



CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

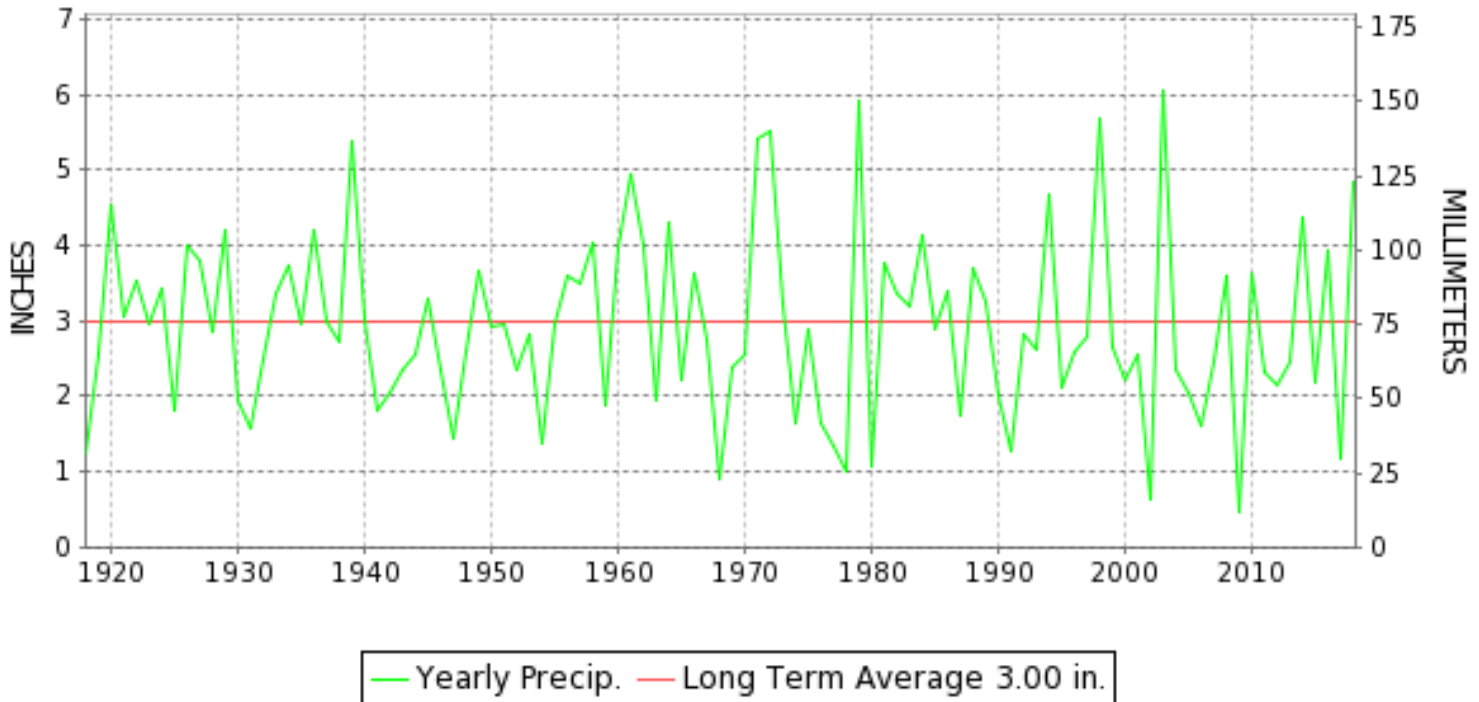
FEBRUARY 2018

VOLUME 122 NUMBER 02

ISSN 0145-0549

GHCND Ver: 3.25-upd-2018062418

FEBRUARY PRECIPITATION BY YEAR



TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND

HIGHEST TEMPERATURE	83	FEBRUARY 21+	3 STATIONS
LOWEST TEMPERATURE	3	FEBRUARY 09	SINES DEEP CREEK
GREATEST TOTAL PRECIPITATION	9.85		SINES DEEP CREEK
LEAST TOTAL PRECIPITATION	2.72		SALISBURY FAA AP
GREATEST 1 DAY PRECIPITATION	3.45	FEBRUARY 11	MECHANICSVILLE 5 NE
GREATEST TOTAL SNOWFALL	12.6		OAKLAND 1 SE
GREATEST DEPTH OF SNOW OR ICE	6		SINES DEEP CREEK

"I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA) It is compiled using information from weather observing sites supervised by NOAA/National Weather Service and received at the National Centers for Environmental Information(NCEI), Asheville, North Carolina 28801."

Mary S. Wolpenbut

Director
National Centers for Environmental Information

noaa

National
Oceanic and
Atmospheric Administration

National
Environmental Satellite, Data
and Information Service

National
Centers for Environmental Information
Asheville, North Carolina

DELAWARE

HIGHEST TEMPERATURE	78	FEBRUARY 21	WILMINGTON NEW CASTLE CO AP
LOWEST TEMPERATURE	13	FEBRUARY 03	DOVER
GREATEST TOTAL PRECIPITATION	6.96		DOVER
LEAST TOTAL PRECIPITATION	6.00		WILMINGTON NEW CASTLE CO AP
GREATEST 1 DAY PRECIPITATION	3.09	FEBRUARY 11	DOVER
GREATEST TOTAL SNOWFALL	2.5		WILMINGTON NEW CASTLE CO AP
GREATEST DEPTH OF SNOW OR ICE	2		WILMINGTON NEW CASTLE CO AP

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																																
PRINCESS ANNE	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SALISBURY 2N	2.88		0.30		0.13	0.20		0.09	0.17		0.10	0.08	0.59	0.02	0.04	0.12	0.10	0.06	0.64	0.01				0.12	0.04	0.05	0.02					
SALISBURY FAA AP	2.72		0.23		0.30			0.31			0.06	0.25	0.75	0.01		0.07	0.07	0.62				0.04	0.01	T	T							
SNOW HILL 4 N	M 1.90				0.14	0.21		0.12	0.25				0.36			0.01	0.04	0.06	0.66	T		-		0.05	T	T	T					
CENTRAL																																
EASTERN SHORE 02																																
ROYAL OAK 2 SSW	5.93		0.22		0.35	0.55		0.40	0.10		0.97	1.99	0.25	T	0.01	0.10	0.08	0.12	0.58	0.02	T			T	T	0.02	0.17	T				
LOWER SOUTHERN 03																																
MECHANICSVILLE 5 NE	6.73		0.14			0.98		0.07	0.40			3.45	0.48	0.01	T	0.11	0.02	0.12	0.61	T	0.01		T	0.09	0.01	0.16	0.07	T				
SOLOMONS	A 4.13		0.15	*	*	0.55 _a	*	0.00 _a	0.25		*	*	2.00 _a	0.08	0.01	0.06		*	*	0.70 _a	0.05	*	T _a	0.08	*	*	0.20 _a	T				
UPPER SOUTHERN 04																																
BALTIMORE-WASHINGTON INTL AP	5.30	T	0.04		1.19			0.43			0.88	1.21	0.04	T	0.03	0.01	0.21	0.57		0.01			0.07	0.20	0.07	0.34						
BELTSVILLE	4.87		0.05			1.15		T	0.42			1.86	0.25	0.03	0.01	0.03	0.06	0.08	0.56					0.11	0.03	0.12	0.11					
DALECARLIA RSVR	5.46		0.12			1.17			0.45			1.85	0.20	0.06	0.03	0.10	0.07	0.06	0.57		0.10		0.10	0.15	0.09	0.24	0.10					
MARYLAND SCI CTR	4.80	0.01	0.05		1.21			0.40			0.56	0.94	0.02		0.03	0.03	0.36	0.53				0.08	0.16	0.10	0.32							
NATL ARBORETUM DC	M 3.63		-			-		T	0.48			1.83	0.23	T		0.07	0.05		0.53		0.01		0.09	0.03	0.20	0.11						
OXON HILL	6.13		0.08			1.10		0.01	0.50			2.57	0.60	0.09	T	0.07	0.04	0.05	0.50	0.01	0.02		0.07	T	0.23	0.19	T					
NORTHERN																																
EASTERN SHORE 05																																
STEVENSVILLE 2SW	8.93		0.09			1.16		0.05	0.45			2.72	3.11	0.12		0.05	0.01	0.21	0.60		0.02			0.05	0.06	0.19	0.04					
SUDLERSVILLE 1S	M 6.45	-	-	-	-	0.90	-	0.10	0.60	-	-	2.65	0.85		T	0.05	0.15	-	0.65		T		0.10	T	0.10	0.30						
NORTHERN CENTRAL 06																																
ABERDEEN PHILLIPS FLD	A 5.17		0.13			1.22		0.02	0.52			*	1.63 _a	0.01	T	0.03	0.23	*	*	*	0.47 _a		0.01	0.34	*	*	0.56 _a					
CONOWINGO DAM	M 5.08		0.04			1.28			0.50			-	0.80	0.70		0.07	0.34		0.33		0.03		0.04	0.29	0.24	0.17	0.25					
CYLBURN	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DAMASCUS 3 SSW	4.55	0.02	0.16		0.95			0.59			0.38	0.67	0.01	T	T	0.08	0.47	0.46		0.01		0.03	0.08	0.14	0.10	0.40	T					
EMMITSBURG 2 SE	M 4.82		0.08			0.88		0.20	-			0.34	0.21	0.01			0.47	0.53	0.10		T	T	0.40	0.68	0.08	0.69	0.15					
MILLERS 4 NE	5.11		0.15		0.86	0.17		0.87			0.16	0.62	T			0.03	0.52	0.06	0.18	T	T	0.07	0.15	0.74	0.16	0.37						
REISTERSTOWN 2 NW	M 3.96		0.20			1.10		0.01	0.60			0.72	0.42		0.02	0.05	0.28	0.05	-		0.04		-	-	0.02	0.25	0.20					
SMITHSBURG 2NW	M 4.08		0.17			0.75		0.06	0.85			-	0.20			0.05	-	0.25	0.23				0.97	0.10	0.45	-						
APPALACHIAN																																
MOUNTAIN 07																																
HAGERSTOWN 1 E	4.72	0.11	T		0.78			0.89	T		0.13	0.46	0.01		0.02	0.05	0.50	0.25		T		0.11	0.13	0.60	0.24	0.44	T					
CUMBERLAND 2	4.05		0.01	T		0.42		0.29	0.71			0.17	0.18	T		0.02	0.30	0.09	0.41		0.01		0.10	0.25	0.14	0.93	0.02					
FROSTBURG 2	5.74		0.11	T		0.51	T	0.41	0.58	T		0.16	0.28			0.10	0.90	0.37	0.49				0.11	0.46	0.07	1.18	0.01					
SHARPSBURG 5 S	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WILLIAMSPORT	4.03		0.07	0.01	0.02	0.75		0.06	0.85			0.30	0.02	0.01		0.01	0.22	0.07	0.31				0.03	0.61	0.03	0.48	0.18					
ALLEGHENY PLATEAU 08																																
OAKLAND 1 SE	8.89		0.48	0.02		0.58		0.54	1.00			0.21	0.26	0.12		0.30	2.24	0.90	0.10	0.02			0.32	0.50	0.06	1.16	0.08					

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
SAVAGE RIVER DAM	M 5.83		0.11			0.39		-	1.08			0.11	0.18			0.11	1.27	0.51	0.40				0.07	0.45	0.05	1.10	T					
SINES DEEP CREEK	MA 9.85		0.60	*	*	0.65 _a		0.45	0.85		*	*	*	0.80 _a	-	0.35	1.95	*	*	1.85 _a	0.05		*	0.65 _a	*	*	1.65 _a					
DELAWARE NORTHERN 01																																
WILMINGTON NEW CASTLE CO AP	6.00	0.03	0.13		0.83			0.79			0.51	1.58	T	T	0.04	0.17	0.27	0.54		T	0.01	0.02	0.07	0.49	0.03	0.49						
WILMINGTON PORTER RSCH	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DELAWARE SOUTHERN 02																																
DOVER	6.96		0.27		0.67			0.27	0.24		0.60	3.09	0.24			0.02	0.10	0.73		0.01			0.02	0.25		0.45						

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 PRINCESS ANNE	17	MAX MIN																																		M M
SALISBURY 2N	17	MAX MIN	53 31	55 27	34 15	52 26	54 32	47 23	61 28	61 22	46 23	60 38	70 53	68 43	45 30	49 35	64 45	64 56	56 31	50 34	58 32	68 56	76 62	74 46	47 41	63 47	67 46	58 49	58 31	59 39				57.8 37.2		
SALISBURY FAA AP	24	MAX MIN	56 35	54 21	33 15	54 25	38 21	47 21	60 29	40 24	45 21	61 40	70 57	67 30	40 35	49 48	66 42	66 32	44 30	50 29	58 57	68 62	76 41	65 41	49 48	66 47	70 37	54 57	60 30	60 35				55.8 35.4		
SNOW HILL 4 N	17	MAX MIN	54 23	40 20	36 7	50 18	53 29	50 19	58 23	58 25	45 17	61 32	67 50	67 39	49 27	48 31	65 40	65 53	58 25	51 30	57 23	69 48		72 41	49 37	63 46	71 42	62 46	59 24	61 28				57.0 31.2		
CENTRAL EASTERN SHORE 02 ROYAL OAK 2 SSW	17	MAX MIN	50 29	50 25	33 16	35 29	37 30	41 22	42 25	40 26	45 22	50 35	64 49	64 40	43 30	51 32	64 33	62 52	52 33	49 32	51 32	72 48	77 56	75 46	47 39	54 43	52 46	52 45	56 33	62 40				52.5 35.3		
LOWER SOUTHERN 03 MECHANICSVILLE 5 NE	07	MAX MIN	39 20	55 34	34 12	34 16	34 32	37 24	45 26	39 26	37 22	46 22	59 34	68 54	54 28	38 28	56 31	69 50	62 30	34 31	59 33	53 35	76 53	80 55	57 39	52 39	56 46	54 46	52 28	57 31				51.3 33.0		
SOLOMONS	08	MAX MIN	40 22	40 34			36 34		34 32		35 27		33 27			65 47	47 32	33 33				41 39	57 40		61 50	53 40		48 45	47 34	47 38				M M		
UPPER SOUTHERN 04 BALTIMORE-WASHINGTON INTL AP	24	MAX MIN	52 37	41 16	34 12	34 30	36 22	40 22	39 26	35 20	43 20	49 29	67 45	62 33	39 29	52 31	69 43	62 37	41 29	48 30	48 32	76 48	79 52	67 41	44 39	50 42	51 44	52 33	58 27	65 41				51.2 32.5		
BELTSVILLE	08	MAX MIN	40 20	52 30	30 11	34 14	36 29	34 23	40 26	39 24	34 21	45 24	49 33	66 44	48 25	40 30	51 34	72 46	63 28	42 29	49 30	54 38	76 54	79 54	54 39	48 39	51 46	53 45	51 29	58 36				49.6 32.2		
DALECARLIA RSVR	08	MAX MIN	39 18	53 31	32 13	34 13	35 30	34 23	39 27	39 23	34 22	51 23	47 35	68 42	48 27	43 30	63 34	74 55	63 31	43 30	50 32	54 39	78 54	82 48	49 38	51 49	53 46	51 45	59 30	51 42				50.6 32.9		
MARYLAND SCI CTR	24	MAX MIN	50 36	43 22	36 18	38 32	39 30	42 30	42 33	37 26	44 29	50 37	67 47	63 40	42 31	53 36	64 44	64 40	41 33	49 33	43 37	78 43	83 50	68 43	46 41	53 46	53 48	54 45	59 40	67 43				52.4 36.9		
NATL ARBORETUM DC	08	MAX MIN	41 22			35 20	40 32	37 25	42 28	42 25	37 24	46 24	56 38	69 45	50 30	42 32	54 36	73 50	64 32	44 33	52 35	56 41	77 56	81 56	56 40	51 40	52 48	55 47	57 30	59 37				52.6 35.6		
OXON HILL	07	MAX MIN	39 19	52 32	32 13	35 13	37 30	41 24	42 26	44 25	46 24	52 27	70 38	50 46	41 30	54 31	74 52	62 32	42 30	52 32	53 36	77 53	81 53	54 39	49 39	52 45	53 46	53 33	59 36				51.2 33.4			
NORTHERN EASTERN SHORE 05 STEVENSVILLE 2SW	07	MAX MIN	38 20	51 37	37 18	33 20	36 31	36 24	37 28	39 27	33 23	46 26	53 42	67 46	52 31	37 30	49 33	66 44	60 34	41 32	47 34	51 38	71 50	79 47	53 39	48 39	49 44	49 43	50 38	56 35				48.7 34.0		
NORTHERN CENTRAL 06 ABERDEEN PHILLIPS FLD	07	MAX MIN	37 16	45 34	34 14	32 14	36 30	36 23	38 25	39 24	33 20	41 21	47 31	62 45	47 27	39 27	46 34	62 42	60 30	39 30	47 30	49 34	73 49	78 53	53 38	45 38	50 44	49 44	52 31	55 31				47.3 31.4		
CONOWINGO DAM	07	MAX MIN	31 15	41 31	33 13	31 13	32 29	33 24	35 25	35 23	30 19	38 19	42 30	53 36	42 26	36 26	44 31	52 38	56 28	37 28	44 28	43 29	71 39	75 41	48 38	43 37	43 37	47 37	48 29	54 31				43.5 29.0		

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		
CYLBURN	08	MAX MIN																																	M M
DAMASCUS 3 SSW	22	MAX MIN	45 35	40 16	31 10	32 29	32 21	34 21	33 25	31 19	40 20	42 33	62 42	61 34	39 23	49 29	68 46	65 36	40 27	44 28	44 34	75 58	78 39	63 37	43 43	49 43	50 36	50 30	55 38	64 38			48.5 32.0		
EMMITSBURG 2 SE	07	MAX MIN	37 15	45 28	38 15	33 15	34 27	34 20	28 20	34 19	32 18	36 19	40 28	42 38	51 25	39 25	48 31	69 43	59 24	39 24	47 28	48 28	76 48	79 46	55 38	44 38	48 44	52 45	54 26	56 27			46.3 28.6		
MILLERS 4 NE	18	MAX MIN	44 27	43 18	31 8	32 26	34 22	33 19	33 22	35 18	37 17	42 33	61 40	62 35	40 22	49 30	69 42	63 43	43 45	43 43	76 79	66 66	40 40	47 47	50 53	53 37	40 35	43 44	43 49	28 54	35 49	35 56			48.9 30.9
REISTERSTOWN 2 NW	08	MAX MIN	37 15	45 23	24 12	31 17	34 23	28 20	33 24	35 18	29 19	38 20	44 37	64 38	44 23	40 27	44 30	44 40	51 71	38 71	46 38	51 46	78 51			44 40	49 44	54 44	49 35	56 35			45.5 28.5		
SMITHSBURG 2NW	08	MAX MIN	41 13	50 24	24 11	34 12	36 23	36 20	32 23	34 16	30 15	41 24					44 19	38 20	47 28			37 22	45 32	53 38	76 50	82 45	43 37	48 37			56 25			44.2 26.0	
APPALACHIAN MOUNTAIN 07																																			
HAGERSTOWN 1 E	24	MAX MIN	48 37	39 16	34 12	34 29	36 23	34 22	35 23	31 18	40 19	41 32	46 37	53 29	41 22	49 29	72 41	59 33	39 25	47 26	54 36	79 39	83 54	60 39	44 39	49 43	51 45	53 30	57 25	66 36			49.1 30.7		
CUMBERLAND 2	07	MAX MIN	37 14	55 20	20 14	40 14	36 22	37 22	35 23	36 21	33 21	39 21	39 28	49 36	44 21	44 21	49 33	71 49	59 27	38 27	47 33	54 34	83 40	82 46	46 39	47 40	49 43	56 43	56 27	59 27			47.9 28.8		
FROSTBURG 2	07	MAX MIN	43 10	49 11	12 7	30 8	34 15	24 13	26 20	36 13	36 14	34 17	47 34	54 29	37 17	36 17	56 33	64 49	50 20	33 20	40 28	49 32	77 48	76 40	53 34	53 40	56 36	48 28	55 27			44.6 24.8			
SHARPSBURG 5 S	07	MAX MIN																																	M M
ALLEGHENY PLATEAU 08																																			
OAKLAND 1 SE	07	MAX MIN	47 10	50 10	14 6	35 6	38 15	24 14	34 24	47 12	25 12	47 14	53 32	62 29	62 19	48 25	59 48	65 51	53 24	34 24	40 30	66 30	75 53	74 44	44 37	66 38	58 43	58 38	49 21	57 27			49.4 26.3		
SAVAGE RIVER DAM	08	MAX MIN	42 11	49 17	17 9	32 9	36 20	26 18		32 19	27 16	35 16	38 29	50 32	38 20	38 20	59 32	65 51	53 25	36 26	40 30	52 34	76 42	70 37	43 42	46 37	52 42	56 39	49 27	54 27			44.9 26.6		
SINES DEEP CREEK	07	MAX MIN	50 5	46 4		50 12	25 11	40 16	37 12	39 3				53 14	62 39	57 19	62 19				52 24	50 33	70 38	72 32			60 35	40 22	50 22			M M			
DELAWARE NORTHERN 01																																			
WILMINGTON NEW CASTLE CO AP	24	MAX MIN	47 32	39 18	31 14	36 29	36 23	38 22	43 23	34 22	37 19	49 30	65 46	63 30	40 24	51 33	63 42	60 36	40 28	46 30	47 27	75 45	78 49	59 40	44 38	50 44	50 44	53 36	58 29	62 37			49.8 31.8		
WILMINGTON PORTER RSCH	24	MAX MIN																																	M M
SOUTHERN 02																																			
DOVER	16	MAX MIN	53 28	49 24	33 13	38 28	39 31	40 20	56 25	42 24	39 20	57 33	67 51	67 45	45 29	53 33	63 45	65 53	53 32	46 33	52 30	73 48	76 59	74 43	44 38	52 44	52 45	50 45	57 30	61 40			53.4 35.3		

MARYLAND AND DELAWARE
201802

DAILY SOIL TEMPERATURES

STATION	DEPTH	TIME	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 UPPER SOUTHERN 04 BELTSVILLE (in)																																			

MARYLAND AND DELAWARE
201802

SOILS REFERENCE NOTES

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

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																															
PRINCESS ANNE																															
SALISBURY 2N																															
SALISBURY FAA AP																															
SNOW HILL 4 N																															
CENTRAL EASTERN SHORE 02																															
ROYAL OAK 2 SSW																															
LOWER SOUTHERN 03																															
MECHANICSVILLE 5 NE																															
SOLOMONS																															
UPPER SOUTHERN 04																															
BALTIMORE-WASHINGTON INTL AP																															
BELTSVILLE																															
DALECARLIA RSVR																															
MARYLAND SCI CTR																															
NATL ARBORETUM DC																															
OXON HILL																															
NORTHERN EASTERN SHORE 05																															
STEVENSVILLE 2SW																															
SUDLERSVILLE 1S																															
NORTHERN CENTRAL 06																															
ABERDEEN PHILLIPS FLD																															
CONOWINGO DAM																															
CYLBURN																															
DAMASCUS 3 SSW																															

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)

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
EMMITSBURG 2 SE	SN ON GND				T	T		T	T									4	1												
	SNOWFALL					2.0		-											1.0												
MILLERS 4 NE	SN ON GND																														
	SNOWFALL		T		0.8	T		T										0.6	1.5												
REISTERSTOWN 2 NW	SN ON GND				T	T	T	T	T									1													
	WTR EQUIV																	0.1													
SMITHSBURG 2NW	SNOWFALL																														
	SN ON GND																														
HAGERSTOWN 1 E	SNOWFALL																														
	SN ON GND																														
CUMBERLAND 2	SNOWFALL																														
	SN ON GND																														
FROSTBURG 2	SNOWFALL																														
	SN ON GND																														
SHARPSBURG 5 S	SNOWFALL																														
	SN ON GND																														
OAKLAND 1 SE	SNOWFALL																														
	SN ON GND																														
SINES DEEP CREEK	SNOWFALL																														
	SN ON GND																														
WILMINGTON NEW CASTLE CO AP	SNOWFALL																														
	SN ON GND																														
DOVER	SNOWFALL																														
	SN ON GND																														

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)

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M

Evaporation: Is measured in hundreths of inches.

Wind: Is measured in miles.

Max and Min: The maximum and minimum temperatures (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
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	GCH
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
HAGERSTOWN 1 E	1790	07	WASHINGTON	39 38	77 42W	532	24	24		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 30	76 44W	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 48	76 60W	186	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		CH
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	N = failed naught check
D = failed duplicate check	O = failed climatological outlier check
G = failed gap check	R = failed lagged range check
I = failed internal consistency check	S = failed spatial consistency check
K = failed streak/frequent-value check	T = failed temporal consistency check
L = failed check on length of multiday period	W = temperature too warm for snow
M = failed megaconsistency check	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).

These and other publications are available from the National Centers for Environmental Information

Hourly Precipitation Data

This publication contains hourly precipitation amounts obtained from recording rain gages located at National Weather Service, Federal Aviation Administration, and cooperative observer stations. Published data are displayed in inches and tenths or inches and hundredths at local standard time. HPD includes maximum precipitation for nine (9) time periods from 15 minutes to 24 hours, for selected stations.

Climatological Data

Monthly editions contain station daily maximum and minimum temperatures and precipitation. Some Stations provide daily snowfall, snow depth, evaporation, and soil temperature data. Each edition also contains monthly summaries for heating and cooling degree days (65 degree F base). The July issue contains a recap of monthly heating degree days and snow data for the preceding July through June.

The Annual issue contains monthly and annual averages of temperature, precipitation, temperature extremes, freeze data, soil temperatures, evaporation, and a recap of monthly cooling degree days.

Storm Data

Monthly issues contain a chronological listing, by states, of occurrences of storms and unusual weather phenomena. Reports contain information on storm paths, deaths, injuries, and property damage. An "Outstanding storms of the month" section highlights severe weather events with photographs, illustrations, and narratives. The December issue includes annual tornado, lightning, flash flood, and tropical cyclone summaries.

Monthly Climatic Data for the World

This publication contains monthly means for temperature, pressure, precipitation, vapor pressure, and sunshine for approximately 2,000 surface data collection stations worldwide and monthly mean upper air temperatures, dew point depressions, and wind velocities for approximately 500 observing sites.

Local Climatological Data

LCD publications summarize temperature, relative humidity, precipitation, cloudiness, wind speed and direction observations for several hundred cities in the U.S. and its territories. Each monthly publication also contains 3 hourly weather observations for that month and a hourly summary of precipitation. Annual LCD publications contain a summary of the past calendar year as well as historical averages and extremes.

For Information Call:

(828) 271-4800 Option 2

(828) 271-4010 (TDD)

(828) 271-4876 (Fax)

NOAA National Centers for Environmental Information
Attn: Customer Engagement Branch
151 Patton Avenue
Asheville, NC 28801-5001

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

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