1098E	-
SMITHSBURG 2NW	0	0	0	33	43E	178	283	149	88	37	0	0	811E	-
APPALACHIAN MOUNTAIN 07														
HAGERSTOWN 1 E	-	-	-	-	-	-	375	233	141	57	0	0	-	-
CUMBERLAND 2	0	2	1	37	62	204	337	229	134	54	0	0	1060	877
FROSTBURG 2	0	0	0	5	28	91	170	79	51	20	0	0	444	344
SHARPSBURG 5 S	0	0	0	33	50	178	308	171E	103	46	0	0	889E	-
ALLEGHENY PLATEAU 08														
OAKLAND 1 SE	0	0	0	18	39	105	207	90	48	22	0	0	529	316
SAVAGE RIVER DAM	0	0	0	7	19	79E	179	86	55E	23	0	0	448E	414
SINES DEEP CREEK	0	0	0	0	3E	37E	124E	35E	13E	0	0	0	212E	-
DELAWARE														
NORTHERN 01														
WILMINGTON NEW CASTLE CO AP	0	0	0	30	61	261	417	277	183	75	0	0	1304	1125
WILMINGTON PORTER RSCH	0	0	0	21	29	219	339	225E	154	180E	0	0	1167E	-
SOUTHERN 02														

MARYLAND AND DELAWARE
2017

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
DOVER	0	2	3	50	76	297	425	305	194	80	7	0	1439	1262

SOILS REFERENCE NOTES

STATION	SOIL TYPE	SOIL COVER	SLOPE	UNITS
MARYLAND BELTSVILLE	UNKNOWN	GRASS	0	F

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	-	-	-	1585	1489	1442	1398	995	993	1220	-	-	-
	EVAP	-	-	-	4.42	4.94	7.51	7.36E	5.57	4.39	3.40	-	-	-
	MAX TEMP	-	-	50.5	69.8	71.6	84.8	87.0	85.7	82.8	75.4	-	-	-
	MIN TEMP	-	-	45.0	47.0	51.8	60.2	65.6	65.1	61.6	55.1	46.0	-	-
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	91	91	0			CH
ASSATEAGUE	0335	01	WORCESTER	38 4	75 13W	10	45	45	0		MAY	H
BALTIMORE WASHINGTON INTL CLIM	0467	04	ANNE ARUNDEL	39 11	76 39W	101	0	6	0			H
BALTIMORE-WASHINGTON INTL AP R	0465	04	ANNE ARUNDEL	39 10	76 41W	156	79	79	0			HJ
BELTSVILLE	0700	04	PRINCE GEORGE'S	39 2	76 56W	145	77	77	76			GCH
BRIGHTON DAM	1125	06	MONTGOMERY	39 11	77 0W	330	17	54	0		OCT	H
CONOWINGO DAM	2060	06	HARFORD	39 39	76 11W	40	82	82	0			H
CUMBERLAND 2	2282	07	ALLEGANY	39 39	78 45W	730	44	44	0			H
CYLBURN	2308	06	BALTIMORE	39 21	76 39W	235	15	15	0			H
DALECARLIA RSVR	2325	04	DISTRICT OF COLUMBIA	38 56	77 7W	150	70	70	0			H
DAMASCUS 3 SSW	2336	06	MONTGOMERY	39 16	77 14W	700	25	25	0			H
EMMITSBURG 2 SE	2906	06	FREDERICK	39 41	77 17W	403	62	62	0			H
FROSTBURG 2	3415	07	ALLEGANY	39 40	78 56W	2170	46	46	0			H
HAGERSTOWN 1 E	1790	07	WASHINGTON	39 38	77 42W	532	76	76	0			H
MARYLAND SCI CTR R R	5718	04	BALTIMORE (CITY)	39 17	76 37W	20	20	19	0			H
MECHANICSVILLE 5 NE	5865	03	ST. MARY'S	38 28	76 42W	100	44	53	0			H
MILLERS 4 NE	5934	06	CARROLL	39 43	76 48W	860	30	30	0			CH
NATL ARBORETUM DC	6350	04	DISTRICT OF COLUMBIA	38 55	76 58W	50	70	70	0			H
OAKLAND 1 SE	6620	08	GARRETT	39 25	79 24W	2420	119	119	0			H
OXON HILL	6800	04	PRINCE GEORGE'S	38 48	76 60W	186	16	16	0			H
PRINCESS ANNE	7330	01	SOMERSET	38 13	75 41W	20	122	122	0			H
REISTERSTOWN 2 NW	7580	06	BALTIMORE	39 30	76 50W	737	2	2	0			H
ROYAL OAK 2 SSW //	7806	02	TALBOT	38 43	76 11W	10	70	70	0			H
SALISBURY 2N	8004	01	WICOMICO	38 24	75 36W	20	6	6	0			H
SALISBURY FAA AP //	8005	01	WICOMICO	38 20	75 31W	47	70	70	0			H
SAVAGE RIVER DAM	8065	08	GARRETT	39 31	79 8W	1495	67	73	43			CH
SHARPSBURG 5 S	8207	07	WASHINGTON	39 24	77 43W	500	20	20	0			H
SINES DEEP CREEK	8315	08	GARRETT	39 31	79 25W	2040	43	43	0			H
SMITHSBURG 2NW	8371	06	WASHINGTON	39 40	77 35W	670	16	16	0			H
SNOW HILL 4 N	8380	01	WORCESTER	38 14	75 23W	30	102	102	0			H
SOLOMONS	8405	03	CALVERT	38 19	76 27W	12	107	107	0			H
STEVENSVILLE 2SW	8557	05	QUEEN ANNE'S	38 58	76 20W	10	40	40	0			H
SUDLERSVILLE 1S	8657	05	QUEEN ANNE'S	39 10	75 51W	100	0	3	0			H
WILLIAMSPORT	9570	07	WASHINGTON	39 37	77 51W	360	17	52	0			CH
DELAWARE												
DOVER //	2730	02	KENT	39 9	75 30W	30	115	115	0			H
WILMINGTON NEW CASTLE CO AP R R	9595	01	NEW CASTLE	39 40	75 36W	79	70	70	0			HJ
WILMINGTON PORTER RSCH	9605	01	NEW CASTLE	39 46	75 32W	270	86	87	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 2012, the averaging period is 1981 to 2010. 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 Centers For Environmental Information. 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 Centers For Environmental Information. 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 NCEI's Products 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. NCEI's Products 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 CD Publications are periodically reproduced to include the addition of late reports and reported corrections. The GHCND data version noted on the cover of the publication provides the generation date.

The climate division temperature and precipitation values in this publication are based on simple averages from the current set of NWS-Designated Open and Published COOP and First Order Sites within each division. These values differ from those found in NCEI's nClimDiv product. Beginning in February 2014, the nClimDiv product is used by NCEI's Monitoring Branch and in its monthly climate reports. For more details on nClimDiv, please go to <http://www.ncdc.noaa.gov/monitoring-references/maps/us-climate-divisions.php>.

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