



CLIMATOLOGICAL DATA ANNUAL SUMMARY MARYLAND AND DELAWARE

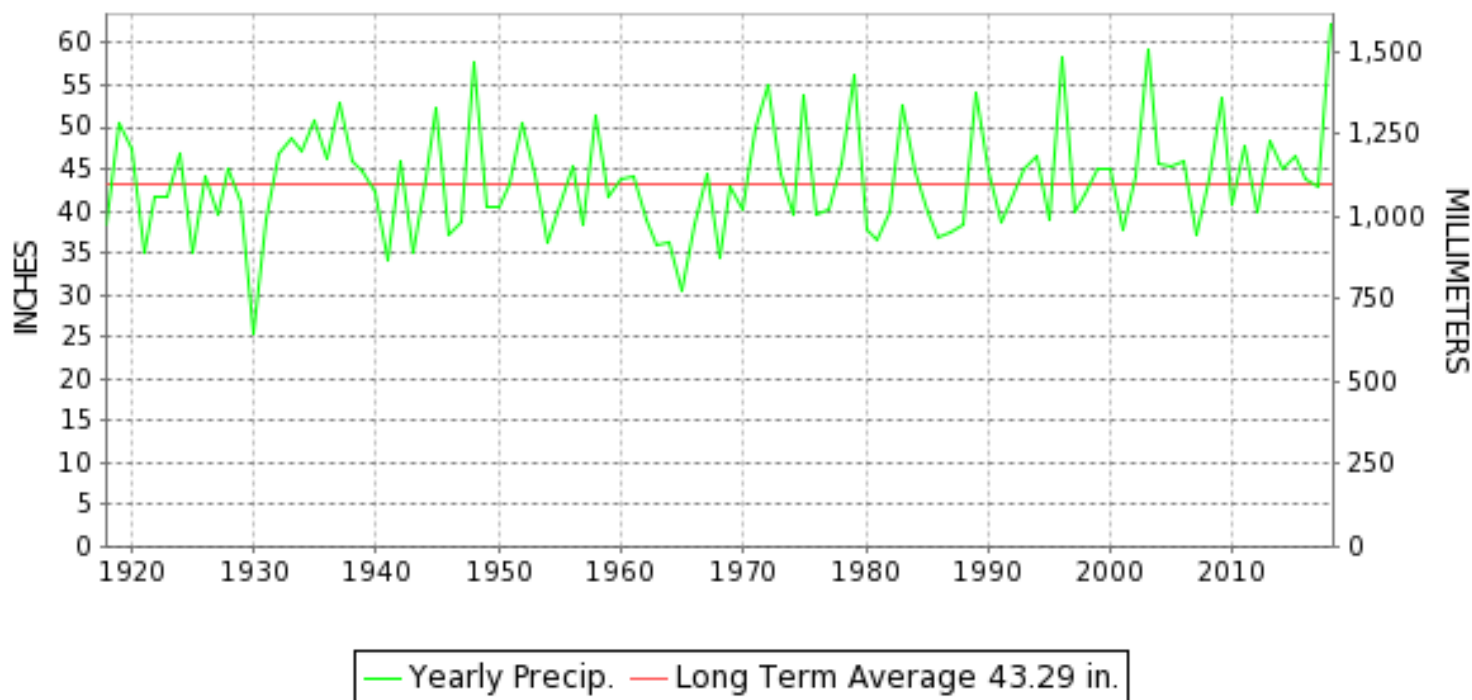
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YEARLY TOTAL PRECIPITATION



MARYLAND AND DELAWARE PRECIPITATION 1918-2018

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Asheville, North Carolina

TOTAL PRECIPITATION AND DEPARTURE FROM NORMAL (INCHES)

MARYLAND AND DELAWARE
2018

STATION	JAN		FEB		MAR		APR		MAY		JUN	
	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
MARYLAND												
SOUTHERN EASTERN SHORE 01												
PRINCESS ANNE	M		M		M		M		M		M	
SALISBURY 2N	4.63		2.88		M		3.08		11.39		5.25	
SALISBURY-WICOMICO RGNL AP //	3.53	-0.08	2.72	-0.63	3.04	-1.38	2.31	-1.24	9.79	6.17	4.17	0.46
SNOW HILL 4 N	4.15	0.58	M 1.90	-1.24	3.39	-1.13	2.36	-1.12	M		4.60	1.13
--DIVISIONAL DATA----->	4.10	0.10	2.80	-0.62	3.22	-1.26	2.58	-0.68	10.59	6.97	4.67	1.29
CENTRAL EASTERN SHORE 02												
ROYAL OAK 2 SSW	3.27	-0.33	5.93	2.80	3.27	-1.09	3.30	-0.56	7.73	3.54	2.79	-1.07
--DIVISIONAL DATA----->	3.27	-0.71	5.93	2.62	3.27	-1.02	3.30	-0.09	7.73	3.82	2.79	-0.76
LOWER SOUTHERN 03												
MECHANICSVILLE 5 NE	2.43	-0.80	6.73	3.65	3.07	-1.14	3.68	0.18	11.59	7.39	7.06	2.99
SOLOMONS	4.56		4.13		MA 3.71		4.23		MA 8.72		MA 4.43	
--DIVISIONAL DATA----->	3.50	-0.22	5.43	2.41	3.07	-1.24	3.96	0.76	11.59	7.45	7.06	3.28
UPPER SOUTHERN 04												
ANNAPOLIS US NAVAL ACADEMY ASO	1.23		5.70		M 2.35		3.28		6.22		M 1.80	
BALTIMORE-WASHINGTON INTL AP	1.00	-2.05	5.30	2.40	2.25	-1.65	3.20	0.01	8.17	4.18	4.77	1.31
BALTIMORE WASHINGTON INTL CLIM	M		M		M		M		M		M	
BELTSVILLE	0.75	-2.11	4.87	2.27	1.87	-1.81	3.61	0.26	6.74	2.42	6.09	2.39
DALECARLIA RSVR	M 1.08	-1.94	5.46	2.43	M 2.01	-1.99	M 5.27	1.61	M 8.06	3.62	M 6.22	2.01
MARYLAND SCI CTR	0.94	-1.98	4.80	2.20	2.69	-1.17	4.69	1.47	9.27	5.78	3.20	-0.07
NATL ARBORETUM DC	M 0.89	-2.20	M 3.63	0.73	2.28	-1.44	3.96	0.45	8.58	4.30	6.86	2.78
OXON HILL	1.08	-1.94	6.13	3.20	2.35	-1.43	3.27	-0.13	7.91	3.55	6.04	1.68
--DIVISIONAL DATA----->	1.00	-2.55	5.38	2.46	2.29	-1.73	3.67	0.33	7.82	3.38	5.39	1.73
NORTHERN EASTERN SHORE 05												
STEVENSVILLE 2SW	1.96		8.93		2.60		2.32		6.38		2.97	
SUDLERSVILLE 1S	M 1.35		M 6.45		M		M		M		M	
--DIVISIONAL DATA----->	1.96	-1.69	8.93	5.91	2.60	-1.52	2.32	-1.07	6.38	2.23	2.97	-0.97
NORTHERN CENTRAL 06												
ABERDEEN PHILLIPS FLD	1.18	-1.98	5.17	2.29	3.48	-0.41	3.17	-0.50	8.27	4.32	4.41	0.59
CONOWINGO DAM	2.57	-0.87	M 5.08	2.23	M 2.89	-1.36	3.80	-0.13	6.23	2.27	4.38	0.20
CYLBURN	M		M		M		M		M		M	
DAMASCUS 3 SSW	2.41	-0.96	4.55	1.38	2.35	-1.34	3.29	-0.34	6.29	2.12	4.61	0.47
EMMITSBURG 2 SE	M 3.57	0.39	M 4.82	2.12	1.98	-2.07	4.26	0.35	6.18	1.84	7.88	3.96
MILLERS 4 NE	3.48	0.27	5.11	1.92	3.04	-0.68	4.72	1.01	5.65	1.39	5.40	2.01
REISTERSTOWN 2 NW	M 1.59		M 3.96		M 1.84		M 3.77		M		M 4.95	
SMITHSBURG 2NW	M 3.67	1.01	M 4.08	1.34	M 2.45	-1.26	3.77	-0.04	4.92	0.78	4.94	0.75
--DIVISIONAL DATA----->	2.41	-1.19	4.94	2.02	2.71	-1.32	3.84	0.31	6.26	1.64	5.27	1.22
APPALACHIAN MOUNTAIN 07												
HAGERSTOWN 1 E	3.34		4.72		2.03		4.49		5.24		4.94	
CUMBERLAND 2	1.38	-1.28	4.05	1.68	2.22	-1.15	4.35	1.05	7.57	3.55	8.29	5.01
FROSTBURG 2	2.08	-1.24	5.74	2.62	3.00	-0.94	5.44	1.57	9.36	4.48	7.16	3.16
HAGERSTOWN RGNL AP	2.62	-0.06	3.88	1.33	1.96	-1.42	4.12	0.56	4.64	0.61	4.97	1.09

TOTAL PRECIPITATION AND DEPARTURE FROM NORMAL (INCHES)

MARYLAND AND DELAWARE
2018

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														
PRINCESS ANNE	7.06	2.73	3.22	-1.44	7.04	3.20	6.80	3.50	MA 5.86	2.47	M			
SALISBURY 2N	4.55		3.30		7.73		8.48		6.39		4.67			
SALISBURY-WICOMICO RGNL AP //	4.74	0.36	2.26	-2.17	5.26	1.28	8.67	5.18	4.50	1.07	3.53	-0.18	54.52	8.84
SNOW HILL 4 N	7.94	3.55	2.63	-2.27	7.47	3.07	F 1.49	-2.04	4.50	0.98	3.29	-0.38		
--DIVISIONAL DATA----->	6.07	1.76	2.85	-1.89	6.88	3.12	7.98	4.61	5.13	1.95	3.83	0.43	60.70	15.78
CENTRAL EASTERN SHORE 02														
ROYAL OAK 2 SSW	6.56	2.19	3.02	-1.25	6.57	2.56	5.91	2.19	M 7.82	4.17	4.61	0.87	M 60.78	14.02
--DIVISIONAL DATA----->	6.56	2.37	3.02	-1.24	6.57	2.75	5.91	2.67	M	M	4.61	1.12		11.53
LOWER SOUTHERN 03														
MECHANICSVILLE 5 NE	12.88	8.57	4.28	0.40	8.98	4.70	8.27	4.57	6.89	3.30	4.92	1.22	80.78	35.03
SOLOMONS	MA 8.29		MA 1.57		MA 7.68		MA 5.01		8.33		M			
--DIVISIONAL DATA----->	12.88	8.66	4.28	0.15	8.98	4.81	8.27	4.79	7.61	4.34	4.92	1.61	81.55	36.80
UPPER SOUTHERN 04														
ANNAPOLIS US NAVAL ACADEMY ASO	8.80		7.64		M 2.43		M 3.78		7.50		M			
BALTIMORE-WASHINGTON INTL AP	16.73	12.66	3.84	0.55	9.19	5.16	2.69	-0.64	8.14	4.84	6.54	3.17	71.82	29.94
BALTIMORE WASHINGTON INTL CLIM	M		M		M		M		M		M			
BELTSVILLE	7.71	3.77	5.67	2.40	12.08	8.00	3.60	-0.07	7.61	4.37	5.30	2.17	65.90	24.06
DALECARLIA RSVR	M 9.80	5.21	6.26	2.40	11.76	7.59	M 3.76	-0.08	M 9.06	5.44	M 5.36	2.14	M 74.10	28.44
MARYLAND SCI CTR	10.20	5.58	6.45	3.06	10.47	6.38	2.12	-0.93	7.83	4.86	6.10	2.69	68.76	27.87
NATL ARBORETUM DC	8.46	4.14	M 5.04	1.63	11.18	7.42	3.30	-0.49	8.05	4.58	5.78	2.58	M 68.01	24.48
OXON HILL	7.25	2.90	5.78	2.16	7.63	3.50	4.08	0.36	8.31	4.71	5.43	2.16	65.26	20.72
--DIVISIONAL DATA----->	9.86	5.72	5.94	1.99	10.39	6.21	3.16	-0.32	7.91	4.53	5.83	2.44	68.64	24.19
NORTHERN EASTERN SHORE 05														
STEVENSVILLE 2SW	7.86		4.19		6.46		4.83		7.65		6.15		62.30	
SUDLERSVILLE 1S	M		M		M		M		M		M			
--DIVISIONAL DATA----->	7.86	3.81	4.19	0.33	6.46	2.18	4.83	1.46	7.65	4.38	6.15	2.52	62.30	17.57
NORTHERN CENTRAL 06														
ABERDEEN PHILLIPS FLD	6.88	2.47	4.34	0.58	9.61	5.09	2.58	-1.18	8.24	4.82	6.10	2.52	63.43	18.61
CONOWINGO DAM	10.04	5.75	6.12	2.21	13.01	8.06	2.65	-1.47	8.41	4.87	5.07	1.04	M 70.25	22.80
CYLBURN	M		M		M		M		M		M			
DAMASCUS 3 SSW	10.00	5.88	6.00	1.71	10.64	6.13	2.15	-1.57	7.64	3.72	5.85	2.22	65.78	19.42
EMMITSBURG 2 SE	10.09	6.44	6.15	2.75	15.22	10.98	3.17	-0.21	8.40	4.79	5.44	2.11	M 77.16	33.45
MILLERS 4 NE	16.31	12.32	10.04	6.32	9.33	4.86	2.00	-1.75	8.07	4.48	6.20	2.56	79.35	34.71
REISTERSTOWN 2 NW	M		M 7.27		M 10.84		M 1.40		M 6.60		M 6.60			
SMITHSBURG 2NW	M 8.96	5.22	M 9.50	6.36	M 9.65	5.61	2.06	-1.18	M 7.59	3.93	5.06	1.71	M 66.65	24.23
--DIVISIONAL DATA----->	10.66	6.70	6.53	2.69	11.56	7.23	2.44	-1.07	8.15	4.53	5.62	2.12	70.39	24.88
APPALACHIAN MOUNTAIN 07														
HAGERSTOWN 1 E	6.63		8.20		11.98		2.04		7.37		6.12		67.10	
CUMBERLAND 2	5.42	1.86	6.58	3.41	13.49	10.26	3.52	0.95	5.00	2.02	5.19	2.34	67.06	29.70
FROSTBURG 2	4.33	0.33	8.07	4.47	15.17	11.49	3.53	0.49	5.26	1.59	5.44	2.15	74.58	30.17
HAGERSTOWN RGNL AP	5.96	2.55	6.24	3.10	9.31	5.64	1.63	-1.25	5.83	2.61	4.87	1.98	56.03	16.74

TOTAL PRECIPITATION AND DEPARTURE FROM NORMAL (INCHES)

MARYLAND AND DELAWARE
2018

STATION	JAN		FEB		MAR		APR		MAY		JUN	
	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
SHARPSBURG 5 S	M		M		M		3.93	0.31	12.91	8.75	5.37	1.49
WILLIAMSPORT	2.67	-0.33	4.03	2.06	2.55	-1.68	M 4.27	1.07	7.60	3.45	8.13	4.35
--DIVISIONAL DATA----->	2.42	-0.68	4.48	1.86	2.35	-1.07	4.47	1.08	7.89	3.68	6.48	2.96
ALLEGHENY PLATEAU 08												
OAKLAND 1 SE	3.11	-0.43	8.89	5.69	4.02	-0.11	5.92	2.05	7.73	2.59	6.81	2.39
SAVAGE RVR DAM	2.16	-0.59	M 5.83	3.40	2.35	-1.05	4.91	1.58	6.63	2.11	8.08	4.18
SINES DEEP CREEK	MA 2.85		MA 9.85		MA 4.34		MA 6.55		MA 5.87		MA 6.35	
--DIVISIONAL DATA----->	2.64	-0.91	8.89	5.80	3.19	-0.68	5.42	1.58	7.18	2.64	7.45	3.24
DELAWARE												
NORTHERN 01												
WILMINGTON NEW CASTLE CO AP //	2.44	-0.57	6.00	3.32	4.65	0.73	2.59	-0.91	5.68	1.73	2.03	-1.85
WILMINGTON PORTER RSCH	M		M		M		M		M		M	
--DIVISIONAL DATA----->	2.44	-1.26	6.00	3.16	4.65	0.54	2.59	-1.04	5.68	1.26	2.03	-1.87
SOUTHERN 02												
DOVER //	F 2.47	-0.94	6.96	3.89	5.04	0.73	3.68	-0.20	5.79	1.54	5.40	1.40
GEORGETOWN-DELAWARE COASTAL AP //	2.85	-0.07	3.97	1.18	3.05	-1.00	4.16	0.53	6.99	3.44	4.42	-0.19
--DIVISIONAL DATA----->	2.85	-1.14	5.47	2.29	4.05	-0.35	3.92	0.45	6.39	2.27	4.91	1.50

TOTAL PRECIPITATION AND DEPARTURE FROM NORMAL (INCHES)

MARYLAND AND DELAWARE
2018

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	8.24	4.14	5.68	2.45	10.47	6.47	1.71	-1.70	7.57	4.17	5.60	2.45		
WILLIAMSPORT	M 5.76	1.86	M 7.99	5.07	10.32	6.46	M 2.33	-0.73	6.79	3.37	M 5.32	2.22	M 67.76	27.17
--DIVISIONAL DATA----->	6.12	2.48	6.95	3.50	11.79	8.30	2.49	-0.59	6.30	3.03	5.44	2.57	67.18	27.12
ALLEGHENY PLATEAU 08														
OAKLAND 1 SE	2.06	-3.40	6.44	2.66	11.83	8.38	4.48	1.33	4.99	1.16	4.12	0.27	70.40	22.58
SAVAGE RVR DAM	M 0.70	-3.62	M 6.03	2.70	M		M 3.26	0.60	4.53	1.53	M 4.91	2.11		
SINES DEEP CREEK	MA 3.70		MA 6.70		MA 12.20		MA 4.50		5.95		5.07		M 73.93	
--DIVISIONAL DATA----->	2.06	-2.81	6.44	2.53	11.83	8.23	4.48	1.45	5.16	1.60	4.60	1.02	69.34	23.69
DELAWARE														
NORTHERN 01														
WILMINGTON NEW CASTLE CO AP //	6.72	2.15	6.67	3.42	6.22	1.90	2.83	-0.59	8.69	5.59	6.85	3.37	61.37	18.29
WILMINGTON PORTER RSCH	M		M		M		M		M		M			
--DIVISIONAL DATA----->	6.72	2.22	6.67	2.95	6.22	1.90	2.83	-0.53	8.69	5.31	6.85	3.23	61.37	15.87
SOUTHERN 02														
DOVER //	6.06	1.97	5.64	1.28	7.80	3.67	5.03	1.61	7.79	4.31	5.55	1.90	67.21	21.16
GEORGETOWN-DELAWARE COASTAL AP //	4.18	-0.01	3.91	0.38	6.40	2.27	6.08	2.36	5.74	2.38	3.47	0.18	55.22	11.45
--DIVISIONAL DATA----->	5.12	1.20	4.78	-0.11	7.10	2.95	5.56	2.18	6.77	3.48	4.51	0.97	61.43	15.69

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL(°F)

MARYLAND AND DELAWARE
2018

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																										
PRINCESS ANNE	M		M		M		M		M		M		M		M		M		M		M		M		M	
SALISBURY 2N	36.0		47.5		M		54.1		71.4		74.7		78.4		79.3		76.5		62.2		47.5		43.1		61.0	
SALISBURY-WICOMICO RGNL AP	33.8	-1.6	45.6	7.9	41.1	-3.6	52.1	-1.9	69.0	6.4	73.6	1.6	77.0	0.2	78.7	3.8	75.4	7.2	60.4	3.2	46.8	-1.4	42.0	3.0	58.0	2.0
SNOW HILL 4 N	34.0	-3.3	44.1M	4.6	39.8	-6.6	51.5	-4.3	M		76.8	3.2	78.5	1.1	80.2	4.5	78.3	8.5	63.8	4.7	50.9	0.9	45.5	4.8	M 58.5	0.9
--DIVISIONAL DATA----->	34.6	-1.4	45.7	7.9	40.5	-4.8	52.6	-1.5	70.2	7.0	75.0	3.2	78.0	1.3	79.4	4.1	76.7	7.4	62.1	3.8	48.4	-0.4	43.5	3.2	58.9	2.5
CENTRAL EASTERN SHORE 02																										
ROYAL OAK 2 SSW	34.2	-2.1	43.9	5.0	41.8	-4.7	53.3	-3.0	70.9	5.5	74.8	0.3	78.8	0.2	79.5	2.6	75.3	5.1	62.3	2.7	46.6	-3.4	41.9	1.8	58.6	0.7
--DIVISIONAL DATA----->	34.2	-0.6	43.9	7.0	41.8	-3.5	53.3	-1.2	70.9	6.6	74.8	1.9	78.8	1.1	79.5	3.6	75.3	6.1	62.3	4.1	46.6	-1.5	41.9	2.6	58.6	2.2
LOWER SOUTHERN 03																										
MECHANICSVILLE 5 NE	30.9M	-3.1	42.2	5.3	40.0	-4.6	51.5	-3.1	68.6M	6.1	71.5	0.2	74.7	-0.8	76.1	2.4	72.9M	6.4	57.8	2.2	44.2	-2.9	39.8	2.5	M 55.9	0.9
SOLOMONS	MM		MM		MM		MM		MM		MM		MM		MM		MM		MM		MM		MM		M	
--DIVISIONAL DATA----->	30.9	-3.1	42.2	5.3	40.0	-5.2	51.5	-2.7	68.6	5.2	71.5	-0.2	74.7	-1.6	76.1	1.4	72.9	4.8	57.8	0.9	44.2	-3.1	39.8	1.0	55.9	0.3
UPPER SOUTHERN 04																										
ANNAPOLIS US NAVAL ACADEMY ASO	34.0	-1.9	44.5	6.4	42.4M	-2.7	54.5	-0.4	70.3M	6.0	76.1	2.1	81.0M	2.5	81.2M	4.6	78.6M	8.7	64.0M	5.6	47.5	-1.9	M		M 61.3	4.2
BALTIMORE-WASHINGTON INTL AP	32.0	-0.9	41.8	6.0	40.2	-3.4	52.1	-1.6	69.6	6.7	72.6	0.2	77.8	0.8	78.4	3.3	73.0	5.2	59.3	3.2	43.6	-2.9	39.7	3.0	56.7	1.6
BELTSVILLE	31.0	-1.9	40.9	5.2	39.9	-3.8	51.1	-2.6	69.0	5.6	72.9	0.0	77.5	0.2	77.8	2.0	72.9	4.5	59.2	2.8	43.5	-3.3	39.2	2.3	56.2	0.8
DALECARLIA RSVR	31.6M	-2.6	41.7M	3.9	40.1M	-5.4	52.6M	-3.6	MM		MM		MM		78.3	1.5	73.5M	3.8	58.4M	0.6	42.1M	-5.5	40.0M	2.4	M	
MARYLAND SCI CTR	35.3	-0.5	44.7	6.1	43.1	-3.2	55.0	-1.6	72.2	6.1	76.9	0.8	81.5	0.8	81.6	2.6	75.1	3.1	62.4	2.3	46.0	-4.3	43.0	3.6	59.7	1.2
NATL ARBORETUM DC	34.5M	-1.0	44.1M	5.7	42.2M	-4.0	53.3	-3.1	72.8M	6.9	75.0	-0.1	80.1	0.5	80.4	2.4	75.8M	5.5	61.0M	2.5	45.0M	-3.8	41.4	2.2	M 58.8	1.1
OXON HILL	32.6	-2.5	42.3	4.4	41.3	-4.1	52.6	-3.9	70.4	5.4	73.6	-0.8	77.6	-0.7	78.4	1.5	73.8	4.1	60.4	2.5	44.4	-4.0	40.9	2.3	57.4	0.3
--DIVISIONAL DATA----->	33.0	-0.3	42.9	6.6	41.3	-3.2	53.0	-1.1	70.7	7.1	74.5	2.2	79.3	2.2	79.4	4.0	74.7	6.4	60.7	4.3	44.6	-2.1	40.7	3.1	57.9	2.4
NORTHERN EASTERN SHORE 05																										
STEVENSVILLE 2SW	31.4	-2.9	41.4	4.6	41.0	-2.9	52.1F	-2.6	69.7	6.4	74.9F	1.2	80.2	3.3	81.1	4.9	75.4	5.8	61.8	2.5	45.5	-3.7	40.6	1.4	57.9	1.4
--DIVISIONAL DATA----->	31.4	-1.3	41.4	6.1	41.0	-2.8	52.1	-1.2	69.7	6.7	74.9	3.2	80.2	3.6	81.1	6.2	75.4	7.6	61.8	5.3	45.5	-1.0	40.6	3.3	57.9	2.9
NORTHERN CENTRAL 06																										
ABERDEEN PHILLIPS FLD	29.6	-4.0	39.3	3.7	38.8	-4.2	48.8	-5.3	66.9	4.4	71.3	-0.9	76.7	-0.5	77.5	2.2	72.2	4.4	57.6	1.2	42.6	-4.4	37.9	0.6	54.9	-0.4
CONOWINGO DAM	27.6	-4.3	36.3	1.6	36.5	-6.3	47.2	-6.3	66.2	2.4	69.9M	-3.8	75.4	-2.8	77.0	0.5	72.3	3.3	58.3	1.4	44.2	-2.0	40.4	3.8	M 54.3	-1.1
CYLBURN	M		M		M		M		M		M		M		M		M		M		M		M		M	
DAMASCUS 3 SSW	30.8	-0.6	40.3	6.0	37.3	-4.9	50.0	-3.1	67.9	6.2	69.9	-0.5	74.0	-0.3	74.6	1.6	69.3	3.6	57.2	2.4	40.6	-4.6	37.4	2.1	54.1	0.6
EMMITSBURG 2 SE	29.6	-0.6	37.5	5.1	37.6	-3.3	48.0	-3.1	66.4	5.7	69.9	0.1	74.9	0.4	75.7	3.0	70.7	5.6	57.2	3.2	40.7	-3.2	36.8	2.5	53.8	1.2
MILLERS 4 NE	30.0	-0.1	39.9	6.7	36.9	-4.0	48.8	-2.9	67.6	6.8	70.3	0.9	74.7	1.3	74.9	2.9	69.8	4.9	56.9	2.7	40.7	-3.7	37.0	2.8	54.0	1.5
REISTERSTOWN 2 NW	29.9M		37.0M		36.6M		46.4M		MM		70.4M		MM		76.6M		70.8M		55.4M		40.8M		37.3M		M	
SMITHSBURG 2NW	27.2M	-2.8	35.1M	2.5	34.8M	-5.4	46.5	-5.0	66.0	5.7	68.7	-1.8	73.7M	-0.8	73.5M	0.4	68.3M	3.0	55.7M	2.0	38.1M	-5.9	34.7M	1.2	M 51.9	-0.6
--DIVISIONAL DATA----->	29.2	-2.0	37.9	3.9	36.9	-5.8	48.0	-4.3	66.8	4.5	70.1	-0.6	74.9	-0.4	75.7	2.2	70.5	3.9	56.9	1.6	41.1	-3.8	37.4	1.6	53.8	0.1
APPALACHIAN MOUNTAIN 07																										
HAGERSTOWN 1 E	30.1		39.9		37.6		49.8		69.0		71.8		76.2		76.6		71.0		58.1		40.9		37.2		54.9	
CUMBERLAND 2	27.3	-4.6	38.3	3.5	36.8	-6.9	48.3	-6.2	68.8	5.0	70.8	-1.8	75.2	-1.6	75.4	0.0	71.2	3.8	57.2	1.2	40.3	-5.1	35.7	0.1	53.8	-1.1
FROSTBURG 2	22.2	-3.8	34.7	6.1	30.9	-5.2	43.0	-4.5	64.4	7.8	65.4	0.3	69.6	0.6	70.0	2.2	66.1	5.1	52.1	2.1	35.9	-4.6	31.8	1.9	48.8	0.5
HAGERSTOWN RGNL AP	31.2	0.4	41.1	7.5	38.4	-3.1	50.3	-2.5	69.7	7.7	72.6	1.2	77.3	2.0	77.7	4.4	72.3	6.6	59.4	4.6	42.2	-2.7	38.8	4.8	55.9	2.5

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL(°F)

MARYLAND AND DELAWARE
2018

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	M		M		35.3	-5.9	47.5	-3.8	66.8	5.7	69.6	-0.6	74.0	-0.1	74.6	1.8	70.3	4.7	56.3	1.7	40.0	-4.5	35.5	1.9	M	
--DIVISIONAL DATA----->	27.7	-1.3	38.5	6.4	35.8	-4.9	47.8	-2.9	67.7	7.4	70.0	1.5	74.5	1.7	74.9	3.7	70.2	6.1	56.6	3.9	39.9	-2.8	35.8	2.3	53.3	1.8
ALLEGHENY PLATEAU 08																										
OAKLAND 1 SE	22.5	-2.6	37.9	10.1	32.2	-4.0	44.1	-2.5	65.1	9.0	67.3	2.9	70.2	1.8	71.2	4.3	67.5	7.5	53.1	3.7	37.1	-2.2	33.3	3.5	50.1	2.5
SAVAGE RVR DAM	23.5	-3.8	35.7M	5.8	33.4	-4.4	MM		63.2	5.5	64.5	-1.7	69.1M	-1.1	70.2M	1.1	MM		53.3M	2.5	37.5	-3.7	33.2M	1.9	M	
SINES DEEP CREEK	MM		MM		MM		MM		MM		MM		MM		MM		MM		MM		MM		MM		M	
--DIVISIONAL DATA----->	23.0	-2.8	36.8	8.3	32.8	-4.2	44.1	-2.9	64.2	7.7	65.9	1.5	69.7	1.1	70.7	3.6	67.5	7.0	53.2	4.0	37.3	-2.3	33.3	2.9	49.9	2.0
DELAWARE																										
NORTHERN 01																										
WILMINGTON NEW CASTLE CO AP	31.3	-1.1	40.8	5.7	39.3	-3.7	50.3	-3.0	67.4	4.6	72.3	0.1	77.7	0.9	78.2	3.0	72.3	4.5	58.5	2.3	43.1	-3.5	39.4	2.7	55.9	1.0
WILMINGTON PORTER RSCH	M		M		M		M		M		M		M		M		M		M		M		M		M	
--DIVISIONAL DATA----->	31.3	-0.4	40.8	6.5	39.3	-3.4	50.3	-2.1	67.4	4.8	72.3	0.9	77.7	1.5	78.2	3.7	72.3	4.9	58.5	2.7	43.1	-2.7	39.4	2.8	55.9	1.6
SOUTHERN 02																										
DOVER	33.8	-1.4	44.4	6.4	40.5	-4.7	53.0	-2.0	69.3	5.1	72.9	-0.4	78.4	0.7	79.2	3.1	73.9	4.2	61.1	2.4	46.1	-3.1	41.7	2.5	57.9	1.0
GEORGETOWN-DELAWARE COASTAL AP	34.3	-0.7	45.7	8.2	41.9	-2.8	53.1	-0.9	69.2	6.1	73.2	0.7	77.2	0.3	79.6	4.0	75.1	6.6	62.0	4.2	48.3	-0.2	44.3	5.1	58.7	2.5
--DIVISIONAL DATA----->	34.1	-0.5	45.1	8.7	41.2	-3.2	53.1	-0.1	69.3	6.4	73.1	1.4	77.8	1.3	79.4	4.6	74.5	6.2	61.6	4.3	47.2	-0.5	43.0	4.0	58.3	2.7

TEMPERATURE EXTREMES AND FREEZE DATA (°F)

MARYLAND AND DELAWARE
2018

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																													
PRINCESS ANNE					MSG		MSG		MSG		MSG		MSG		NONE		NONE		NONE		NONE		NONE						
SALISBURY 2N	97	07/02	0	01/07	02/03	15	02/03	15	02/09	23	04/10	26	04/21	31	10/22	32	11/11	28	11/23	22	NONE		NONE				287	215	184
SALISBURY FAA AP	91	05/12	3	01/07	02/03	15	02/03	15	03/17	22	04/11	28	04/21	31	NONE		NONE		NONE		NONE		NONE						
SNOW HILL 4 N	97	06/19	0	01/03	02/03	7	03/27	20	04/11	22	04/21	25	04/30	32	11/11	30	11/23	26	NONE		NONE		NONE				216	195	
CENTRAL EASTERN SHORE 02																													
ROYAL OAK 2 SSW	98	07/02	3	01/07	02/03	16	02/03	16	03/18	23	03/27	28	04/21	32	11/12	30	11/23	21	11/23	21	NONE		NONE				250	241	205
LOWER SOUTHERN 03																													
MECHANICSVILLE 5 NE	92	07/04	-4	01/06	02/04	16	02/04	16	03/28	24	03/28	24	04/19	32	11/11	27	11/11	27	12/08	22	12/11	20	NONE			310	255	228	206
SOLOMONS	94	09/07	13	01/02	01/03	14	01/18	19	02/01	22	02/09	27	03/27	32	11/29	29	NONE		NONE		NONE		NONE						247
UPPER SOUTHERN 04																													
BALTIMORE-WASHINGTON INTL AP	99	07/03	1	01/07	02/03	12	02/09	20	03/17	24	03/27	28	04/21	32	10/22	32	11/11	26	11/23	24	12/08	19	NONE			302	251	229	184
BELTSVILLE	99	07/03	4	01/07	02/04	14	02/04	14	03/17	22	03/26	27	04/21	32	10/25	32	11/11	26	12/08	20	12/08	20	NONE			307	266	230	187
DALECARLIA RSVR	96	08/30	4	01/08	02/04	13	02/04	13	03/10	24	03/26	28	03/28	31	10/25	32	11/11	27	12/08	22	NONE		NONE				273	230	211
MARYLAND SCI CTR	100	07/03	9	01/07	01/07	9	02/03	18	02/03	18	02/08	26	03/20	32	11/11	31	11/22	27	NONE		NONE		NONE					287	236
NATL ARBORETUM DC	98	07/04	8	01/07	01/15	15	02/04	20	02/10	24	03/17	28	04/08	31	11/11	28	11/11	28	12/08	22	NONE		NONE				301	239	217
OXON HILL	96	07/03	7	01/08	02/04	13	02/04	13	02/09	24	03/18	27	04/09	32	11/11	29	11/23	25	12/08	23	NONE		NONE				302	250	216
NORTHERN EASTERN SHORE 05																													
STEVENSVILLE 2SW	99	07/03	8	01/07	01/08	9	02/04	20	02/09	23	02/10	26	03/28	31	11/12	32	11/23	22	11/23	22	NONE		NONE				287	286	229
NORTHERN CENTRAL 06																													
ABERDEEN PHILLIPS FLD	97	07/04	3	01/08	02/04	14	02/09	20	02/10	21	03/27	26	04/21	32	10/22	32	11/11	27	11/22	24	11/23	19	NONE			287	285	229	184
CONOWINGO DAM	96	08/30	2	01/08	02/04	13	03/19	20	03/19	20	04/18	28	04/22	32	11/11	29	11/22	28	11/23	23	NONE		NONE				249	218	203
CYLBURN					MSG		MSG		MSG		MSG		MSG		NONE		NONE		NONE		NONE		NONE						
DAMASCUS 3 SSW	94	07/02	-1	01/07	02/03	10	02/09	20	03/25	24	04/08	27	04/21	31	10/22	31	11/11	25	11/22	22	12/08	20	NONE			302	242	217	184
EMMITSBURG 2 SE	98	09/04	2	01/08	02/04	15	02/10	19	03/27	24	04/09	28	04/22	30	10/20	32	11/11	26	11/22	24	12/08	19	NONE			301	240	216	181
MILLERS 4 NE	95	07/03	-3	01/07	02/03	8	02/09	17	03/26	24	04/18	28	04/21	29	10/22	31	11/11	24	11/11	24	11/22	20	NONE			286	230	207	184
REISTERSTOWN 2 NW	94	07/17	0	01/08	02/03	12	02/10	20	03/06	24	04/11	28	04/21	32	10/22	32	11/11	25	11/22	22	11/23	18	NONE			286	261	214	184
SMITHSBURG 2NW	94	07/04	-2	01/08	02/09	15	04/09	20	04/09	20	04/30	28	04/30	28	10/19	32	10/25	28	11/11	21	11/23	19	12/10	14	304	228	216	178	172
APPALACHIAN MOUNTAIN 07																													
HAGERSTOWN 1 E	96	07/03	1	01/07	02/03	12	03/18	20	03/26	24	04/08	25	04/30	32	10/22	32	11/11	24	11/11	24	12/08	18	12/10	14	310	265	230	217	175
CUMBERLAND 2	96	08/30	-1	01/08	02/04	14	02/04	14	04/09	24	04/09	24	04/22	32	10/19	32	11/11	22	11/11	22	12/08	20	12/10	16	309	307	216	216	180
FROSTBURG 2	89	09/06	-8	01/07	03/10	13	04/09	19	04/10	23	04/22	27	04/30	32	10/20	31	10/25	27	11/11	19	11/11	19	12/08	15	273	216	215	186	173
SHARPSBURG 5 S	95	07/03	15	12/12	MSG		03/25	19	04/09	21	04/30	28	05/01	29	10/19	31	10/22	27	11/11	19	11/11	19	12/08	16		231	216	175	171
ALLEGHENY PLATEAU 08																													
OAKLAND 1 SE	90	07/03	-17	01/05	03/25	16	04/08	19	04/21	23	04/21	23	05/01	32	10/18	32	10/19	28	10/26	24	11/11	13	11/11	13	231	217	188	181	170
SAVAGE RIVER DAM	89	06/19	-5	01/08	03/11	15	03/12	19	04/09	22	04/10	26	05/01	31	NONE		NONE		NONE		NONE		NONE						
SINES DEEP CREEK	88	06/18	-11	01/08	04/11	11	04/19	20	04/19	20	05/01	26	05/02	29	10/18	32	10/19	28	11/16	24	11/24	20	12/10	7	243	219	211	171	169
DELAWARE																													

TEMPERATURE EXTREMES AND FREEZE DATA (°F)

MARYLAND AND DELAWARE
2018

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 WILMINGTON NEW CASTLE CO AP WILMINGTON PORTER RSCH	97 58	06/30 01/22	2 23	01/07 01/20	02/03 MSG	14	02/09 MSG	19	03/11 01/20	23 23	03/27 01/20	28 23	04/21 01/20	32 23	11/10 NONE	30	11/11 NONE	27	11/22 NONE	20	11/22 NONE	20	11/23 NONE	16	293	286	256	229	203
SOUTHERN 02 DOVER	76	02/21	0	01/07	02/03	13	02/09	20	02/09	20	02/09	20	02/27	30	NONE		NONE		NONE		NONE		NONE						

MONTHLY AND SEASONAL COOLING DEGREE DAYS

BASE = 65 DEGREES FAHENHEIT

MARYLAND AND DELAWARE
2018

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	SEASONAL NORM
MARYLAND														
SOUTHERN EASTERN SHORE 01														
PRINCESS ANNE	-	-	-	-	-	-	-	-	-	-	-	-	-	
SALISBURY 2N	0	4	-	11	219	298	423	453	352	123	4	0	-	
SALISBURY-WICOMICO RGNL AP	0	4	0	10	154	269	379	432	318	105	6	0	1677	1155
SNOW HILL 4 N	0	0	0	5	-	362	428	479	405	135	14	0	-	
CENTRAL EASTERN SHORE 02														
ROYAL OAK 2 SSW	0	2	0	10	204	302	435	456	315	119	3	0	1846	1392
LOWER SOUTHERN 03														
MECHANICSVILLE 5 NE	0	3	0	17	154E	212	311	355	253E	75	0	0	1380E	1093
SOLOMONS	0	0	0	0	106E	424E	477E	558E	397E	99E	5E	0	2066E	
UPPER SOUTHERN 04														
ANNAPOLIS US NAVAL ACADEMY ASO	0	1	0	9	171E	339	501E	507E	416E	141E	5		-	
BALTIMORE-WASHINGTON INTL AP	0	1	0	21	167	242	407	425	256	96	0	0	1615	1147
BELTSVILLE	0	2	0	12	160	259	394	402	255	94	0	0	1578	1109
DALECARLIA RSVR	0	1E	0	5E	129E	201E	360E	423	271E	91E	0	0	1481E	1258
MARYLAND SCI CTR	0	2	0	24	243	365	520	521	313	124	2	0	2114	
NATL ARBORETUM DC	0	6E	0	16	258E	311	478	484	335E	118E	1E	0	2007E	1243
OXON HILL	0	2	0	18	189	270	397	424	281	101	0	0	1682	
NORTHERN EASTERN SHORE 05														
STEVENSVILLE 2SW	0	0	0	10	175	304	479	505	323	111	0	0	1907	
NORTHERN CENTRAL 06														
ABERDEEN PHILLIPS FLD	0	1	0	5	112	213	374	395	235	70	0	0	1405	1153
CONOWINGO DAM	0	0	0	0	92	176E	328	379	232	63	0	0	1270E	1068
CYLBURN	-	-	-	-	-	-	-	-	-	-	-	-	-	
DAMASCUS 3 SSW	0	3	0	14	132	173	288	307	168	75	0	0	1160	
EMMITSBURG 2 SE	0	0	0	7	99	176	313	341	212	76	0	0	1224	918
MILLERS 4 NE	0	1	0	12	125	186	309	315	181	69	0	0	1198	790
REISTERSTOWN 2 NW	0	0	0	11E	176E	193E	322E	370E	213E	70E	0	0	1355E	
SMITHSBURG 2NW	0	0	0	10	107	143	275E	270E	163E	66E	0	0	1034E	
APPALACHIAN MOUNTAIN 07														
HAGERSTOWN 1 E	0	4	0	16	164	222	354	368	216	89	0	0	1433	
CUMBERLAND 2	0	0	0	12	170	198	323	330	221	88	1	0	1343	877
FROSTBURG 2	0	0	0	9	76	81	158	169	119	43	0	0	655	344
HAGERSTOWN RGNL AP	0	5	0	15	180	243	390	398	244	98	1	0	1574	
SHARPSBURG 5 S	-	-	0	5	121	166	287	305	199	77	0	0	-	
ALLEGHENY PLATEAU 08														
OAKLAND 1 SE	0	0	0	2	96	118	177	211	130	47	2	0	783	316
SAVAGE RVR DAM	0	0	0	0	46	62	162E	173E	123E	41E	0	0	607E	414
SINES DEEP CREEK	0	0	0	0	36E	52E	107E	144E	38E	13E	0	0	390E	
DELAWARE														
NORTHERN 01														
WILMINGTON NEW CASTLE CO AP	0	0	0	8	117	233	402	418	236	82	0	0	1496	1125
WILMINGTON PORTER RSCH	-	-	-	-	-	-	-	-	-	-	-	-	-	
SOUTHERN 02														

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SOILS REFERENCE NOTES

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

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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	-	-	-	2075	1294	1306	1425	1042	1068	1285	-	-	-
	EVAP	-	-	-	4.37	5.42	5.56E	7.49E	5.99	3.76E	3.30	-	-	-
	MAX TEMP	-	-	-	71.7	95.9	85.4	90.1	91.8	84.3	71.5	67.0	-	-
	MIN TEMP	-	-	-	55.2	73.9	63.7	67.5	69.8	66.8	50.9	43.0	-	-
ALLEGHENY PLATEAU 08 SAVAGE RVR 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	92	92	0			CH
ANNAPOLIS US NAVAL ACADEMY ASDC	0186	04	ANNE ARUNDEL	38 59	76 29W	6	31	31	0			H
BALTIMORE WASHINGTON INTL CLIM	0467	04	ANNE ARUNDEL	39 11	76 39W	101	0	6	0		JAN	H
BALTIMORE-WASHINGTON INTL AP R R	0465	04	ANNE ARUNDEL	39 10	76 41W	156	80	80	0			HJ
BELTSVILLE	0700	04	PRINCE GEORGE'S	39 2	76 56W	145	78	78	77			GCH
CONOWINGO DAM	2060	06	HARFORD	39 39	76 11W	40	83	83	0			H
CUMBERLAND 2	2282	07	ALLEGANY	39 39	78 45W	730	45	45	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	71	71	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	47	47	0			H
HAGERSTOWN 1 E	1790	07	WASHINGTON	39 38	77 42W	532	77	77	0			H
HAGERSTOWN RGNL AP R R	3976	07	WASHINGTON	39 42	77 44W	705	21	21	0			H
MARYLAND SCI CTR R R	5718	04	BALTIMORE (CITY)	39 17	76 37W	20	21	20	0			H
MECHANICSVILLE 5 NE	5865	03	ST. MARY'S	38 30	76 44W	100	45	54	0			H
MILLERS 4 NE	5934	06	CARROLL	39 43	76 48W	860	31	31	0			CH
NATL ARBORETUM DC	6350	04	DISTRICT OF COLUMBIA	38 55	76 58W	50	71	71	0			H
OAKLAND 1 SE	6620	08	GARRETT	39 25	79 24W	2420	120	120	0			H
OXON HILL	6800	04	PRINCE GEORGE'S	38 48	76 60W	190	17	17	0			H
PRINCESS ANNE	7330	01	SOMERSET	38 13	75 41W	20	122	123	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	71	71	0			H
SALISBURY 2N	8004	01	WICOMICO	38 24	75 36W	20	7	7	0			H
SALISBURY-WICOMICO RGNL AP //	8005	01	WICOMICO	38 20	75 31W	47	71	71	0			H
SAVAGE RVR DAM	8065	08	GARRETT	39 31	79 8W	1495	68	74	43			CH
SHARPSBURG 5 S	8207	07	WASHINGTON	39 24	77 43W	500	21	21	0			H
SINES DEEP CREEK	8315	08	GARRETT	39 31	79 25W	2040	44	44	0			H
SMITHSBURG 2NW	8371	06	WASHINGTON	39 40	77 35W	670	17	17	0			H
SNOW HILL 4 N	8380	01	WORCESTER	38 14	75 23W	30	103	103	0			H
SOLOMONS	8405	03	CALVERT	38 19	76 27W	12	108	108	0			H
STEVENSVILLE 2SW	8557	05	QUEEN ANNE'S	38 58	76 20W	10	34	34	0			H
SUDLERSVILLE 1S	8657	05	QUEEN ANNE'S	39 10	75 51W	100	0	4	0			H
WILLIAMSPORT	9570	07	WASHINGTON	39 37	77 51W	360	16	52	0			CH
DELAWARE												
DOVER //	2730	02	KENT	39 9	75 30W	30	116	116	0			H
GEORGETOWN-DELAWARE COASTAL AP R R	9561	02	SUSSEX	38 41	75 22W	46	22	22	0	SEP		H
WILMINGTON NEW CASTLE CO AP //R	9595	01	NEW CASTLE	39 40	75 36W	79	71	71	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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