CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

FEBRUARY 2012

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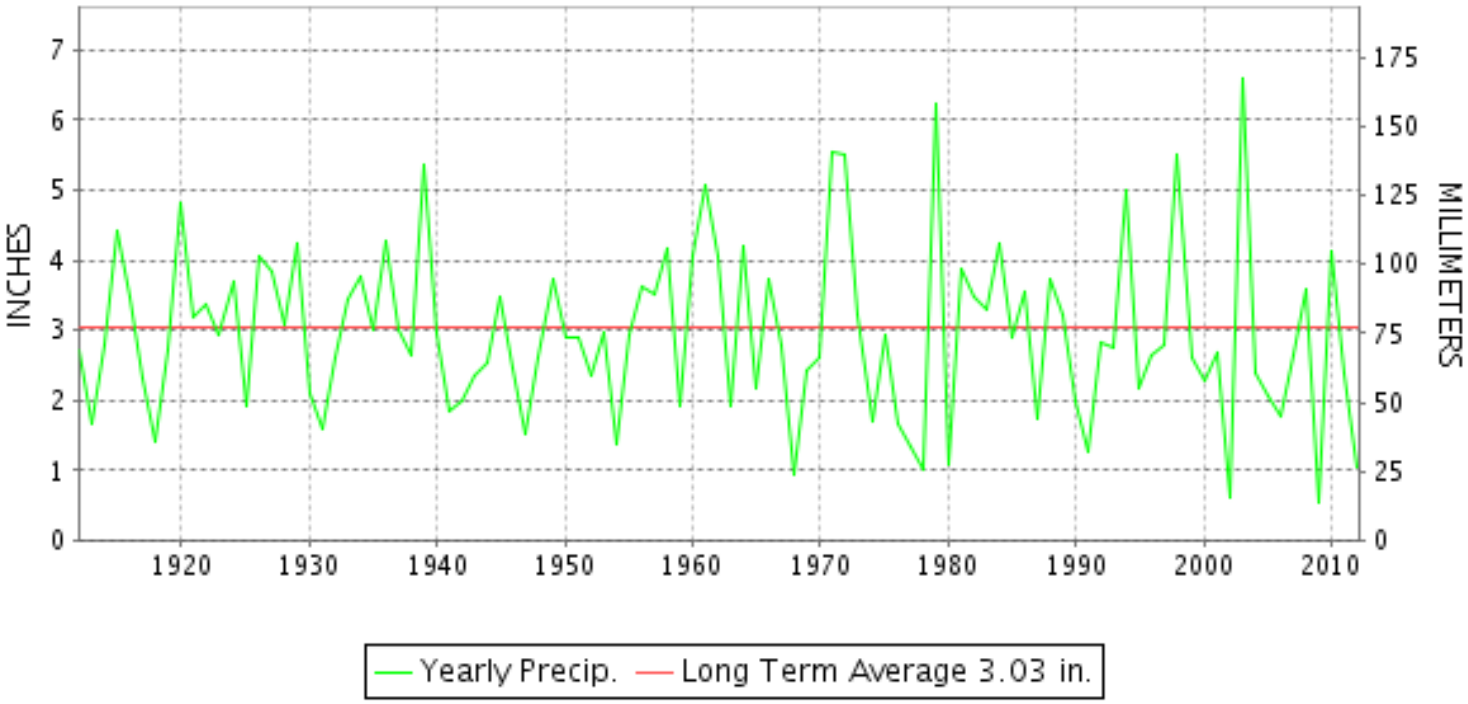
FEBRUARY PRECIPITATION BY YEAR



TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND			
HIGHEST TEMPERATURE	77	FEBRUARY 24	SALISBURY FAA AP
LOWEST TEMPERATURE	6	FEBRUARY 12+	OAKLAND 1 SE
GREATEST TOTAL PRECIPITATION	3.60		SALISBURY FAA AP
LEAST TOTAL PRECIPITATION	0.76		BELTSVILLE
GREATEST 1 DAY PRECIPITATION	1.75	FEBRUARY 29	DAMASCUS 3 SSW
GREATEST TOTAL SNOWFALL	17.4		OAKLAND 1 SE
GREATEST DEPTH OF SNOW OR ICE	11		OAKLAND 1 SE

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Director
National Climatic Data Center

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National Climatic Data Center Asheville, North Carolina

DELAWARE

HIGHEST TEMPERATURE	67	FEBRUARY 01+	3 STATIONS
LOWEST TEMPERATURE	17	FEBRUARY 12	WILMINGTON PORTER RES
GREATEST TOTAL PRECIPITATION	2.09		WILMINGTON NEW CASTLE CO AP
LEAST TOTAL PRECIPITATION	1.88		BEAR 2 SW
GREATEST 1 DAY PRECIPITATION	1.14	FEBRUARY 29	WILMINGTON NEW CASTLE CO AP
GREATEST TOTAL SNOWFALL	2.3		2 STATIONS
GREATEST DEPTH OF SNOW OR ICE	1		1 STATIONS

MARYLAND AND DELAWARE
201202

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												M									
PRINCESS ANNE	57.3M	31.2M	44.3M	5.8	76	24	21	10	592E	0	0	0	14	0	MA 2.97	0.06	0.95	29		1	20	6	2	0
SALISBURY 2N	52.8	33.6	43.2		75	24	18	13	627	0	0	0	13	0	3.34		0.95	29	M			8	2	0
SALISBURY FAA AP	53.4	31.8	42.6	4.9	77	24	18	13	645	0	0	1	21	0	3.60	0.25	1.54	29				8	2	1
SNOW HILL 4 N	54.8	31.9	43.4	3.9	71	24	16	13	621	0	0	0	16	0	3.24	0.10	0.78	29	M	0		7	3	0
--DIVISIONAL DATA------->			43.4	5.6B											3.29	-0.13B								
CENTRAL																								
EASTERN SHORE 02																								
ROYAL OAK 2 SSW	51.7	35.0	43.4	4.5	67	24+	23	21	622	0	0	0	9	0	2.80	-0.33	1.05	29	1.0	M T	13	7	2	1
--DIVISIONAL DATA------->			43.4	6.5B											2.80	-0.51B								
LOWER SOUTHERN 03																								
MECHANICSVILLE 5 NE	52.0	29.2	40.6	3.7	70	02	16	14+	701	0	0	1	21	0	F 1.67	-1.41	0.73	25	M	M T	20	7	1	0
SOLOMONS	50.5	36.4	43.5	4.2	69	02	23	12	620	0	0	1	7	0	A 2.05	2.05	0.46	20	M	M T	20	4	0	0
--DIVISIONAL DATA------->			42.1	5.2B											2.05	-0.97B								
UPPER SOUTHERN 04																								
BALTIMORE WASH INTL AP	51.1	32.1	41.6	5.8	70	01	20	13	670	0	0	1	16	0	2.42	-0.48	1.64	29	0.5	1	12	5	1	1
BELTSVILLE	50.8	30.9	40.9	5.2	68	02	18	13	694	0	0	1	18	0	0.76	-1.84	0.18	25	0.5	T	11	4	0	0
DALECARLIA RSVR	51.0	32.3	41.7	3.9	70	02	21	13+	669	0	0	1	15	0	1.95	-1.08	0.52	25	0.0	0		8	2	0
LAUREL 3 W	50.7	33.2	42.0	5.7	68	01	20	13+	662	0	0	1	14	0	2.51	-0.52	1.53	29	M T	M T	04	6	1	1
MARYLAND SCIENCE CENTER	53.0	38.8	45.9	7.3	71	01	25	13+	546	0	0	0	3	0	2.39	-0.21	1.56	29				5	1	1
NATL ARBORETUM DC	54.3M	32.1M	43.2M	4.8	71	02	22	13	625E	0	0	0	16	0	M 0.80	-2.10	0.23	25	M T	0		3	0	0
OXON HILL	51.9	33.0	42.5	4.6	69	02	21	13+	647	0	0	1	14	0	1.15	-1.78	0.29	25	0.4	T	20	7	0	0
UPPER MARLBORO 3 NNW	51.9	30.3	41.1	4.9	71	02	17	13	684	0	0	1	19	0	1.17	-1.55	0.40	25	0.6	T	12	4	0	0
--DIVISIONAL DATA------->			42.4	6.1B											1.76	-1.16B								
NORTHERN CENTRAL 06																								
ABERDEEN PHILLIPS FLD	49.6	30.0	39.8	4.2	68	02	19	13+	724	0	0	1	20	0	A 0.67	-2.21	0.16	05	M 0.5	M T	12	2	0	0
BRIGHTON DAM	49.3	29.3	39.3		63	01	17	13	736	0	0	1	22	0	FA 0.36		0.22	11	M 2.2	1	11	2	0	0
CONOWINGO DAM	M	M	M												0.88	-1.97	0.18	24	0.5	0		5	0	0
CYLBURN	49.0	31.7	40.4	4.7	66	02	19	12	708	0	0	0	18	0	MA 1.07	1.07	0.28	26				5	0	0
DAMASCUS 3 SSW	46.8	31.8	39.3	5.0	64	01	18	12	740	0	0	1	18	0	2.84	-0.33	1.75	29	M	M 1	13	5	1	1
EMMITSBURG 2 SE	48.1	27.9	38.0	5.6	63	02+	19	12	777	0	0	1	22	0	0.93	-1.77	0.31	24	M 2.0	0		4	0	0
FREDERICK 2 NNE	49.6	29.7	39.7	5.5	65	02+	21	13+	725	0	0	1	21	0	1.74	-1.08	0.67	11	2.2	1	11	5	1	0
MILLERS 4 NE	47.7	29.9	38.8	5.6	64	01	16	12	756	0	0	1	21	0	2.32	-0.87	0.90	29	6.4	2	12	6	2	0
SMITHSBURG 2NW	M	M	M												M									
WESTMINSTER	48.9	29.1	39.0	4.4	65	02+	18	12	745	0	0	1	23	0	0.94	-1.55	0.32	24	0.0	0		5	0	0

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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
--DIVISIONAL DATA------->			39.3	5.3B											1.31	-1.61B								
APPALACHIAN																								
MOUNTAIN 07																								
CUMBERLAND 2	49.6	29.4	39.5	4.7	67	01	17	12	733	0	0	1	23	0	1.37	-1.00	0.42	24	M	1	05	5	0	0
FROSTBURG 2	42.1	24.6	33.4	4.8	58	28+	9	12	911	0	0	4	25	0	1.65	-1.47	0.46	24	M	M 4	26	4	0	0
WILLIAMSPORT	50.8M	28.0M	39.4M	5.7	70	01	20	13	735E	0	0	1	23	0	M 1.26	-0.71	0.36	24	M 1.0	1	05	5	0	0
--DIVISIONAL DATA------->			37.4	5.3B											1.51	-1.11B								
ALLEGHENY PLATEAU 08																								
OAKLAND 1 SE	42.2	22.8	32.5	4.7	60	25	6	12+	936	0	0	6	24	0	3.16	-0.04	1.07	12	17.4	11	13	8	2	1
SAVAGE RIVER DAM	44.4	26.4	35.4	5.5	59	01	13	13+	851	0	0	0	25	0	M 1.62	-0.81	0.42	05	M			5	0	0
SINES DEEP CREEK	41.2	22.9	32.1		60	25	8	13+	948	0	0	6	27	0	2.45		0.56	24	M	8	12	7	1	0
--DIVISIONAL DATA------->			33.3	4.8B											2.81	-0.28B								
DELAWARE																								
NORTHERN 01																								
BEAR 2 SW	49.0	29.6	39.3	4.9	67	01	20	12	739	0	0	0	22	0	1.88	-0.91	1.02	29	2.3	T	11	5	1	1
WILMINGTON NEW CASTLE CO AP	48.9	31.0	40.0	4.9	67	01	18	12	719	0	0	1	21	0	2.09	-0.59	1.14	29	2.3	1	12	5	1	1
WILMINGTON PORTER RES	47.2	31.2	39.2	4.6	64	01	17	12	742	0	0	0	19	0	2.00	-0.99	1.10	29	M	M T	11	4	1	1
--DIVISIONAL DATA------->			39.5	5.2B											1.99	-0.85B								
SOUTHERN 02																								
DOVER	52.7	32.3	42.5	4.5	67	01	19	12	646	0	0	0	18	0	FA 0.98	-2.09	0.55	29	M	1	11	4	1	0
LEWES	M	M	M												M									
--DIVISIONAL DATA------->			42.5	6.1B											0.98	-2.20B								

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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	MA 2.97		0.39		-	-	0.13			0.20		-	-				0.09	0.12	-	*	0.42$_{a}$		0.07	0.08	0.52		-	-		0.95		
SALISBURY 2N	3.34		0.32	0.01	0.08	0.09	0.01		0.10	0.04	0.01	0.08	0.10				0.03	0.09	0.02		0.52	0.01		0.35	0.32	0.21				0.95		
SALISBURY FAA AP	3.60	T	0.33		0.10	0.01			0.19			0.07	T				0.08			0.38	0.10		0.11	0.07	0.62					1.54		
SNOW HILL 4 N	3.24		0.40			0.10			T	0.24		0.05	0.02				T	0.05		0.04	0.55			0.02	0.25	0.74				0.78		
CENTRAL																																
EASTERN SHORE 02																																
ROYAL OAK 2 SSW	2.80	T	0.20		0.03	0.13			0.04	0.03		0.17	0.05				0.06	0.03			0.20			0.17	0.62	0.02				1.05		
LOWER SOUTHERN 03																																
MECHANICSVILLE 5 NE	F 1.67	0.01^{L}	0.34^{L}			0.11	0.01			0.10		0.17	0.02				T	0.10			0.26			0.17	T	0.73						
SOLOMONS	A 2.05	T	0.21	0.09		0.08				0.05		0.10	T					0.08			0.46			0.41	0.05	*	0.52$_{a}$			T		
UPPER SOUTHERN 04																																
BALTIMORE WASH INTL AP	2.42	0.01	T		0.17	T			0.09		0.01	0.22	T		T		0.12							T	0.16	T				1.64		
BELTSVILLE	0.76	0.03	0.07			0.13				0.07		0.17						0.11								0.18						
DALECARLIA RSVR	1.95	0.32	0.12			0.10				0.11		0.50	0.17					0.11								0.52				T		
LAUREL 3 W	2.51	0.03	0.06		0.16				0.12	0.04		0.20					0.15							0.22						1.53		
MARYLAND SCIENCE CENTER	2.39				0.21				0.07			0.23			0.02		0.13							0.17						1.56		
NATL ARBORETUM DC	M 0.80	0.03	0.05	0.01		0.08				0.08		0.11	-				T	0.08						T	0.13	0.23				T		
OXON HILL	1.15	0.04	0.12	0.01		0.12	T			0.12		0.18	0.02				T	0.11			0.13			T	0.01	0.29	T					
UPPER MARLBORO 3 NNW	1.17	0.04	0.17			0.15				0.09		0.16	0.01					0.08			0.05			T	0.02	0.40						
NORTHERN CENTRAL 06																																
ABERDEEN PHILLIPS FLD	A 0.67	T	T			0.16				0.09		*	0.17$_{a}$				T	0.15							0.02	0.08						
BRIGHTON DAM	FA 0.36	0.02	T		0.00^{L}	0.19$_{a}^{L}$				0.10		0.22	0.02				0.00^{L}	0.25$_{a}^{L}$							0.00^{L}	0.10$_{a}^{L}$				0.10^{L}		
CONOWINGO DAM	0.88	0.01				0.12				0.12		0.14	0.06					0.17							0.18	0.08						
CYLBURN	MA 1.07					-	0.19			0.17	-	*	*	*	0.13$_{a}$		T	0.19								0.11	0.28						
DAMASCUS 3 SSW	2.84	T			0.29	0.02			0.16		T	0.24	0.03		T		0.32							0.03	T					1.75		
EMMITSBURG 2 SE	0.93					0.10	0.03			0.01		0.01	0.20				T	0.25							0.31	0.02						
FREDERICK 2 NNE	1.74	T				0.30				0.15		0.67	0.02					0.29			0.01				0.28	0.02						
MILLERS 4 NE	2.32	T			0.13	0.03			0.23	0.02	T	0.22	0.05		T	T	0.20	0.01							0.51	0.02				0.90		
SMITHSBURG 2NW	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
WESTMINSTER	0.94					0.03	0.16			0.01	0.17		0.12					0.13							0.32							
APPALACHIAN																																
MOUNTAIN 07																																
CUMBERLAND 2	1.37					0.33	T			0.14		0.07	T				T	0.26							0.42	0.05				0.10		
FROSTBURG 2	1.65	T	T			0.43	0.02			0.18		0.07	0.01	T		0.02	T	0.35						0.05	0.46	0.06	T					
WILLIAMSPORT	M 1.26					0.26				0.22		0.14	0.03			-		0.22							0.36	0.03						
ALLEGHENY PLATEAU 08																																
OAKLAND 1 SE	3.16	0.05	0.06			0.31	0.20			0.10			1.07	0.15			0.14						0.03	0.08	0.50	0.02				0.45		
SAVAGE RIVER DAM	M 1.62	T				0.42	-			0.16		0.09	T			T	T	0.33						T	0.39	0.14				0.09		

MARYLAND AND DELAWARE
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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
SINES DEEP CREEK	2.45	0.11	0.04			0.43				0.17		0.17	0.30	0.03		0.02		0.45						0.07	0.56	0.03	0.02			0.05		
DELAWARE																															
NORTHERN 01																															
BEAR 2 SW	1.88	T			0.11				0.09	T	0.01	0.27			T	T	0.14					T			0.24					1.02		
WILMINGTON NEW CASTLE CO AP	2.09	T	T		0.08				0.16	T	0.01	0.30			T		0.13						T		0.27					1.14		
WILMINGTON PORTER RES	2.00	0.04			0.03				0.05		T	0.32			T		0.16								0.30					1.10		
SOUTHERN 02																															
DOVER	FA 0.98		0.10			0.11			0.05			0.15					0.02							0.00[L]	0.63[L a]					0.55		
LEWES	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

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	24	MAX																																M
		MIN																																M
PRINCESS ANNE	17	MAX	66	64	50			50	57	56	47	50			48	56	56	54	56			47	54	61	66	76	72			56	62			M
		MIN	49	39	30			24	26	23	27	21			28	33	36	25	34			30	22	32	40	48	29			31	29			M
SALISBURY 2N	17	MAX	66	61	48	48	45	42	54	49	45	50	46	37	44	55	53	51	55	55	47	46	51	62	65	75	60	48	59	58	57			52.8
		MIN	50	39	30	29	36	26	33	29	32	29	35	21	18	33	40	33	41	28	37	32	23	42	44	49	38	28	31	35	33			33.6
SALISBURY FAA AP	24	MAX	68	54	50	51	45	50	57	48	46	52	45	32	45	57	56	52	56	57	45	48	53	63	67	77	49	49	60	56	60			53.4
		MIN	50	40	29	27	27	24	32	32	29	27	27	23	18	33	32	32	32	28	34	28	22	45	47	49	36	29	28	31	30			31.8
SNOW HILL 4 N	17	MAX	67	62	51	53	48	51	57	53	46	52	48	37	44	56	54	52	55	54	50	47	53	63	67	71	69	51	60	60	59			54.8
		MIN	48	46	31	24	37	21	29	22	33	25	37	21	16	29	40	29	42	25	38	33	21	43	42	47	33	27	26	32	28			31.9
CENTRAL																																		
EASTERN SHORE 02																																		
ROYAL OAK 2 SSW	17	MAX	67	57	47	44	43	51	53	44	45	47	42	36	46	55	53	48	54	54	45	45	50	62	66	67	54	49	61	54	59			51.7
		MIN	52	45	32	28	37	25	34	30	34	31	34	24	25	33	40	33	39	28	37	33	23	40	45	45	43	35	36	40	34			35.0
LOWER SOUTHERN 03																																		
MECHANICSVILLE 5 NE	07	MAX	65	70	56	50	44	43	51	55	40	48	48	41	32	45	55	55	47	54	57	41	47	50	63	67	68	48	49	64	55			52.0
		MIN	34	45	31	28	28	25	25	31	30	28	28	21	16	16	29	34	34	27	27	31	23	25	36	42	35	27	27	29	35			29.2
SOLOMONS	08	MAX	65	69	53	47	45	41	51	55	41	44	43	40	32	46	53	53	47	52	52	40	46	57	61	65	59	45	48	63	51			50.5
		MIN	43	44	37	37	37	31	39	38	34	35	35	23	24	28	40	37	41	32	38	32	30	38	46	45	40	33	38	41	41			36.4
UPPER SOUTHERN 04																																		
BALTIMORE WASH INTL AP	24	MAX	70	57	50	45	45	53	55	40	45	46	41	32	48	55	54	45	53	57	44	49	49	63	65	54	45	49	64	56	53			51.1
		MIN	50	39	31	29	30	27	32	31	30	27	24	22	20	33	36	35	34	28	34	29	23	36	48	43	34	32	25	36	34			32.1
BELTSVILLE	08	MAX	64	68	56	50	45	44	53	54	41	44	46	43	30	47	53	52	46	51	57	43	47	49	61	64	54	44	48	63	56			50.8
		MIN	32	45	31	28	34	25	27	30	31	27	29	22	18	26	35	35	36	27	31	33	23	28	36	46	38	33	26	31	33			30.9
DALECARLIA RSVR	08	MAX	65	70	52	52	41	43	50	54	52	44	45	35	29	47	54	51	45	52	59	41	47	49	63	64	54	42	49	65	65			51.0
		MIN	33	45	31	30	35	26	33	33	31	28	31	21	21	24	37	36	35	31	31	32	25	34	37	47	36	35	30	30	38			32.3
LAUREL 3 W	24	MAX	68	63	50	43	43	51	58	52	44	44	39	29	47	52	53	44	51	56	50	47	47	61	65	54	45	46	62	55	50			50.7
		MIN	47	40	33	31	32	29	38	31	29	30	22	20	20	34	39	38	36	34	32	30	29	41	44	44	33	30	30	34	34			33.2
MARYLAND SCIENCE CENTER	24	MAX	71	59	51	47	46	56	56	44	47	49	43	34	49	56	55	48	54	59	48	49	52	65	66	57	47	51	67	57	53			53.0
		MIN	52	44	39	38	38	34	41	37	34	36	27	25	25	40	45	43	41	38	39	37	35	44	51	47	38	37	36	41	43			38.8
NATL ARBORETUM DC	07	MAX	66	71	60	57	47	47	52	57	46	49	46		33	51	56	56	49	53	60	45	53	52	64	68	58	48	51	65	60			54.3
		MIN	39	41	33	30	35	26	26	29	30	27	32		22	27	29	36	38	31	27	32	26	32	39	47	38	33	28	33	34			32.1
OXON HILL	08	MAX	65	69	58	51	45	44	52	55	42	46	47	42	30	48	54	54	46	54	58	41	50	51	63	66	57	47	49	65	57			51.9
		MIN	41	49	35	31	34	26	26	34	31	31	33	21	21	22	36	40	40	29	30	33	27	29	40	45	38	32	32	33	37			33.0
UPPER MARLBORO 3 NNW	08	MAX	66	71	55	53	44	43	53	55	41	46	48	41	32	48	56	55	46	53	57	43	48	50	63	66	55	46	49	64	58			51.9
		MIN	43	48	32	27	31	23	24	29	30	28	27	20	17	19	33	35	36	26	26	33	21	21	38	46	38	32	31	33	32			30.3
NORTHERN CENTRAL 06																																		
ABERDEEN PHILLIPS FLD	07	MAX	63	68	52	49	44	44	52	53	40	45	45	37	32	47	52	53	45	52	52	43	48	49	60	64	47	44	47	58	52			49.6
		MIN	30	45	27	27	31	24	24	32	30	23	25	19	19	23	32	34	36	28	29	33	26	26	39	44	37	33	28	29	37			30.0

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	
BRIGHTON DAM	08	MAX	63	61	61	46	42	40	50	51	34	41	44	38	30	44	51	50	44	50	55	42	44	47	60	62	62	62	45	61	51			49.3
		MIN	34	43	27	26	32	21	25	27	27	23	28	20	17	29	30	31	34	25	32	31	21	32	40	43	35	29	24	33	30			29.3
CONOWINGO DAM	07	MAX																																M
		MIN																																M
CYLBURN	08	MAX	63	66	52	47	43	41	51	52	38	42	43	37	40	44	52	50	42	49	54	43	45	46	60	61	49	43	54	61	52			49.0
		MIN	34	46	31	29	31	27	30	29	28	25	31	19	21	31	35	33	35	29	30	30	25	41	43	41	35	30	31	34	34			31.7
DAMASCUS 3 SSW	22	MAX	64	56	46	40	40	49	49	37	40	41	36	27	42	51	48	42	48	54	41	43	46	58	61	51	42	45	61	50	50			46.8
		MIN	49	39	28	32	30	27	34	29	26	27	22	18	20	32	36	36	36	30	31	29	27	38	44	41	31	29	31	33	37			31.8
EMMITSBURG 2 SE	07	MAX	63	63	51	48	41	42	51	52	35	42	42	38	30	45	49	49	43	50	56	42	47	47	59	62	50	41	45	61	52			48.1
		MIN	34	36	31	26	32	22	23	27	23	24	26	19	21	25	33	30	33	25	27	30	20	21	35	40	33	31	25	27	30			27.9
FREDERICK 2 NNE	07	MAX	65	65	53	50	42	43	52	54	36	45	42	39	30	46	51	51	43	52	59	43	48	49	60	62	53	42	48	64	52			49.6
		MIN	31	43	32	27	32	26	27	29	30	28	28	21	21	27	33	34	36	29	28	30	23	23	35	41	34	30	25	25	33			29.7
MILLERS 4 NE	18	MAX	64	56	47	40	41	49	50	41	41	40	36	28	43	51	49	41	49	54	49	45	45	59	60	52	47	46	61	55	45			47.7
		MIN	46	40	27	30	31	23	30	27	23	24	27	16	17	30	35	29	37	26	27	28	23	36	44	38	32	28	28	31	34			29.9
SMITHSBURG 2NW	08	MAX																																M
		MIN																																M
WESTMINSTER	07	MAX	65	65	50	47	42	41	51	51	35	42	41	36	29	44	51	51	43	50	57	47	49	47	62	62	50	42	48	64	55			48.9
		MIN	31	42	30	30	32	24	24	28	26	25	26	18	19	22	34	32	38	27	27	28	24	28	38	42	36	29	27	28	30			29.1
APPALACHIAN MOUNTAIN 07																																		
CUMBERLAND 2	18	MAX	67	60	53	54	39	43	54	55	34	46	41	37	28	46	45	50	42	52	57	44	51	51	60	62	57	37	49	65	59			49.6
		MIN	45	40	29	29	31	25	25	29	27	28	31	17	19	25	32	35	35	26	27	29	23	24	43	42	29	28	24	25	30			29.4
FROSTBURG 2	07	MAX	58	51	43	47	37	36	44	44	31	34	33	31	18	35	40	42	42	43	50	36	42	45	53	53	51	29	43	58	53			42.1
		MIN	43	38	25	25	28	22	23	25	20	20	25	9	10	15	27	30	32	25	22	21	21	25	35	38	23	20	20	23	23			24.6
WILLIAMSPORT	06	MAX	70	64	53	51	43	44	54	55	34	46	44	42	30	48		52	45	53	60	45	51	49	62	62	55	41	49	67	54			50.8
		MIN	27	37	29	27	31	25	24	27	27	25	25	21	20	26		33	35	26	26	27	23	22	32	40	36	32	25	24	32			28.0
ALLEGHENY PLATEAU 08																																		
OAKLAND 1 SE	07	MAX	58	48	45	49	38	37	45	46	32	32	26	27	18	33	41	42	46	41	48	34	43	49	54	52	60	26	43	56	55			42.2
		MIN	42	37	24	23	28	14	15	24	21	21	6	6	8	18	25	29	34	21	23	20	20	31	36	39	22	14	16	21	23			22.8
SAVAGE RIVER DAM	08	MAX	59	53	47	49	39	35	43	46	46	35	36	33	33	37	41	41	44	44	50	37	42	51	55	53	53	33	41	57	54			44.4
		MIN	34	36	29	27	29	22	22	27	26	26	29	13	13	22	29	31	31	24	25	26	22	24	35	40	29	22	22	24	26			26.4
SINES DEEP CREEK	07	MAX	55	49	42	45	38	35	41	43	34	31	32	29	16	32	37	49	42	40	46	35	40	48	52	51	60	28	40	55	51			41.2
		MIN	32	34	26	25	28	18	18	24	20	19	25	8	8	10	25	29	31	23	22	22	22	24	29	38	26	17	16	23	22			22.9
DELAWARE																																		
NORTHERN 01																																		
BEAR 2 SW	24	MAX	67	50	47	45	44	51	51	40	43	45	38	33	46	54	51	44	52	53	45	47	51	60	63	51	44	47	59	53	48			49.0
		MIN	50	39	26	25	26	22	26	28	25	22	26	20	24	30	29	28	28	28	28	25	22	41	45	43	36	27	23	36	30			29.6
WILMINGTON NEW CASTLE CO AP	24	MAX	67	50	47	45	45	52	52	40	43	45	38	32	45	51	51	43	52	53	46	48	49	60	63	51	45	47	60	53	45			48.9
		MIN	46	39	28	27	30	26	30	30	29	23	25	18	23	32	32	30	35	30	27	28	26	38	45	42	35	29	29	35	32			31.0
WILMINGTON PORTER RES	24	MAX	64	50	43	42	41	49	49	38	39	44	36	36	41	49	47	47	49	51	51	51	51	58	59	50	42	43	57	50	43			47.2
		MIN	46	38	31	31	29	28	33	31	29	28	24	17	22	33	37	32	32	31	31	31	29	29	29	40	34	30	33	34	34			31.2

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	
SOUTHERN 02																																		
DOVER	16	MAX	67	64	56	46	45	51	52	50	43	49	47	38	44	55	51	50	54	55	52	47	51	61	65	63	51	47	60	58	55			52.7
		MIN	49	40	31	27	30	26	32	29	30	31	26	19	21	33	34	31	36	29	30	32	27	43	43	45	35	29	31	36	33			32.3
LEWES	08	MAX																																M
		MIN																																M

MARYLAND AND DELAWARE
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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																															
	SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-		
SALISBURY 2N	SNOWFALL	-	-	-	-	-	-	-	-	-	-	-	0.8	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-	-	-		
SALISBURY FAA AP	SNOWFALL																															
SNOW HILL 4 N	SNOWFALL	-	-	-	-	-	-	-	-	-	-	-	1.0	-	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	-		
	SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-		
CENTRAL																																
EASTERN SHORE 02																																
ROYAL OAK 2 SSW	SNOWFALL											T	0.5								0.5											
	SN ON GND	-	-	-	-	-	-	-	-	-	-		T	T	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-		
LOWER SOUTHERN 03																																
MECHANICSVILLE 5 NE	SNOWFALL	-	-			-	-			-		T	0.2				-	-			1.0			-	-	-						
	SN ON GND	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	T	-	-	-	-	-	-	-	-	-		
SOLOMONS	SNOWFALL	-	-	-	-	-	-	-	-	-	-	-	0.2	-	-	-	-	-	-	-	0.5	-	-	-	-	-	-	-	-	-		
	SN ON GND	-	-	-	-	-	-	-	-	-	-	-	T	-	-	-	-	-	-	-	T	-	-	-	-	-	-	-	-	-		
UPPER SOUTHERN 04																																
BALTIMORE WASH INTL AP	SNOWFALL				T	T			T			0.5	T													T						
	SN ON GND											1	T																			
BELTSVILLE	SNOWFALL					0.5						T																				
	SN ON GND											T																				
DALECARLIA RSVR	SNOWFALL																															
	SN ON GND																															
	WTR EQUIV																															
LAUREL 3 W	SNOWFALL				T				-																							
	SN ON GND				T				-																							
MARYLAND SCIENCE CENTER	SNOWFALL																															
NATL ARBORETUM DC	SNOWFALL					-				T		-	-					-	-	-	-					-	-					
	SN ON GND	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	WTR EQUIV	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
OXON HILL	SNOWFALL						T			T		0.1	0.2								0.1						T					
	SN ON GND											T	T								T											
UPPER MARLBORO 3 NNW	SNOWFALL											0.3	0.3																			
	SN ON GND											T	T																			
NORTHERN CENTRAL 06																																
ABERDEEN PHILLIPS FLD	SNOWFALL									T		-	0.5																			
	SN ON GND											-	T																			
BRIGHTON DAM	SNOWFALL											2.2										-										
	SN ON GND											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)

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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
	WTR EQUIV											1.0										-										
CONOWINGO DAM	SNOWFALL												0.5																			
	SN ON GND																															
CYLBURN	SNOWFALL																															
DAMASCUS 3 SSW	SNOWFALL	-	-	-	1.4	0.2	-	-	1.0	-	T	2.2	0.7	-	-	-	-	-	-	-	-	-	-	-	-	T	-	-	-	-		
	SN ON GND	-	-	-	1	T		-	1	T	T	1	T	T		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
EMMITSBURG 2 SE	SNOWFALL					1.0				1.0		T	-																			
	SN ON GND												-																			
	WTR EQUIV												-																			
FREDERICK 2 NNE	SNOWFALL					0.5				1.2		0.5																				
	SN ON GND					1				1	-	1	-	-	-																	
MILLERS 4 NE	SNOWFALL				1.1	0.3			2.0	0.2	T	1.8	0.7													0.3						
	SN ON GND				1				2	T	T	1	T																			
	WTR EQUIV								0.2																							
SMITHSBURG 2NW	SNOWFALL																															
WESTMINSTER	SNOWFALL																															
	SN ON GND																															
APPALACHIAN MOUNTAIN 07																																
CUMBERLAND 2	SNOWFALL	-	-	-	-	0.7	T	-	-	T	-	T	T	-	-	-	-	-	-	-	-	-	-	-	-	0.3	-	-	-	-		
	SN ON GND	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
FROSTBURG 2	SNOWFALL		-	-	-	4.1	T			1.5		0.8	1.0	0.1		0.2			-	-	-	-	-	-	-	1.4	T			-		
	SN ON GND		-	-	-	4	3	2	1	2	2	2	3	3	1	T	T		-	-	-	-	-	-	-	1	T			-		
WILLIAMSPORT	SNOWFALL		-			0.5				-		0.5	-			-								-								
	SN ON GND		-			1				-			-			-								-								
	WTR EQUIV		-			0.5				-			-			-								-								
ALLEGHENY PLATEAU 08																																
OAKLAND 1 SE	SNOWFALL					2.2				2.0			9.2	2.0												2.0						
	SN ON GND					2				2			9	11	9											2						
SAVAGE RIVER DAM	SNOWFALL	-	-	-	-	2.0	1.0	-	-	1.0	-	1.0	-	1.0	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SINES DEEP CREEK	SNOWFALL	-	-	-	-	1.2		-	-	1.5	-	2.1	5.8	-	-	-	-	-	-	-	-	-	-	-	-	0.5	-	-	-	-		
	SN ON GND	-	-	-	-	1	1	-	-	2	1	3	8	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-		
DELAWARE NORTHERN 01																																
BEAR 2 SW	SNOWFALL								0.3	T		2.0																				
	SN ON GND								T			T																				
WILMINGTON NEW CASTLE CO AP	SNOWFALL								0.3	T	T	2.0																				
	SN ON GND											1	T																			
WILMINGTON PORTER RES	SNOWFALL	-	-	-	-	-	-	-	0.3	-	T	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	SN ON GND	-	-	-	-	-	-	-	T	-	T	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

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)

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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
SOUTHERN 02																																
DOVER	SNOWFALL	-	-	-	-	-	-	-	-	-	-	1.2		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	SN ON GND	-	-	-	-	-	-	-	-	-	-	1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LEWES	SNOWFALL																															

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)

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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
UPPER MARLBORO 3 NNW	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	24	24		H
BALTIMORE WASH 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	18	18		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 15	77 13W	700	22	22		H
EMMITSBURG 2 SE	2906	06	FREDERICK	39 41	77 17W	403	07	07		H
FREDERICK 2 NNE	3353	06	FREDERICK	39 26	77 24W	280	07	07		H
FROSTBURG 2	3415	07	ALLEGANY	39 40	78 56W	2170	07	07		H
LAUREL 3 W	5111	04	PRINCE GEORGE'S	39 5	76 54W	400	24	24		H
MARYLAND SCIENCE CENTER 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	07	07		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	08	08		H
PRINCESS ANNE	7330	01	SOMERSET	38 13	75 41W	20	17	17		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	8005	01	WICOMICO	38 20	75 31W	48	24	24		H
SAVAGE RIVER DAM	8065	08	GARRETT	39 31	79 8W	1495	08	08	08	CH
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
UPPER MARLBORO 3 NNW	9070	04	PRINCE GEORGE'S	38 51	76 46W	130	08	08	08	H
WESTMINSTER	9440	06	CARROLL	39 34	76 59W	750	07	07		H
WILLIAMSPORT	9570	07	WASHINGTON	39 36	77 50W	360	06	06		H
DELAWARE										
BEAR 2 SW	1200	01	NEW CASTLE	39 36	75 44W	80	24	24		H
DOVER	2730	02	KENT	39 15	75 31W	30	16	16		H
LEWES	5320	02	SUSSEX	38 47	75 8W	15	08	08		H
WILMINGTON NEW CASTLE CO AP R	9595	01	NEW CASTLE	39 40	75 36W	79	24	24		HJ
WILMINGTON PORTER RES	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 is 1981 to 2010. The normals for National Weather Service localities have been adjusted so as to be representative for the current observation site.

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 NCDC 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 Observation time near sunrise.
SS Observation time near sunset.

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 Climatic Data Center. Historical information of regular National Weather Service Offices may be obtained from the "Local Climatological Data" annual publication. The contents of this publication may be reprinted or otherwise used freely, with proper credit to the National Climatic Data Center. The data are also available digitally.

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. NCDC's Product Development Branch provides updated Station Maps for various data networks via the Historical Observing Metadata Repository: http://www.ncdc.noaa.gov/homr.

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

These and other publications are available from the National Climatic Data Center

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

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

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

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

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

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

For Information Call:

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