CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

JANUARY 2017

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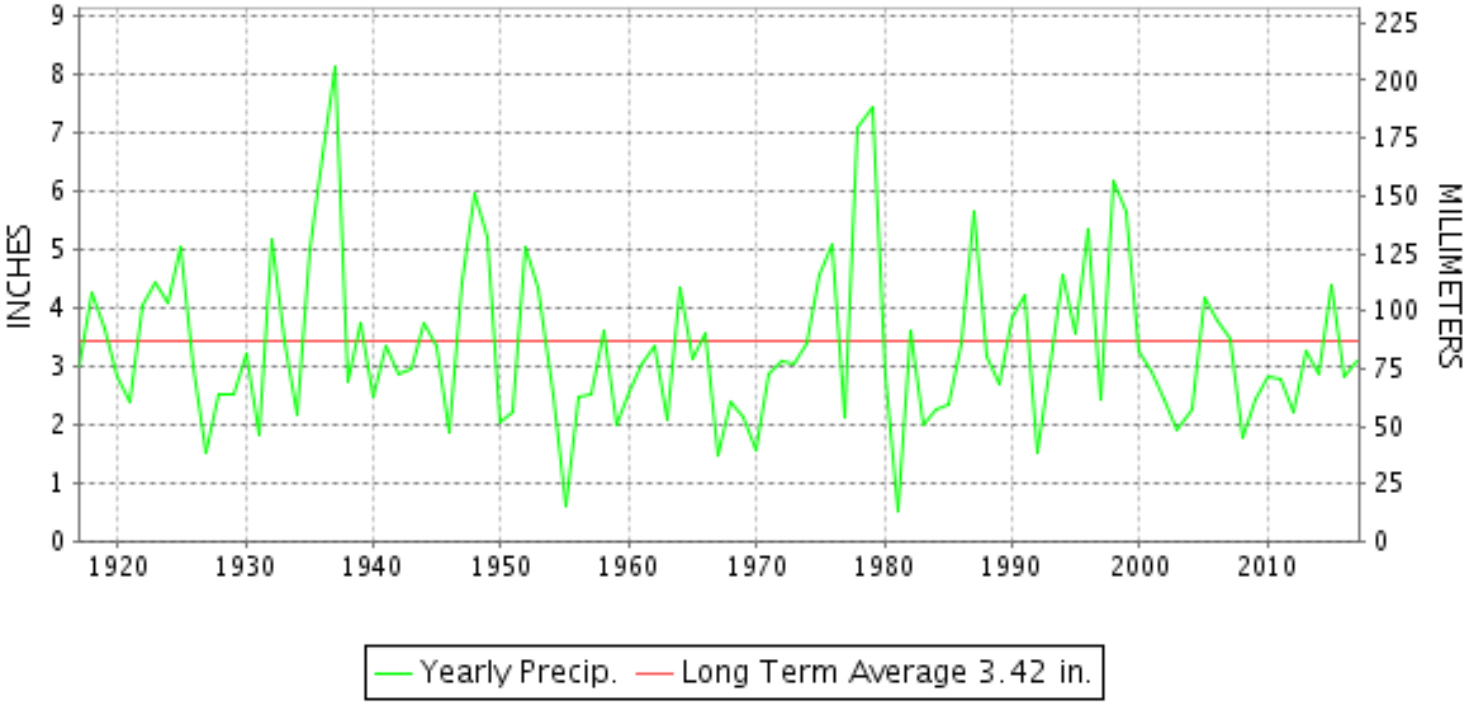
JANUARY PRECIPITATION BY YEAR



TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND			
HIGHEST TEMPERATURE	71	JANUARY 13+	4 STATIONS
LOWEST TEMPERATURE	-4	JANUARY 09	SINES DEEP CREEK
GREATEST TOTAL PRECIPITATION	6.56		OAKLAND 1 SE
LEAST TOTAL PRECIPITATION	2.31		ABERDEEN PHILLIPS FLD
GREATEST 1 DAY PRECIPITATION	1.78	JANUARY 03	PRINCESS ANNE
GREATEST TOTAL SNOWFALL	29.4		OAKLAND 1 SE
GREATEST DEPTH OF SNOW OR ICE	11		OAKLAND 1 SE

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DELAWARE

HIGHEST TEMPERATURE	68	JANUARY 12	WILMINGTON NEW CASTLE CO AP
LOWEST TEMPERATURE	6	JANUARY 09	DOVER
GREATEST TOTAL PRECIPITATION	2.98		DOVER
LEAST TOTAL PRECIPITATION	2.67		WILMINGTON NEW CASTLE CO AP
GREATEST 1 DAY PRECIPITATION	0.58	JANUARY 23	WILMINGTON PORTER RSCH
GREATEST TOTAL SNOWFALL	5.6		DOVER
GREATEST DEPTH OF SNOW OR ICE	4		DOVER

MARYLAND AND DELAWARE
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MONTHLY STATION AND DIVISION SUMMARY

STATION	TEMPERATURE (°F)														PRECIPITATION (IN)									
											NO. OF DAYS								ICE PELLETS, SNOW			NO. OF DAYS		
											MAX		MIN											
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEG. DAYS	COOLING DEG. DAYS	>=90	<=32	<=32	<=0	TOTAL	DEPARTURE FROM NORMAL	GREATEST 24 HOURS	DATE	TOTAL	MAX DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
MARYLAND																								
SOUTHERN																								
EASTERN SHORE 01																								
ASSATEAGUE	M	M	M								0	0	0	0	M				M					
PRINCESS ANNE	52.0M	32.9M	42.4M	6.2	67	12	0	09	693E	0	0	1	10	1	M 4.02	0.44	1.78	03	M			6	2	2
SALISBURY 2N	49.5	32.7F	41.1F		67	12	4	09	741	0	0	1	14	0	4.50		0.80	23	M	10	07	9	5	0
SALISBURY FAA AP	47.8	32.6	40.2	4.8	67	12	0	09	762	0	0	3	14	1	3.35	-0.26	0.91	23	M 9.6	1	30	8	3	0
SNOW HILL 4 N	50.7	30.5	40.6	3.3	67	12	0	09	748	0	0	2	16	1	3.60	0.03	1.23	23	M			10	2	1
--DIVISIONAL DATA------->			41.1	5.1B											3.82	-0.18B								
CENTRAL																								
EASTERN SHORE 02																								
ROYAL OAK 2 SSW	47.0	35.1	41.0	4.7	67	12	11	09	735	0	0	3	9	0	2.93	-0.67	0.80	03	9.1	7	07	10	1	0
--DIVISIONAL DATA------->			41.0	6.2B											2.93	-1.05B								
LOWER SOUTHERN 03																								
MECHANICSVILLE 5 NE	46.3	30.1	38.2	4.2	71	13	5	09	824	0	0	3	16	0	3.13	-0.10	0.83	03	5.0	3	08	8	2	0
SOLOMONS	MMF	M	M		70	12	15	08	672E	0	0	1	8	0	A 2.48		0.97	02	M 0.1	2	08	2	1	0
--DIVISIONAL DATA------->			38.2	4.2B											2.81	-0.91B								
UPPER SOUTHERN 04																								
BALTIMORE-WASHINGTON INTL AP	46.1	32.0	39.0	6.1	70	12	10	09	798	0	0	3	14	0	2.69	-0.36	0.81	03	0.7	T	08	6	2	0
BALTIMORE WASHINGTON INTL CLIM															M				M	1	07			
BELTSVILLE	45.3	32.3	38.8	5.9	70	13	11	09	803	0	0	4	14	0	2.54	-0.32	0.73	04	1.3	1	30	6	2	0
DALECARLIA RSVR	45.7	32.9	39.3	5.1	71	13	12	10+	789	0	0	4	10	0	3.24	0.22	0.73	24	0.6	0		9	2	0
MARYLAND SCI CTR	47.0	35.8	41.4	5.6	71	12	16	08	724	0	0	3	8	0	2.59	-0.33	0.91	03	M			5	1	0
NATL ARBORETUM DC	48.0	34.4	41.2	5.7	71	13	15	09+	729	0	0	3	11	0	3.01	-0.08	0.85	24	M 0.5	M 1	30	7	2	0
OXON HILL	46.7	33.7	40.2	5.1	70	13	13	08	760	0	0	3	12	0	3.02	0.00	0.71	04	2.6	1	30	8	2	0
--DIVISIONAL DATA------->			40.0	6.7B											2.85	-0.70B								
NORTHERN																								
EASTERN SHORE 05																								
STEVENSVILLE 2SW	44.3	33.4	38.8	4.5	68	13	15	08	803	0	0	4	12	0	2.44		0.86	03	2.2	2	08	6	1	0
SUDLERSVILLE 1S															3.09		0.60	23	6.0	5	07	10	3	0
--DIVISIONAL DATA------->			38.8	6.1B											2.77	-0.88B								
NORTHERN CENTRAL 06																								
ABERDEEN PHILLIPS FLD	43.3	31.3	37.3	3.7	65	13	12	10+	854	0	0	4	15	0	A 2.31	-0.85	0.50	24	0.6	M T	31	6	1	0
BRIGHTON DAM	46.1M	30.1M	38.1M		68	14+	9	09	827E	0	0	4	15	0	M 2.94		0.65	24	1.0	1	08	9	2	0
CONOWINGO DAM	40.4	27.5	34.0	2.1	60	13	9	09	957	0	0	6	21	0	M 2.64	-0.80	0.90	23	M 0.5	0		7	2	0
CYLBURN	M	M	M								0	0	0	0	MA 3.34		0.71	04	0.5	0		5	1	0
DAMASCUS 3 SSW	42.9	31.3	37.1	5.7	66	12	8	09	858	0	0	5	14	0	2.87	-0.50	0.94	03	1.6	T	29	6	2	0
EMMITSBURG 2 SE	43.0	29.3	36.1	5.9	64	13	8	09	885	0	0	4	18	0	3.21	0.03	1.01	24	2.0	0		8	2	1

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MONTHLY STATION AND DIVISION SUMMARY

STATION	TEMPERATURE (°F)														PRECIPITATION (IN)									
											NO. OF DAYS								ICE PELLETS, SNOW			NO. OF DAYS		
											MAX		MIN											
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEG. DAYS	COOLING DEG. DAYS	>=90	<=32	<=32	<=0	TOTAL	DEPARTURE FROM NORMAL	GREATEST 24 HOURS	DATE	TOTAL	MAX DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
MILLERS 4 NE	41.8	29.2	35.5	5.4	65	12	5	09	905	0	0	5	17	0	3.08	-0.13	0.80	23	4.2	2	07	9	2	0
REISTERSTOWN 2 NW	43.3F	27.6M	35.4MF		66	13	8	10+	918E	0	0	5	22	0	2.94		0.82	24	M			10	2	0
SMITHSBURG 2NW	42.0M	29.1M	35.5M	5.5	66	13	8	10+	903E	0	0	5	18	0	M 3.61	0.95	1.10	24	M			8	2	1
--DIVISIONAL DATA------->			36.1	4.9B											2.88	-0.72B								
APPALACHIAN																								
MOUNTAIN 07																								
CUMBERLAND 2	43.4	30.4	36.9	5.0	70	13	11	08	862	0	0	5	12	0	3.73	1.07	1.15	24	3.2	2	11	8	1	1
FROSTBURG 2	38.0	24.8	31.4	5.4	63	13	2	09	1033	0	0	9	22	0	5.61	2.29	1.47	24	15.4	5	24	11	4	1
SHARPSBURG 5 S	43.9	29.0	36.5	5.7	69	13	5	09	876	0	0	4	17	0	3.95	1.07	1.38	24	2.2	2	06	9	2	1
WILLIAMSPORT															M				M					
--DIVISIONAL DATA------->			34.9	5.9B											4.43	1.33B								
ALLEGHENY PLATEAU 08																								
OAKLAND 1 SE	41.7	25.4	33.6	8.5	67	13	3	09+	966	0	0	7	18	0	6.56	3.02	0.80	06	29.4	11	31	22	3	0
SAVAGE RIVER DAM	40.0	27.7	33.9	6.6	65	13	5	09	957	0	0	7	17	0	4.16	1.41	0.87	24	2.5	2	31	9	3	0
SINES DEEP CREEK	M	M	M		62	13	-4	09	1020E	0	0	6	16	1	MA 6.28		0.75	24	M	8	31	13	3	0
--DIVISIONAL DATA------->			33.8	8.0B											5.36	1.81B								
DELAWARE																								
NORTHERN 01																								
WILMINGTON NEW CASTLE CO AP	44.5	30.6	37.6	5.2	68	12	10	10+	841	0	0	3	16	0	2.67	-0.34	0.46	02	4.5	3	08	8	0	0
WILMINGTON PORTER RSCH	41.5	29.4	35.4	3.6	63	13+	9	09	910	0	0	6	18	0	2.85	-0.86	0.58	23	4.1	3	07	8	2	0
--DIVISIONAL DATA------->			36.5	4.8B											2.76	-0.94B								
SOUTHERN 02																								
DOVER	46.5	33.0	39.7	4.5	67	12	6	09	776	0	0	3	13	0	MA 2.98	-0.43	0.57	02	5.6	4	08	6	2	0
--DIVISIONAL DATA------->			39.7	5.1B											M	B								

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DAILY PRECIPITATION (INCHES)

STATION	TOTAL	DAY OF MONTH																													
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MARYLAND																																
SOUTHERN																																
EASTERN SHORE 01																																
ASSATEAGUE	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRINCESS ANNE	M 4.02	-		1.78				-	-		0.38				-	-			0.37	0.30		-	-	1.00					-	-	0.19	
SALISBURY 2N	4.50		0.67	0.68	0.02		0.01	0.70				0.19	0.01		0.14	0.21		0.03	0.03		0.60		0.07	0.80	0.07						0.27	
SALISBURY FAA AP	3.35		0.67	0.28			0.01	0.60				0.18			0.29	T		0.03	T		0.06	T	0.14	0.91	0.01		T			T	0.17	
SNOW HILL 4 N	3.60		0.40	0.50		T	0.01	0.26	T			0.18			0.07	0.27		0.02	T		0.01	0.10	0.27	1.23	0.10	T	0.05	T			0.13	T
CENTRAL																																
EASTERN SHORE 02																																
ROYAL OAK 2 SSW	2.93		0.24	0.80	0.02		0.03	0.40				0.13	0.03		0.12	0.19		0.11	0.02		0.07	0.03	0.15	0.38	0.05		0.02				0.14	
LOWER SOUTHERN 03																																
MECHANICSVILLE 5 NE	3.13		0.16	0.83	0.12		T	0.03	0.16			0.08	0.01		0.09	0.18			0.07			0.02	0.04	0.25	0.82			T			0.27	T
SOLOMONS	A 2.48	0.23[a]	0.97	T		T	*	*	0.07[a]		0.10	T		*	*	*	0.38[a]	0.03	*	0.00[a]	*	*	0.61[a]	0.07			T	*	*	0.02[a]		
UPPER SOUTHERN 04																																
BALTIMORE-WASHINGTON INTL AP	2.69		0.43	0.81	0.01	T	0.01	0.03			0.04	0.21	0.03	T	0.26		T	0.16	T		0.02	T	0.07	0.60	0.01		T			T	T	T
BALTIMORE WASHINGTON INTL CLIM	M	-	-	-	0.10	-	0.02	0.03	-	-	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T	-
BELTSVILLE	2.54		0.09	0.39	0.73		0.01		0.02			0.04	0.05			0.26		0.02	0.18			0.02		0.13	0.58						0.02	T
DALECARLIA RSVR	3.24		0.20	0.42	0.69	0.02	0.02		0.10				0.10			0.31		0.05	0.31			0.04	0.01	0.19	0.73						0.05	
MARYLAND SCI CTR	2.59		0.38	0.91	0.01		0.02	0.02			0.04	0.23	0.06		0.22			0.08			0.03		0.08	0.49							0.02	
NATL ARBORETUM DC	3.01		0.03	0.30	0.69		T		0.25			0.02	0.04		0.01	0.29		0.06	0.22			T	0.02	0.19	0.85		T				0.04	T
OXON HILL	3.02	T	0.12	0.27	0.71	0.01	T	T	0.04			0.04	0.03	0.01	0.06	0.31		0.11	0.16	T		0.03	0.01	0.33	0.70		T	0.01			0.07	T
NORTHERN																																
EASTERN SHORE 05																																
STEVENSVILLE 2SW	2.44			0.86	0.35		0.02		0.04			0.13	0.03			0.32		0.05	0.19			0.05	0.02	0.08	0.27	0.01		T			0.02	T
SUDLERSVILLE 1S	3.09		0.53	0.55		T		0.25				0.20	0.23		0.23	T		0.15				0.10	0.25	0.60	T					T	
NORTHERN CENTRAL 06																																
ABERDEEN PHILLIPS FLD	A 2.31		*	0.42[a]	0.48		0.03		0.01			0.16	0.20	T		0.17		0.02	0.15	T		*	*	0.17[a]	0.50	T	T	T			T	T
BRIGHTON DAM	M 2.94		0.30	0.45	0.60				0.05			0.10	0.20			0.30		-	-				0.10	0.15	0.65							0.04
CONOWINGO DAM	M 2.64	0.15	0.06	0.08	0.14		0.05		0.02	-	-	0.21	0.16			0.02		0.03	0.30					0.90	0.52							
CYLBURN	MA 3.34		*	0.54[a]	0.71		0.03	0.18	0.24			0.39		T		-			0.39			0.06		*	0.78[a]	0.02						T
DAMASCUS 3 SSW	2.87		0.28	0.94	0.03	0.01	0.03	0.02			T	0.21			0.30			0.16			0.06		0.05	0.70	0.06			T	T	T	0.02	T
EMMITSBURG 2 SE	3.21		0.24	0.18	0.67		0.15					0.03	0.40			0.04		0.01	0.18			0.09	0.01	0.20	1.01							T
MILLERS 4 NE	3.08		0.33	0.70	0.05		0.16	0.02			T	0.14	0.18	0.01	0.06	0.04		0.15	0.17		0.11	0.02	0.01	0.80	0.08		T	T	T	T	0.05	T
REISTERSTOWN 2 NW	2.94		0.35	0.18	0.65		0.11	0.01	0.01			0.16	0.02	0.03		0.10	0.01		0.22			0.12	0.01	0.12	0.82			0.01				0.01
SMITHSBURG 2NW	M 3.61		0.40	0.10	0.65		0.09			-			0.41			0.25		0.03	0.20			0.08		0.30	1.10							
APPALACHIAN																																
MOUNTAIN 07																																
CUMBERLAND 2	3.73		0.37	0.30	0.47		0.01				0.04	0.06	0.45		0.01	0.12		0.04	0.26			0.08		0.28	1.15	0.02		T	T	T	0.02	0.05
FROSTBURG 2	5.61		0.43	0.30	0.51		0.08	T	T		0.11	T	0.67	0.04	0.02	0.17		0.03	0.42	0.01	T	0.10	T	0.90	1.47	0.04	0.04	0.03	0.06	T	0.06	0.12
SHARPSBURG 5 S	3.95		0.21	0.21	0.84		0.16		T			0.04	0.25	0.06		0.21		T	0.24			0.05	0.01	0.29	1.38			T	T	T		T
WILLIAMSPORT	M		0.38	0.17	0.68	-	-	-	-	-		0.12	-	-		0.21		0.03	0.19		-	-	-	-	-	-		-	-	-	-	

MARYLAND AND DELAWARE
201701

DAILY PRECIPITATION (INCHES)

STATION	TOTAL	DAY OF MONTH																													
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
ALLEGHENY PLATEAU 08																															
OAKLAND 1 SE	6.56	0.15	0.35	0.24	0.47		0.80	0.30	0.10	0.15	0.07	0.14	0.54	0.32		0.49		0.10	0.31	0.08	0.01			0.13	0.60	0.20	0.17	0.10	0.19		0.37	0.18
SAVAGE RIVER DAM	4.16		0.39	0.18	0.46		T				T	T	0.75	0.05		0.33			0.29	T	T	0.10		0.53	0.87	T			0.05	T	0.08	0.08
SINES DEEP CREEK	MA 6.28	*	*	0.63[a]	0.66	0.20	0.18		*	0.05[a]	0.05	0.14	0.60	0.49	*	*	0.50[a]	0.20	0.45	0.13		*	*	0.25[a]	0.75	0.20	-	0.20	*	*	0.40[a]	0.20
DELAWARE																															
NORTHERN 01																															
WILMINGTON NEW CASTLE CO AP	2.67		0.46	0.37	0.01	0.01	0.06	0.20			T	0.41	0.04		0.08		T	0.26	0.01		0.15		0.11	0.45	T		0.02			0.01	0.02	
WILMINGTON PORTER RSCH	2.85		0.05	0.44		T	T	0.50				0.44	0.07		0.07			0.18	0.15		0.17	T	0.18	0.58	T		0.02				T	
SOUTHERN 02																															
DOVER	MA 2.98		0.57	0.50		T		-				0.31		0.01	0.09	0.21		0.13	T		0.11		*	0.95[a]	0.02		0.04				0.04	

MARYLAND AND DELAWARE
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DAILY TEMPERATURES (°F)

STATION	OB.TIME	MAX/MIN	DAY OF MONTH																													AVERAGE
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MARYLAND																																		
SOUTHERN																																		
EASTERN SHORE 01																																		
ASSATEAGUE	VA	MAX																																M
		MIN																																M
PRINCESS ANNE	17	MAX		49	59	58	55	38			24	46	56	67	62			45	55	56	54	51			51	47	63	63	54			40	51	52.0
		MIN		40	46	38	25	30			0	4	41	49	39			30	40	40	32	30			43	39	41	41	31			23	21	32.9
SALISBURY 2N	17	MAX	56	51	53	56	52	37	33	33	27	41	56	67	65	48	44	45	53	55	53	49	51	52	52	48	59	62	51	45	48	43	51	49.5
		MIN	37	38	45	47	27	32	21	12	4	10	9	9[s]	48	32	34	31	40	50	44	33	45	47	47	39	37	45	20	22	30	32	24	32.7
SALISBURY FAA AP	24	MAX	56	49	51	56	37	35	29	22	24	46	56	67	62	42	45	45	56	55	51	48	50	52	51	47	59	63	45	45	48	40	51	47.8
		MIN	34	40	46	37	25	30	18	14	0	4	41	55	39	33	35	30	40	47	32	30	45	46	43	39	39	41	31	29	26	22	21	32.6
SNOW HILL 4 N	17	MAX	58	57	54	57	52	39	33	27	24	39	54	67	66	60	54	47	56	55	52	48	50	54	53	48	61	64	52	46	51	45	50	50.7
		MIN	33	30	42	44	22	28	22	14	0	4	36	53	50	33	31	25	35	44	32	27	42	40	42	34	34	36	25	22	23	27	16	30.5
CENTRAL																																		
EASTERN SHORE 02																																		
ROYAL OAK 2 SSW	17	MAX	53	45	48	54	50	35	30	22	27	35	55	67	62	45	42	43	48	56	53	47	48	50	51	48	57	59	49	45	45	38	51	47.0
		MIN	33	33	43	43	33	30	20	16	11	17	34	45	45	34	34	32	40	45	39	33	44	44	43	39	42	47	40	40	30	32	26	35.1
LOWER SOUTHERN 03																																		
MECHANICSVILLE 5 NE	07	MAX	46	54	44	48	56	36	33	22	22	25	41	58	71	55	35	44	45	55	60	51	44	50	49	46	47	60	63	44	46	48	36	46.3
		MIN	24	29	40	41	26	26	20	12	5	6	10	35	52	33	32	33	36	39	34	31	33	37	45	37	36	40	31	28	28	30	23	30.1
SOLOMONS	08	MAX	53	46	49	55	38			33	29	51	60	70				53	57		52			50	76[s]	47	62	62			47	37	53	M
		MIN	30	41	45	31	32			15	20	29	40	53				33	41		35			41	38	38	42	36			31	29	33	M
UPPER SOUTHERN 04																																		
BALTIMORE-WASHINGTON INTL AP	24	MAX	54	43	46	55	35	33	25	23	26	40	56	70	62	41	43	42	45	57	51	45	48	51	48	49	60	57	43	46	44	38	52	46.1
		MIN	34	38	41	32	26	24	17	13	10	16	35	49	41	31	33	32	38	40	33	32	44	45	38	37	37	37	35	29	26	25	24	32.0
BELTSVILLE	08	MAX	47	53	43	46	55	35	31	24	22	26	41	56	70	52	36	44	45	50	55	51	47	49	51	44	46	60	57	43	46	43	36	45.3
		MIN	23	34	40	41	29	29	22	13	11	16	21	31	51	35	32	33	35	39	44	32	37	45	44	37	37	37	38	33	28	30	23	32.3
DALECARLIA RSVR	08	MAX	47	54	43	46	55	35	31	23	22	25	50	56	71	51	35	46	45	49	57	51	48	49	51	44	44	61	58	43	47	43	36	45.7
		MIN	33	35	41	41	26	29	20	13	12	12	20	45	50	35	33	35	37	41	37	33	33	46	44	36	37	41	37	33	30	30	25	32.9
MARYLAND SCI CTR	24	MAX	54	45	47	57	37	33	27	24	28	41	52	71	65	42	44	41	46	57	52	46	49	53	50	49	61	57	45	46	45	39	53	47.0
		MIN	42	40	43	35	30	27	20	16	17	22	38	44	42	33	35	34	40	45	42	39	44	46	40	39	42	43	38	37	35	31	30	35.8
NATL ARBORETUM DC	08	MAX	47	55	46	50	55	36	34	25	24	26	42	57	71	54	54	47	46	54	58	52	49	50	53	49	49	61	59	44	48	46	46	48.0
		MIN	31	38	42	44	29	30	23	15	15	17	21	35	52	35	33	36	37	41	42	35	40	47	48	40	39	41	39	34	31	31	25	34.4
OXON HILL	07	MAX	48	54	45	48	54	37	35	24	22	27	42	58	70	54	38	47	45	54	57	51	48	49	53	49	47	61	59	43	47	45	37	46.7
		MIN	26	38	40	42	28	30	21	13	14	16	19	39	53	34	32	36	36	41	41	36	39	45	46	39	40	44	38	33	31	30	25	33.7
NORTHERN																																		
EASTERN SHORE 05																																		
STEVENSVILLE 2SW	07	MAX	50	44	43	45	53	36	32	24	23	26	43	52	68	56	35	40	41	45	53	48	45	46	49	46	46	57	55	43	44	45	39	44.3
		MIN	39	36	40	41	31	30	23	15	16	17	23	37	50	34	32	31	34	38	39	34	34	40	40	37	38	41	41	34	32	31	28	33.4
NORTHERN CENTRAL 06																																		
ABERDEEN PHILLIPS FLD	07	MAX	44	53	42	46	54	34	32	23	24	23	39	51	65	51	33	43	38	43	54	51	42	46	48	43	45	57	56	41	42	42	38	43.3
		MIN	26	37	38	41	27	28	22	13	12	12	20	35	51	31	30	25	24	35	41	33	33	42	43	37	37	39	40	35	27	32	23	31.3

MARYLAND AND DELAWARE
201701

DAILY TEMPERATURES (°F)

STATION	OB.TIME	MAX/MIN	DAY OF MONTH																													AVERAGE
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
BRIGHTON DAM	08	MAX		50	45	50	56	56	29	23	20	24	40	57	68	68	37	40	43	54	47	45		48	50	46	42	51	57	57	58	42	35	46.1
		MIN		22	40	45	26	27	19	10	9	14	20	34	47	33	31	30	33	38	45	39		33	33		38	31	37	32	26	27	23	30.1
CONOWINGO DAM	07	MAX	42	46	42	44	50	32	29	24	21	23	37	47	60	43	33	36	33	41	48	46	31	44	48	42	42	54	54	42	41	41	37	40.4
		MIN	23	31	37	38	24	26	21	12	9	10	15	31	42	29	29	22	22	25	38	30	20	23	40	36	36	37	40	33	27	27	21	27.5
CYLBURN	08	MAX																																M
		MIN																																M
DAMASCUS 3 SSW	22	MAX	49	41	41	52	32	28	21	19	24	36	54	66	61	38	40	42	46	52	46	44	46	48	48	43	56	52	41	42	40	33	50	42.9
		MIN	36	36	38	32	25	20	15	10	8	17	34	43	37	30	31	30	38	41	36	34	44	42	35	34	40	40	33	31	30	26	23	31.3
EMMITSBURG 2 SE	07	MAX	44	51	40	49	52	33	27	24	22	25	37	51	64	57	35	41	39	41	54	50	42	46	47	49	44	57	52	41	43	41	36	43.0
		MIN	25	32	33	38	25	25	18	12	8	12	16	37	43	30	28	24	25	34	40	29	29	42	42	35	36	36	36	34	32	27	24	29.3
MILLERS 4 NE	18	MAX	49	39	42	50	37	28	22	19	23	29	52	65	64	38	40	35	39	52	48	41	45	45	47	41	54	52	41	41	39	34	46	41.8
		MIN	32	34	38	37	21	21	16	8	5	14	29	41	38	27	26	22	33	39	39	32	39	40	34	33	35	40	32	31	29	23	17	29.2
REISTERSTOWN 2 NW	08	MAX	44	49	45	49	50	30	30	30	19	22	39	55	66	56	34	38	38	42 I	52	48	48	48	48	41	45	56	56	38	42	41	41	43.3
		MIN	27	34	34	34	23	22	15	8	8	8	18	37	32	28	28	26	30	30	39	32	32	32	32	34	34	38		31	32	27	22	27.6
SMITHSBURG 2NW	08	MAX	45	47	40	46	49	31	23	20		24	43	56	66	45	32	38	40	44	49	46	45	46	48	41	42	55	49	36	40	39	34	42.0
		MIN	28	30	37	37	21	21	12	8		8	19	39	41	30	27	24	29	35	38	29	39	41	41	32	33	36	33	31	31	22	20	29.1
APPALACHIAN MOUNTAIN 07																																		
CUMBERLAND 2	07	MAX	47	51	44	50	48	35	25	24	21	29	27	49	70	48	36	42	44	50	53	52	46	47	50	46	46	67	47	37	43	36	36	43.4
		MIN	22	38	39	39	22	21	15	11	12	12	19	27	40	33	33	34	35	37	41	35	35	40	43	34	36	41	33	32	33	27	24	30.4
FROSTBURG 2	07	MAX	45	42	37	48	41	25	16	12	11	20	44	58	63	38	33	37	38	54	43	46	44	58	46	39	36	55	37	27	31	29	25	38.0
		MIN	18	31	34	34	15	11	7	3	2	6	15	40	32	27	26	27	30	35	35	32	34	38	38	29	31	34	25	24	24	20	13	24.8
SHARPSBURG 5 S	07	MAX	46	51	42	41	54	34	27	23	21	26	43	58	69	49	34	41	43	46	54	51	47	48	50	45	45	61	52	39	46	41	35	43.9
		MIN	23	30	38	36	20	21	16	6	5	11	20	30	44	34	31	29	34	36	39	29	39	41	44	34	33	32	36	33	29	24	21	29.0
ALLEGHENY PLATEAU 08																																		
OAKLAND 1 SE	07	MAX	47	43	42	53	42	25	17	12	12	30	46	62	67	39	40	40	53	60	42	49	55	55	55	41	37	57	37	37	31	30	38	41.7
		MIN	24	33	36	36	15	13	6	3	3	6	6	43	33	28	28	28	33	42	35	33	34	34	39	30	31	35	24	23	24	19	11	25.4
SAVAGE RIVER DAM	08	MAX	47	42	39	50	45	28	20	16	15	22	46	52	65	40	35	40	40	56	46	45	43	53	46	45	40	55	42	31	34	33	28	40.0
		MIN	18	31	37	37	21	17	11	8	5	9	17	35	37	30	28	33	33	36	39	31	35	37	42	35	35	38	30	27	27	24	17	27.7
SINES DEEP CREEK	07	MAX			50	43	42	23	15		14	28	42	56	62			36	47	52	43	46			57	44	44		39			30	27	M
		MIN			22	37	16	14	4		-4	2	20	31	33			29	30	40	35	31			33	30	30		26			27	12	M
DELAWARE																																		
NORTHERN 01																																		
WILMINGTON NEW CASTLE CO AP	24	MAX	52	43	47	56	34	33	24	23	23	41	53	68	59	35	43	40	44	52	51	42	47	51	47	48	54	56	44	42	45	40	44	44.5
		MIN	32	32	41	34	25	22	15	12	10	10	37	46	35	30	27	22	37	40	34	30	42	44	38	38	41	39	34	28	27	25	23	30.6
WILMINGTON PORTER RSCH	24	MAX	45	40	44	51	31	29	22	20	21	37	50	63	63	32	38	38	41	42	46	47	45	47	44	44	51	53	41	38	41	41	41	41.5
		MIN	35	36	39	31	25	22	16	11	9	13	34	43	32	27	26	22	34	28	33	33	31	42	35	35	38	39	32	32	30	25	23	29.4
SOUTHERN 02																																		
DOVER	16	MAX	53	44	49	55	51	34	29	23	26	34	56	67	65	46	42	41	48	52	51	46	48	49	48	45	57	55	45	43	46	40	52	46.5
		MIN	40	36	43	44	27	29	20	13	6	9	34	44	46	32	32	24	35	42	42	31	42	43	40	37	38	43	37	35	27	31	22	33.0

MARYLAND AND DELAWARE
201701

SNOWFALL AND SNOW ON GROUND (INCHES)

STATION		DAY OF MONTH																													
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MARYLAND																															
SOUTHERN																															
EASTERN SHORE 01																															
ASSATEAGUE	SNOWFALL																														
PRINCESS ANNE	SNOWFALL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	-
SALISBURY 2N	SNOWFALL	-	-	-	-	-	-	10.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	SN ON GND	-	-	-	-	-	-	10	7	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SALISBURY FAA AP	SNOWFALL			-		-	0.1	9.0								-		-	-											0.5	
	SN ON GND							-	-	-																			-	1	
SNOW HILL 4 N	SNOWFALL	-	-	-	-	-	-	10.0	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0	-
CENTRAL																															
EASTERN SHORE 02																															
ROYAL OAK 2 SSW	SNOWFALL						T	6.5							T															2.6	
	SN ON GND						T	7	4	3	2	T																		T	
LOWER SOUTHERN 03																															
MECHANICSVILLE 5 NE	SNOWFALL						T	0.2	2.8																					2.0	
	SN ON GND						T	T	3	2	2	T																		2	T
SOLOMONS	SNOWFALL						-	-	0.1																			-	-	T	
	SN ON GND						-	-	2	-	-	-																-	-	T	
UPPER SOUTHERN 04																															
BALTIMORE-WASHINGTON INTL AP	SNOWFALL					0.1	0.1	0.5			T				T									T					T	T	T
	SN ON GND						T	T	T																						
BALTIMORE WASHINGTON INTL CLIM	SNOWFALL	-	-	-	T	-	0.1	0.5	-	-	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T	-
	SN ON GND	-	-	-	-	-		1	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BELTSVILLE	SNOWFALL						0.1		0.8																					0.4	T
	SN ON GND						T		1	T																				1	
	WTR EQUIV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DALECARLIA RSVR	SNOWFALL								0.1																					0.5	
	SN ON GND																														
	WTR EQUIV					-																									
MARYLAND SCI CTR	SNOWFALL																														
NATL ARBORETUM DC	SNOWFALL						T		-																					0.5	T
	SN ON GND								-	T	T																			1	
	WTR EQUIV	-		-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-		-	-	-	-	-	-		-	-
OXON HILL	SNOWFALL						T	T	1.3						0.1															1.2	T
	SN ON GND							T	1	T	T																			1	
	WTR EQUIV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	-
NORTHERN																															
EASTERN SHORE 05																															
STEVENSVILLE 2SW	SNOWFALL						0.5		1.5																					0.2	T
	SN ON GND						T	T	2	1	1	T																		T	
SUDLERSVILLE 1S	SNOWFALL					0.5		5.5																							

Snowfall: Includes snow and ice. Values for NWS stations (J index note) are Mid-Mid (LST).

Snow on ground: Includes snow, sleet, ice, and hail. Values for NWS stations (J index note) are observed at 12 UTC (GMT).

Water Equivalent: Given for NWS stations (J index note) only, when snow depth is 2 inches or more, and is measured at 18 UTC (GMT)

MARYLAND AND DELAWARE
201701

SNOWFALL AND SNOW ON GROUND (INCHES)

STATION		DAY OF MONTH																													
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	SN ON GND					1		5	4	3	1																					
NORTHERN CENTRAL 06																																
ABERDEEN PHILLIPS FLD	SNOWFALL						0.4		0.2							T														T	T
	SN ON GND						T		T							T	-													T	T
BRIGHTON DAM	SNOWFALL								1.0																						
	SN ON GND								1																						
	WTR EQUIV					-	-	-	-	-			-	-	-				-	-	-	-				-	-	-	-			
CONOWINGO DAM	SNOWFALL									-	0.5																				
	SN ON GND									-	-	-																			
CYLBURN	SNOWFALL						0.5																								
	SN ON GND																														
DAMASCUS 3 SSW	SNOWFALL					0.2	0.5	0.5			T				T									0.1				T	T	T	0.3	T
	SN ON GND					T	T	T	T	T	T				T														T			
EMMITSBURG 2 SE	SNOWFALL						2.0																								T
	SN ON GND																														
	WTR EQUIV																														
MILLERS 4 NE	SNOWFALL						2.7	0.4			T				T										T			T	T	T	1.1	T
	SN ON GND						2	2	1	1	1				T																1	
	WTR EQUIV						0.1	0.1	0.1	0.1	0.1																					
REISTERSTOWN 2 NW	SNOWFALL	-	-	-	-	-	1.5	0.4	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMITHSBURG 2NW	SNOWFALL																															
APPALACHIAN MOUNTAIN 07																																
CUMBERLAND 2	SNOWFALL						0.1				1.0	1.1													0.1						0.4	0.5
	SN ON GND										1	2																				
FROSTBURG 2	SNOWFALL						3.2	T	0.3		1.9	T													5.1	T		0.4	1.1	T	1.5	1.9
	SN ON GND	2	T				3	2	2	2	4	1													5	3	T	T	1	1	2	4
	WTR EQUIV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-
SHARPSBURG 5 S	SNOWFALL						2.2		T			T													T				T	T		T
	SN ON GND						2	1	1	1	1	T																				
WILLIAMSPORT	SNOWFALL																															
ALLEGHENY PLATEAU 08																																
OAKLAND 1 SE	SNOWFALL						6.8	2.0	2.0	0.3	0.3														4.0			2.5	2.0		7.0	2.5
	SN ON GND						6	7	8	8	1														4			2	4	4	10	11
SAVAGE RIVER DAM	SNOWFALL											T																	T	T	0.5	2.0
	SN ON GND											1																	T	T	T	2
SINES DEEP CREEK	SNOWFALL	-	-				5.0		-	0.5					-	-						-	-		6.0		-	1.0	-	-	6.0	3.0
	SN ON GND	-	-				5	6	-	6	5	1			-	-						-	-		6	3	-	1	-	-	6	8
DELAWARE																																

Snowfall: Includes snow and ice. Values for NWS stations (J index note) are Mid-Mid (LST).

Snow on ground: Includes snow, sleet, ice, and hail. Values for NWS stations (J index note) are observed at 12 UTC (GMT).

Water Equivalent: Given for NWS stations (J index note) only, when snow depth is 2 inches or more, and is measured at 18 UTC (GMT)

MARYLAND AND DELAWARE
201701

SNOWFALL AND SNOW ON GROUND (INCHES)

STATION		DAY OF MONTH																													
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
NORTHERN 01																																
WILMINGTON NEW CASTLE CO AP	SNOWFALL					0.3	0.7	3.0							T															0.2	0.3	
	SN ON GND						1		3	2	1																				T	
	WTR EQUIV	-	-	-	-	-	-	0.2	0.2	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WILMINGTON PORTER RSCH	SNOWFALL					0.8	0.5	2.8																							T	
	SN ON GND					1		3	1																							
SOUTHERN 02																																
DOVER	SNOWFALL					0.3		5.0																							0.3	
	SN ON GND					T		4	4	2	1																					

Snowfall: Includes snow and ice. Values for NWS stations (J index note) are Mid-Mid (LST).

Snow on ground: Includes snow, sleet, ice, and hail. Values for NWS stations (J index note) are observed at 12 UTC (GMT).

Water Equivalent: Given for NWS stations (J index note) only, when snow depth is 2 inches or more, and is measured at 18 UTC (GMT)

MARYLAND AND DELAWARE
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PAN EVAPORATION AND WIND

STATION		DAY OF MONTH																													TOTAL OR AVERAGE
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MARYLAND																																	
UPPER SOUTHERN 04																																	
BELTSVILLE	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
ALLEGHENY PLATEAU 08																																	
SAVAGE RIVER DAM	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M

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

STATION INDEX

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES			
							LOCAL STD TIME			
							TEMP	PRECIP	EVAP	SPECIAL SEE (NOTES)
MARYLAND										
ABERDEEN PHILLIPS FLD	0015	06	HARFORD	39 28	76 10W	57	07	07		CH
ASSATEAGUE	0335	01	WORCESTER	38 4	75 13W	10	VAR	VAR		H
BALTIMORE WASHINGTON INTL CLIM	0467	04	ANNE ARUNDEL	39 11	76 39W	101		24		H
BALTIMORE-WASHINGTON INTL AP R	0465	04	ANNE ARUNDEL	39 10	76 41W	156	24	24		HJ
BELTSVILLE	0700	04	PRINCE GEORGE'S	39 2	76 56W	145	08	08	08	CH
BRIGHTON DAM	1125	06	MONTGOMERY	39 11	77 0W	330	08	08		H
CONOWINGO DAM	2060	06	HARFORD	39 39	76 11W	40	07	07		H
CUMBERLAND 2	2282	07	ALLEGANY	39 39	78 45W	730	07	07		H
CYLBURN	2308	06	BALTIMORE	39 21	76 39W	235	08	08		H
DALECARLIA RSVR	2325	04	DISTRICT OF COLUMBIA	38 56	77 7W	150	08	08		H
DAMASCUS 3 SSW	2336	06	MONTGOMERY	39 16	77 14W	700	22	22		H
EMMITSBURG 2 SE	2906	06	FREDERICK	39 41	77 17W	403	07	07		H
FROSTBURG 2	3415	07	ALLEGANY	39 40	78 56W	2170	07	07		H
MARYLAND SCI CTR R	5718	04	BALTIMORE (CITY)	39 17	76 37W	20	24	24		H
MECHANICSVILLE 5 NE	5865	03	ST. MARY'S	38 28	76 42W	100	07	07		H
MILLERS 4 NE	5934	06	CARROLL	39 43	76 48W	860	18	18		CH
NATL ARBORETUM DC	6350	04	DISTRICT OF COLUMBIA	38 55	76 58W	50	08	08		H
OAKLAND 1 SE	6620	08	GARRETT	39 25	79 24W	2420	07	07		H
OXON HILL	6800	04	PRINCE GEORGE'S	38 47	76 60W	120	07	07		H
PRINCESS ANNE	7330	01	SOMERSET	38 13	75 41W	20	17	17		H
REISTERSTOWN 2 NW	7580	06	BALTIMORE	39 30	76 50W	737	08	08		H
ROYAL OAK 2 SSW	7806	02	TALBOT	38 43	76 11W	10	17	17		H
SALISBURY 2N	8004	01	WICOMICO	38 24	75 36W	20	17	17		H
SALISBURY FAA AP //R	8005	01	WICOMICO	38 20	75 31W	47	24	24		H
SAVAGE RIVER DAM	8065	08	GARRETT	39 31	79 8W	1495	08	08	08	CH
SHARPSBURG 5 S	8207	07	WASHINGTON	39 24	77 43W	500	07	07		H
SINES DEEP CREEK	8315	08	GARRETT	39 31	79 25W	2040	07	07		H
SMITHSBURG 2NW	8371	06	WASHINGTON	39 40	77 35W	670	08	08		H
SNOW HILL 4 N	8380	01	WORCESTER	38 14	75 23W	30	17	17		H
SOLOMONS	8405	03	CALVERT	38 19	76 27W	12	08	08		H
STEVENSVILLE 2SW	8557	05	QUEEN ANNE'S	38 58	76 20W	10	07	07		H
SUDLERSVILLE 1S	8657	05	QUEEN ANNE'S	39 10	75 51W	100		20		H
WILLIAMSPORT	9570	07	WASHINGTON	39 37	77 51W	360		06		H
DELAWARE										
DOVER	2730	02	KENT	39 9	75 30W	30	16	16		H
WILMINGTON NEW CASTLE CO AP R	9595	01	NEW CASTLE	39 40	75 36W	79	24	24		HJ
WILMINGTON PORTER RSCH	9605	01	NEW CASTLE	39 46	75 32W	270	24	24		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 for station departures is 1981 to 2010. The normals for National Weather Service localities have been adjusted so as to be representative for the current observation site.

The January 2011 through December 2015 publications incorrectly state the computation of divisional departures. Climate Division departures have been, and continue to be, computed from 1971-2000 Normals, not 1981-2010 as stated. Station departures are accurately described as departures from 1981-2010.

MONTHLY DEGREE DAY TOTALS: One heating (cooling) degree day is accumulated for each whole degree that the daily mean temperature is below (above) 65 degrees Fahrenheit.

PRECIPITATION: Values shown in hundredths of inches are water equivalent totals, i.e., total of liquid and melted frozen precipitation. In the "Monthly Summarized Data" table the total snow and sleet values shown in tenths of inches are unmelted amounts. The max depth on ground values of snow and sleet shown in whole inches are cumulative unmelted amounts. The number of days with .10, .50, 1.00 or more refers to water equivalents.

PRECIPITATION QUALITY CONTROL: The NCEI quality control process may flag precipitation data that are spatially inconsistent, exceed climatological limits, or are inconsistent with prevailing weather patterns.

TEMPERATURE: Original temperature values are given in the "Daily Temperature" table. Summary temperature information (averages, departures, extremes, monthly degree day totals) is based on the values labeled MAX/MIN.

WIND: (As shown in the "Evaporation and Wind" table) the total wind movement in miles over the evaporation pan as determined by an anemometer recorder located 6-8 inches above the pan.

SYMBOLS AND LETTERS USED IN THE STATION INDEX TABLE

C Station is equipped with recording rain gage (R) but values in this bulletin are from a non-recording rain gage unless indicated by an R.
G Observations appear in the "Soil Temperatures" table.
H Observations appear in the "Snowfall and Snow on the Ground" table.
J Station also published as a Local Climatological Data publication.
VAR Observation time varies.
SR / SS Observation time near sunrise / Observation time near sunset, respectively.

SYMBOLS AND LETTERS USED IN THE DATA TABLES

(DAILY DATA ARE FOR THE 24 HOURS IMMEDIATELY PRECEDING OBSERVATION TIME.)
BLANK Entries in the "Monthly Summarized Data" table indicate no record.
BLANK Entries in the "Daily Precipitation" and "Snowfall and Snow on the Ground" tables indicate zero.
BLANK Entries in the "Daily Temperature" table indicate a missing record

- No record. Data not recorded or not received in time for publication.
+ Precipitation or temperature extremes occurred on one or more previous dates during the month.
* Rain gage not read. Precipitation is included in the amount following the asterisks. Time distribution may not be known. A * preceding the monthly total indicates precipitation amount is being carried forward to next month's total, and may include amounts from the previous month(s).
a As a subscript, indicates accumulated total.
A Amount of precipitation is the total of observer's entries for the current month. It may include precipitation that occurred during the previous month. Refer to earlier bulletin to determine date of last reading. (Hawaii stations)
B Divisional Departure from normals are computed using 1971-2000 normals.
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 daily values are missing.
F Monthly calculation flagged value. F is appended to average and/or total values computed which exclude one or more daily data values that have been flagged by the GHCN-Daily Dataset
M Insufficient or partial data. M is appended to average and/or total values computed with 1-9 daily values missing. M appears alone if 10 or more daily values are missing, (8 or more for wind and evaporation).
N Indicates snow fall or Snowdepth totals are computed with one or more missing days.
R Amounts from recording rain gage.
T Trace. An amount too small to measure.

SEASONAL TABLES: Monthly and seasonal snowfall and heating degree days for the 12 months ending with the June data are published in the July issue of this bulletin. Cooling degree days for the calendar year are published in the "Climatological Data Annual Summary."

Information concerning the history of changes in locations, exposure, etc. of substations is kept on file at the National 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.

Effective with the January 2011 Data-Month, COOP Observer Names are no longer included in the Monthly and Annual Climatological Data Publications. This information is not published to ensure the privacy of personal information pursuant to Section 208 of the E-Government Act of 2002 (44 USC 3601).

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.

The GHCN-Daily Quality Control Flags shown below are displayed as superscripts with the data. For more Information on Global Historical Climatology Network - Daily and flags, see: http://www.ncdc.noaa.gov/oa/climate/ghcn-daily/ and Comprehensive Automated Quality Assurance of Daily Surface Observations. Durre, Imke, Matthew J. Menne, Byron E. Gleason, Tamara G. Houston, Russell S. Vose, 2010: J. Appl. Meteor. Climatol., 49, 16151633. doi: 10.1175/2010JAMC2375.1

Blank = Passed All checks
D = failed duplicate check
G = failed gap check
I = failed internal consistency check
K = failed streak/frequent-value check
L = failed check on length of multiday period
M = failed megaconsistency check
N = failed naught check
O = failed climatological outlier check
R = failed lagged range check
S = failed spatial consistency check
T = failed temporal consistency check
W = temperature too warm for snow
X = failed bounds check
Z = flagged as a result of an official Datzilla investigation

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.

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 .

Effective January 2016, Alaska's Climate Divisions are updated to reflect the 13 climate divisional boundaries established by University of Alaska-Fairbanks, NWS, NCEI, Oregon State University, and University of Nebraska-Lincoln. For more details regarding the updated Alaska Climate Divisions, see: http://journals.ametsoc.org/doi/pdf/10.1175/JAMC-D-11-0168.1 (Bienek et al., 2012).

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