



CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

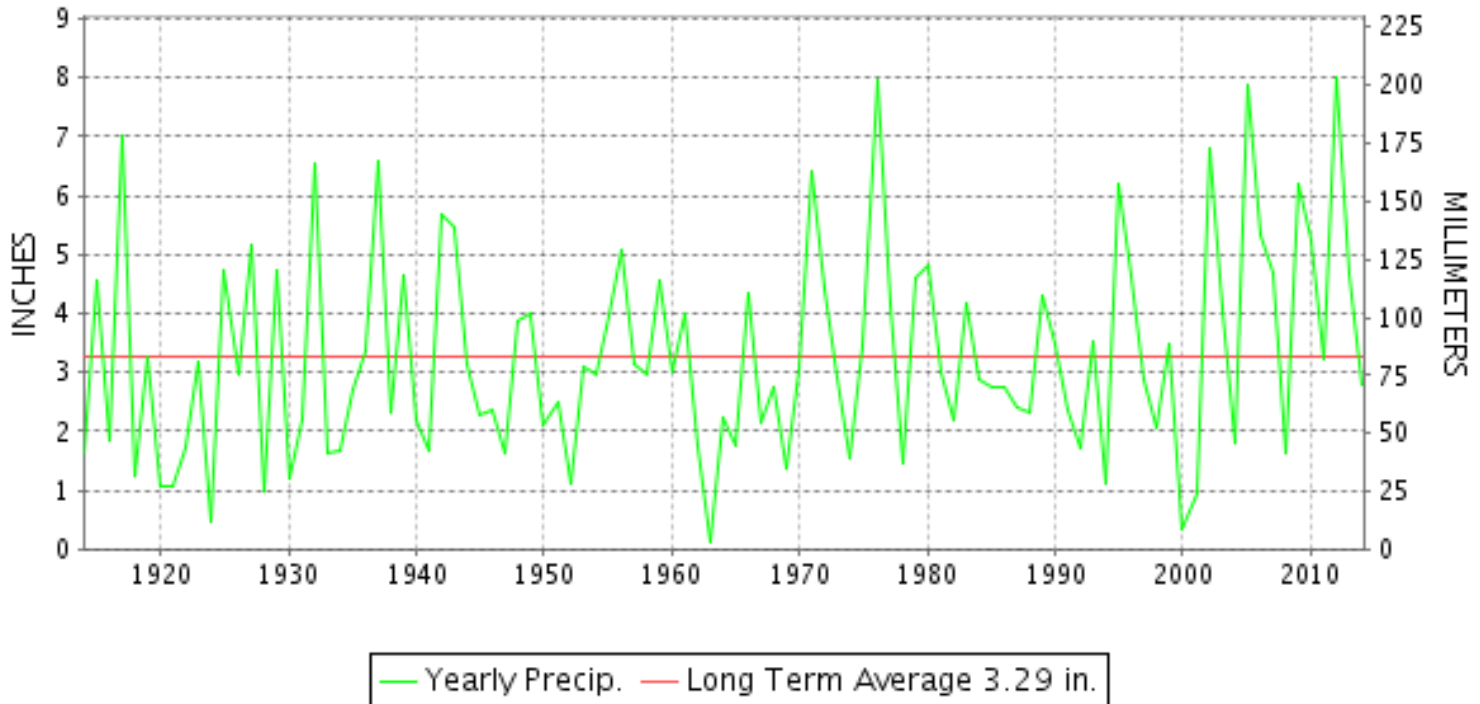
OCTOBER 2014

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OCTOBER PRECIPITATION BY YEAR



TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND

HIGHEST TEMPERATURE	84	OCTOBER 29	SHARPSBURG 5 S
LOWEST TEMPERATURE	29	OCTOBER 28++	2 STATIONS
GREATEST TOTAL PRECIPITATION	5.62		OAKLAND 1 SE
LEAST TOTAL PRECIPITATION	1.72		SALISBURY FAA AP
GREATEST 1 DAY PRECIPITATION	2.00	OCTOBER 23	CYLBURN

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DELAWARE

HIGHEST TEMPERATURE	81	OCTOBER 28	DOVER
LOWEST TEMPERATURE	35	OCTOBER 20	DOVER
GREATEST TOTAL PRECIPITATION	2.81		DOVER
LEAST TOTAL PRECIPITATION	2.24		WILMINGTON PORTER RES
GREATEST 1 DAY PRECIPITATION	1.15	OCTOBER 16	DOVER

MONTHLY STATION AND DIVISION SUMMARY

STATION	TEMPERATURE (°F)											PRECIPITATION (IN)																									
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEG. DAYS	COOLING DEG. DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST 24 HOURS	DATE	ICE PELLETS, SNOW			NO. OF DAYS															
											MAX		MIN						TOTAL	MAX DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE													
											>=90	<=32	<=32	<=0																							
MARYLAND SOUTHERN EASTERN SHORE 01	M	M	M								0	0	0	0	M				0.0																		
ASSATEAGUE	74.8M	53.5M	64.2M	6.4	83	28+	35	20	81E	61E	0	0	0	0	M 2.18	-1.12	0.80	15	0.0					5	1	0											
PRINCESS ANNE	71.6M	50.2	60.9M	6.4	80	14	36	20	142E	31E	0	0	0	0	3.43		1.14	16	0.0					7	2	1											
SALISBURY 2N	72.2	51.3	61.8	4.6	83	14	34	20	127	33	0	0	0	0	1.72	-1.77	0.79	15	0.0	0				4	1	0											
SALISBURY FAA AP	73.3	49.5	61.4	2.3	82	28	31	20	143	39	0	0	1	0	2.02	-1.51	0.57	11	0.0					7	2	0											
SNOW HILL 4 N			62.1	3.8B											2.39	-0.98B																					
--DIVISIONAL DATA----->																																					
CENTRAL EASTERN SHORE 02																																					
ROYAL OAK 2 SSW	69.2	51.4	60.3	0.7	80	14	36	20	164	26	0	0	0	0	3.08	-0.64	0.77	15	0.0	0				6	3	0											
--DIVISIONAL DATA----->			60.3	2.1B											3.08	-0.16B																					
LOWER SOUTHERN 03																																					
MECHANICSVILLE 5 NE	67.5	47.6	57.6	2.0	79	29	35	31+	233	8	0	0	0	0	4.08	0.38	1.51	16	0.0					7	2	2											
SOLOMONS	72.1M	56.8M	64.5M	3.1	83	29	46	31+	71E	62E	0	0	0	0	A 2.67		1.15	16	0.0					3	2	1											
--DIVISIONAL DATA----->			61.1	4.2B											3.38	-0.10B																					
UPPER SOUTHERN 04																																					
BALTIMORE WASH INTL AP	67.7	48.7	58.2	2.1	80	28	35	20	215	12	0	0	0	0	4.16	0.83	1.23	15	0.0	0				6	4	1											
BELTSVILLE	68.3	49.2	58.8	2.4	80	29	35	27	202	17	0	0	0	0	4.06	0.39	1.23	16	0.0	0				7	2	2											
DALECARLIA RSVR	68.7M	49.7M	59.2M	1.4	81	29	38	28+	195E	25E	0	0	0	0	M 4.25	0.41	1.45	22+	M 0.0	0				7	2	2											
LAUREL 3 W	67.9	51.8	59.9	1.8	80	28	40	20+	174	22	0	0	0	0	4.03	0.05	1.12	15	0.0					7	4	1											
MARYLAND SCIENCE CENTER	67.5	54.0	60.8	0.7	77	14	43	20	146	21	0	0	0	0	3.71	0.66	0.99	15	0.0					5	4	0											
NATL ARBORETUM DC	70.5	51.7	61.1	2.6	82	29	39	27+	149	36	0	0	0	0	3.96	0.17	1.26	16	M 0.0	0				8	3	1											
OXON HILL	68.9	49.8	59.4	1.5	80	29	39	21+	193	23	0	0	0	0	3.45	-0.27	1.22	16	0.0					7	2	1											
UPPER MARLBORO 3 NNW	69.6	47.5	58.6	2.2	82	29	34	20	212	21	0	0	0	0	3.34	-0.26	1.19	16	0.0					8	1	1											
--DIVISIONAL DATA----->			59.5	3.1B											3.82	0.34B																					
NORTHERN CENTRAL 06																																					
ABERDEEN PHILLIPS FLD	68.1	47.4	57.7	1.3	79	15	36	20	232	14	0	0	0	0	3.24	-0.52	1.15	22	0.0	0				6	2	1											
BRIGHTON DAM	66.4	47.3	56.9		80	30+	34	27+	258	9	0	0	0	0	4.21		1.35	16	0.0	0				10	2	1											
CONOWINGO DAM	65.0	46.6	55.8	-1.1	74	15+	33	05	280	1	0	0	0	0	3.18	-0.94	1.77	15	0.0					5	1	1											
CYLBURN	65.7	49.3	57.5	2.0	76	15	37	20	237	10	0	0	0	0	M 4.88		2.00	23	0.0					7	2	2											
DAMASCUS 3 SSW	64.2	48.6	56.4	1.6	82	28	36	05	265	6	0	0	0	0	2.99	-0.73	1.24	15	0.0	0				6	2	1											
EMMITSBURG 2 SE	66.4	45.5	56.0	2.0	80	29	33	21	279	6	0	0	0	0	4.60	1.22	1.67	16	0.0	0				8	3	1											
FREDERICK 2 NNE	M	M	M								0	0	0	0	M		0.0																				
MILLERS 4 NE	65.3	47.6	56.5	2.3	81	28	33	20	261	4	0	0	0	0	4.09	0.34	1.00	15	0.0	0				6	3	1											
SMITHSBURG 2NW	M	M	M								0	0	0	0	M		0.0																				
--DIVISIONAL DATA----->			56.7	1.4B											3.72	0.21B																					

MONTHLY STATION AND DIVISION SUMMARY

STATION	TEMPERATURE (°F)											PRECIPITATION (IN)												
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEG. DAYS	COOLING DEG. DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST 24 HOURS	DATE	ICE PELLETS, SNOW			NO. OF DAYS		
											MAX		MIN						TOTAL	MAX DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
											>=90	<=32	<=32	<=0										
APPALACHIAN MOUNTAIN 07																								
CUMBERLAND 2	66.9	46.6	56.7	0.7	83	01	37	28+	262	13	0	0	0	0	3.75	1.18	1.24	15	0.0			8	2	1
FROSTBURG 2	59.8	43.5	51.6	1.6	77	01	35	20+	408	0	0	0	0	0	4.40	1.36	1.11	15	0.0			9	3	1
SHARPSBURG 5 S WILLIAMSPORT	67.0 M	44.3 M	55.6 M	1.0	84	29	33	28+	296	11	0	0	0	0	3.93 M	0.52	1.93	16	0.0 M 0.0	0		7	2	1
--DIVISIONAL DATA----->			54.6	1.9B																				
ALLEGHENY PLATEAU 08																								
OAKLAND 1 SE	59.9	40.5	50.2	0.8	76	01	29	28+	451	0	0	0	4	0	5.62	2.47	1.31	15	0.0	0		11	4	1
SAVAGE RIVER DAM	61.0M	44.1M	52.6M	1.8	77	01	34	28	377E	0	0	0	0	0	M 4.18	1.52	1.28	15	0.0			9	4	1
SINES DEEP CREEK	60.8M	40.5M	50.7M		72	29+	29	28	440E	0	0	0	4	0	MA 4.93		1.28	15	0.0			7	3	1
--DIVISIONAL DATA----->			51.2	2.0B																				
DELAWARE NORTHERN 01																								
WILMINGTON NEW CASTLE CO AP	67.5	49.1	58.3	2.1	78	14	36	31+	217	18	0	0	0	0	2.79	-0.63	0.52	22	M 0.0	0		7	1	0
WILMINGTON PORTER RES	64.7	50.0	57.3	1.5	77	14	38	20	239	11	0	0	0	0	2.24	-1.57	0.65	04	0.0	0		5	2	0
--DIVISIONAL DATA----->			57.8	2.0B																				
SOUTHERN 02																								
DOVER	69.3	51.3	60.3	1.6	81	28	35	20	158	21	0	0	0	0	A 2.81	-0.61	1.15	16	0.0	0		5	2	1
--DIVISIONAL DATA----->			60.3	3.0B																				

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 2.18				0.19	-		0.02			0.49	-	-	0.49		0.80						0.16													0.03	
SALISBURY 2N	3.43				0.15	0.02			0.07	0.01	0.20	0.56	0.02	0.29	0.03	0.45	1.14						0.48	0.01												
SALISBURY FAA AP	1.72			T	0.09			0.02		T	0.47	0.12		0.06		0.79	0.01					0.16	T	T				T		T						
SNOW HILL 4 N	2.02				0.18						0.26	0.10	0.57		T	0.10	0.54					T	0.23	T									0.04			
CENTRAL																																				
EASTERN SHORE 02																																				
ROYAL OAK 2 SSW	3.08	T			0.12			0.02	0.45		0.03	0.50		0.09		0.77	0.30							0.75	0.05						T		T			
LOWER SOUTHERN 03																																				
MECHANICSVILLE 5 NE	4.08		0.03		0.13			0.01	1.15		T	0.49	0.25	0.03	0.09		1.51					0.01	0.14	0.22										0.02		
SOLOMONS	A 2.67				0.10				0.05			*	*	0.60 _a	0.01	0.06	1.15	*	*	*	0.00 _a		0.61	0.08			*	*	0.00 _a					0.01		
UPPER SOUTHERN 04																																				
BALTIMORE WASH INTL AP	4.16			0.12	0.08		T	0.54		T	T	0.43	T	0.04		1.23	T					T	0.72	0.95								0.05				
BELTSVILLE	4.06	0.02			0.20				0.47			0.45	0.01		0.10	0.01	1.23					0.02	1.02	0.47									0.06			
DALECARLIA RSVR	M 4.25	0.05			0.15		-		0.33			0.45			0.16		1.45	0.04						1.45	0.12									0.05		
LAUREL 3 W	4.03	0.02		0.12	0.10			0.44		0.02	0.01	0.51		0.06		1.12	0.03						0.52	0.99	0.03							0.06				
MARYLAND SCIENCE CENTER	3.71			0.05	0.07			0.16				0.54		0.05		0.99							0.86	0.94								0.05				
NATL ARBORETUM DC	3.96	0.36	T		0.23			0.21				0.51	0.04		0.10		1.26	T		T			0.03	0.76	0.42								0.04			
OXON HILL	3.45	0.03	0.03		0.20	T		T	0.21		T	0.39	0.14		0.07		1.22	0.02					0.01	0.37	0.75								0.01			
UPPER MARLBORO 3 NNW	3.34	0.07			0.35			0.02	0.22			0.30	0.23		0.12		1.19						0.01	0.36	0.47											
NORTHERN CENTRAL 06																																				
ABERDEEN PHILLIPS FLD	3.24	0.02			0.15			0.02	0.30			0.40		0.06		T	0.60	T					0.02	1.15	0.46								0.06			
BRIGHTON DAM	4.21	0.40			0.25			0.01	0.35	T		0.40	0.03		0.20	0.10	1.35						0.75	0.25										0.12		
CONOWINGO DAM	3.18			0.23				0.45				0.28				1.77							0.45													
CYLBURN	M 4.88	0.14			0.40				0.33			0.35				0.19	1.33	0.03					0.02	-	2.00									0.09		
DAMASCUS 3 SSW	2.99	0.09		0.20							0.02	0.30	T	0.07	0.20	1.24	0.04					0.03	0.03	0.67								0.10				
EMMITSBURG 2 SE	4.60	0.45		0.01	0.76			0.01	0.22			0.52			0.05	0.45	1.67	0.01	T			0.04	0.17	0.03									0.21			
FREDERICK 2 NNE	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MILLERS 4 NE	4.09	0.43			0.96			T	0.08		0.02	0.49		0.04	0.02	1.00	0.11	0.04	T				0.07	0.75	T							0.08				
SMITHSBURG 2NW	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
APPALACHIAN																																				
MOUNTAIN 07																																				
CUMBERLAND 2	3.75	0.07			0.18			0.26	0.50			0.43			0.06	1.24	0.27	T					0.05	0.42								0.23	0.04			
FROSTBURG 2	4.40	0.07		0.26	0.02		0.38	0.61			0.63	0.05	0.01	0.23	1.11	0.22	0.05			0.11	0.02	0.04	0.44	0.01							0.09	0.05				
SHARPSBURG 5 S	3.93	0.37		0.40			0.03	0.06			0.51	0.04	0.01	0.01	0.11	1.93	T					0.05	0.26	0.04									0.11			
WILLIAMSPORT	M	0.36			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ALLEGHENY PLATEAU 08																																				
OAKLAND 1 SE	5.62	0.36	0.02		0.30	0.09	0.01	0.47	0.78		0.02	0.68	0.02	0.03	0.23	1.31	0.06	0.18			0.15		0.01	0.60	0.04	0.02						0.21	0.02	0.01		
SAVAGE RIVER DAM	M 4.18	0.36		-	0.12			0.27	0.67			0.50	T		0.17	1.28	0.10	T			0.03		T	0.62									0.06			

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	MA 4.93	0.37			*	*	*	1.00 _a	0.70			-	-	-	0.22	1.28	0.07	0.10	*	*	0.18 _a	0.04	0.70	0.05			*	0.00 _a		0.22		
DELAWARE NORTHERN 01																																
WILMINGTON NEW CASTLE CO AP	2.79			0.11	0.42		0.36			T	0.43		0.08		0.38	0.41						T	0.52	0.02						0.06		
WILMINGTON PORTER RES	2.24				0.65		T	0.25		T	0.49				0.25							0.02	0.50	0.08					T			
SOUTHERN 02																																
DOVER	A 2.81	T			0.21			0.17		T	*	*	*	0.60 _a	0.14	1.15							0.50	0.04							T	

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	74	70	71	67	66	60	69	65	72	67	60	66	75	75	63	70	66	56	64	66	55	61	65	69	66	68	80	80	55	66.4			
		MIN	60	54	56	60	35	39	51	53	44	47	50	45	50	56	66	57	50	50	48	34	34	50	50	49	39	43	34	36	48	38	41	47.3	
CONOWINGO DAM	07	MAX	72	70	69	66	59	70	68	71	68	58	56	62	64	74	74	64	70	68	54	61	64	64	58	65	68	68	65	69	64	56	65.0		
		MIN	56	54	54	39	33	42	56	46	45	50	45	43	54	54	58	52	52	49	36	36	49	49	53	44	43	38	38	47	44	42	43	46.6	
CYLBURN	08	MAX	75	75	69	68	65	60	70	66	72	68	57	55	60	66	76	74	63	71	67	55	65	64	52	60	64	68	65	69	75	65	57	65.7	
		MIN	59	56	57	59	39	41	50	54	48	49	50	45	47	58	65	57	55	55	47	37	41	48	51	51	46	46	39	44	48	41	44	49.3	
DAMASCUS 3 SSW	22	MAX	67	69	65	63	58	70	64	72	67	58	55	60	61	75	70	63	70	66	55	63	64	53	61	64	68	66	68	82	68	55	51	64.2	
		MIN	58	55	59	44	36	42	56	50	44	52	48	44	53	60	60	55	50	49	44	37	46	49	49	46	49	39	53	47	42	43	48.6		
EMMITSBURG 2 SE	07	MAX	75	70	72	66	65	59	72	67	72	70	57	57	62	66	76	72	66	70	64	57	61	66	56	63	67	70	67	70	80	68	56	66.4	
		MIN	59	56	51	55	35	35	35	53	46	44	50	45	44	54	61	57	53	52	45	34	33	46	46	49	40	40	37	35	47	37	37	45.5	
FREDERICK 2 NNE	07	MAX																																M	
		MIN																																	M
MILLERS 4 NE	18	MAX	70	70	70	66	58	71	66	71	67	62	56	63	59	75	72	66	70	65	56	63	66	58	59	66	68	66	68	81	69	55	53	65.3	
		MIN	56	51	56	55	34	37	54	53	42	47	47	41	52	59	61	52	49	52	44	33	44	49	48	50	44	48	37	49	52	39	42	47.6	
SMITHSBURG 2NW	08	MAX																																	M
		MIN																																	M
APPALACHIAN MOUNTAIN 07																																			
CUMBERLAND 2	18	MAX	83	75	78	76	59	60	74	67	73	66	57	61	60	69	75	58	68	75	59	59	56	64	55	66	64	73	67	77	81	65	53	66.9	
		MIN	54	57	58	59	42	39	41	51	41	41	52	45	46	54	56	54	50	56	44	37	37	46	48	49	38	39	37	37	47	47	43	46.6	
FROSTBURG 2	07	MAX	77	69	73	70	51	53	68	62	65	63	51	51	50	59	66	58	62	69	51	51	53	55	46	56	64	59	71	75	56	45	59.8		
		MIN	53	55	54	51	37	37	40	46	38	38	47	38	43	49	53	45	50	50	35	35	37	43	41	42	44	42	38	40	47	40	39	43.5	
SHARPSBURG 5 S	07	MAX	75	72	75	69	63	61	72	64	74	69	59	58	61	68	78	72	67	73	65	58	63	63	55	63	68	72	68	72	84	60	56	67.0	
		MIN	54	54	55	59	33	33	38	50	40	40	49	44	43	54	68	52	48	47	45	34	34	43	45	46	37	37	33	33	51	38	35	44.3	
WILLIAMSPORT	06	MAX																																	M
		MIN																																	M
ALLEGHENY PLATEAU 08																																			
OAKLAND 1 SE	07	MAX	76	67	74	74	47	50	68	64	62	60	57	54	52	71	71	63	58	67	50	51	53	51	46	50	56	61	61	73	73	53	44	59.9	
		MIN	46	47	47	47	37	34	41	45	37	36	49	37	41	41	53	48	49	48	35	32	32	43	40	40	34	34	29	29	48	39	37	40.5	
SAVAGE RIVER DAM	08	MAX	77	68		74	54	54	66	63	66	64	53	54	52	63	71	60	63	68	55	53	57	55	49	56	58	64	61	72	74	57	49	61.0	
		MIN	52	55		54	43	37	39	47	40	39	50	41	42	51	55	50	50	53	40	35	35	46	45	45	38	39	35	34	48	44	42	44.1	
SINES DEEP CREEK	07	MAX	71	67	71				64	64	62	62				65	72	61	58			65	53	50	45	52	54		60	70	72	54	45	60.8	
		MIN	46	49	47				37	44	36	35				47	53	49	50			31	31	43	41	38	33		30	29	44	40	39	40.5	
DELAWARE NORTHERN 01																																			
WILMINGTON NEW CASTLE CO AP	24	MAX	76	70	72	71	62	73	71	75	70	61	56	64	65	78	75	70	71	73	56	63	71	57	58	70	70	67	69	73	71	60	55	67.5	
		MIN	59	55	54	45	39	41	62	55	49	50	50	44	57	64	68	58	55	51	39	36	48	52	51	51	41	45	38	45	44	39	36	49.1	
WILMINGTON PORTER RES	24	MAX	71	67	69	68	56	70	70	71	68	58	58	61	64	77	74	69	70	68	52	61	67	57	55	65	67	63	63	72	66	57	52	64.7	
		MIN	58	56	55	47	39	44	60	57	47	49	49	45	54	62	68	57	54	51	41	38	49	51	48	52	44	51	42	47	49	44	41	50.0	
SOUTHERN 02																																			
DOVER	16	MAX	74	72	72	72	63	73	74	75	73	69	60	65	65	80	78	71	72	72	57	66	72	69	59	68	69	68	69	81	73	62	56	69.3	

MARYLAND AND DELAWARE
201410

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	
		MIN	60	56	55	51	40	45	58	60	50	54	53	45	53	63	66	58	54	57	50	35	52	54	49	52	46	50	37	49	58	43	38	51.3

MARYLAND AND DELAWARE
201410

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																																
SALISBURY 2N	SNOWFALL																																
SALISBURY FAA AP	SNOWFALL																																
	SN ON GND																																
SNOW HILL 4 N	SNOWFALL																																
DELAWARE																																	
NORTHERN 01																																	
WILMINGTON NEW CASTLE CO AP	SNOWFALL				-																												
	SN ON GND																																
WILMINGTON PORTER RES	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	31	22	20	68	76	36	107	53	59	37	35	26	24	12	101	47	28	48	97	60	48	52	120	84	68	45	58	25	44	33	42	1606
	EVAP	0.11	0.06	0.08	0.03	0.23	0.11	0.19	0.07	0.16	0.14	0.01	0.00	0.08	0.00	0.09	0.18	0.04	0.14	0.19	0.18	0.10	0.16	0.07	0.12	0.17	0.14	0.21	0.11	0.12	0.05	0.12	3.46
	MAX	75	75	77	69	66	69	73	70	76	72	64	59	66	63	80	78	68	76	72	64	66	71	57	62	69	71	69	70	76	68	62	69.7
	MIN	66	60	60	63	42	43	47	58	52	52	58	51	51	60	64	62	57	56	51	44	44	54	52	52	50	49	46	46	50	48	48	52.8
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 hundredths 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
ASSATEAGUE	0335	01	WORCESTER	38 4	75 13W	10	VAR	VAR		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 16	77 14W	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
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
UPPER MARLBORO 3 NNW	9070	04	PRINCE GEORGE'S	38 51	76 46W	130	08	08	08	H
WILLIAMSPORT	9570	07	WASHINGTON	39 37	77 51W	360	06	06		H
DELAWARE										
DOVER	2730	02	KENT	39 9	75 30W	30	16	16		H
MILTON 1SE	6104	02	SUSSEX	38 46	75 17W	33	07	07		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 / 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 1981-2010 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, 1615-1633. 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.

Processing Updates and Errata: The CD Publications are periodically reproduced to include the addition of late reports and reported corrections. The GHCND data version noted on the cover of the publication provides the generation date.

The climate division temperature and precipitation values in this publication are based on simple averages from the current set of NWS-Designated Open and Published COOP and First Order Sites within each division. These values differ from those found in NCDC's nClimDiv product. Beginning in February 2014, the nClimDiv product is used by NCDC's Climate 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>.

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 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:

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