



# CLIMATOLOGICAL DATA

## MARYLAND AND DELAWARE

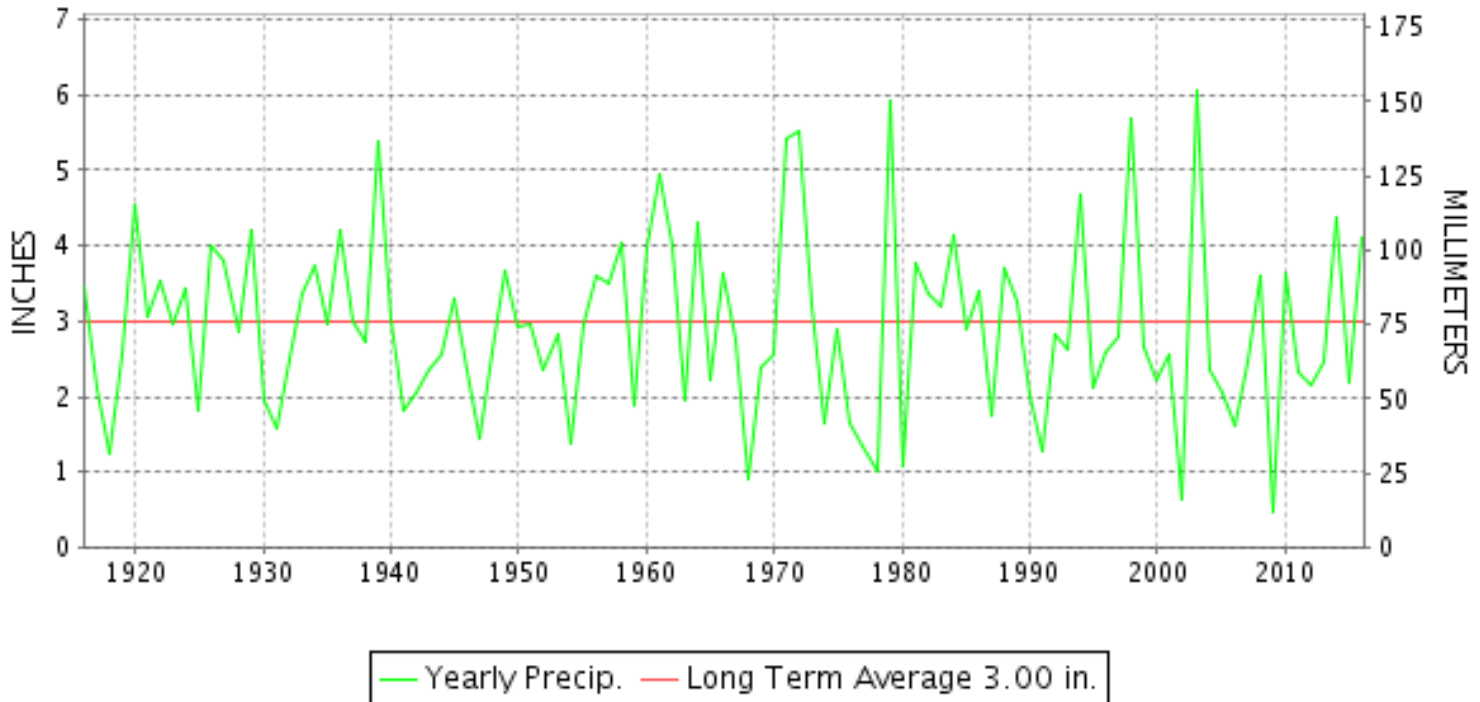
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### FEBRUARY PRECIPITATION BY YEAR



#### TEMPERATURE AND PRECIPITATION EXTREMES

##### MARYLAND

HIGHEST TEMPERATURE	71	FEBRUARY 29+	CUMBERLAND 2
LOWEST TEMPERATURE	-8	FEBRUARY 12	OAKLAND 1 SE
GREATEST TOTAL PRECIPITATION	5.70		BALTIMORE WASH INTL AP
LEAST TOTAL PRECIPITATION	1.87		SAVAGE RIVER DAM
GREATEST 1 DAY PRECIPITATION	2.61	FEBRUARY 24	BALTIMORE WASH INTL AP
GREATEST TOTAL SNOWFALL	17.1		OAKLAND 1 SE
GREATEST DEPTH OF SNOW OR ICE	12		2 STATIONS

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**DELAWARE**

HIGHEST TEMPERATURE	68
LOWEST TEMPERATURE	8
GREATEST TOTAL PRECIPITATION	4.80
LEAST TOTAL PRECIPITATION	3.95
GREATEST 1 DAY PRECIPITATION	1.39
GREATEST TOTAL SNOWFALL	5.8
GREATEST DEPTH OF SNOW OR ICE	2

FEBRUARY 03  
FEBRUARY 14+

FEBRUARY 24

DOVER  
2 STATIONS  
WILMINGTON PORTER RSCH  
DOVER  
WILMINGTON NEW CASTLE CO AP  
WILMINGTON NEW CASTLE CO AP  
2 STATIONS



## 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										
FREDERICK 2 NNE	M	M	M							0	0	0	0	M				M						
MILLERS 4 NE	42.4	26.4	34.4	1.2	63	28+	0	14	878	0	0	7	20	1	4.92	1.73	1.19	03	10.0	9	01	8	4	2
SMITHSBURG 2NW	41.4M	22.4M	31.9M	-0.7	64	21	1	15+	953E	0	0	4	23	0	M 4.95	2.21	1.30	25	M			7	4	3
--DIVISIONAL DATA----->			34.6	0.6B											4.42	1.50B								
APPALACHIAN MOUNTAIN 07																								
CUMBERLAND 2	43.2	25.4	34.3	-0.5	71	29+	7	15+	882	0	0	6	22	0	2.37	0.00	0.63	16	M	6	01	8	1	0
FROSTBURG 2	38.0	22.1	30.0	1.4	62	29	-2	15	1009	0	0	10	23	3	2.43	-0.69	0.72	16	M 7.4	6	01	7	1	0
SHARPSBURG 5 S	M	M	M									0	0	0	M				M					
WILLIAMSPORT															M				M	0				
--DIVISIONAL DATA----->			32.2	0.1B											2.40	-0.22B								
ALLEGHENY PLATEAU 08																								
OAKLAND 1 SE	39.8	20.9	30.4	2.6	64	21	-8	12	999	0	0	9	25	2	2.53	-0.67	0.75	16	17.1	12	15	8	1	0
SAVAGE RIVER DAM	38.0	22.7	30.4	0.5	61	21	2	12	996	0	0	8	24	0	1.87	-0.56	0.64	16	M	9	01	5	1	0
SINES DEEP CREEK	M	M	M		58	22	-5	15+	1036E	0	0	7	18	2	MA 3.20	0.75		16	M	10	12	7	1	0
--DIVISIONAL DATA----->			30.4	1.9B											2.20	-0.89B								
DELAWARE NORTHERN 01																								
WILMINGTON NEW CASTLE CO AP	45.1	28.0	36.5	1.4	64	29+	8	14	818	0	0	4	19	0	4.43	1.75	1.39	24	5.8	2	10	9	3	1
WILMINGTON PORTER RSCH	40.5M	25.2M	32.9M	-1.7	61	04+	8	14	924E	0	0	5	16	0	4.80	1.81	1.23	24	3.7	1	15	8	4	1
--DIVISIONAL DATA----->			34.7	0.4B											4.62	1.78B								
SOUTHERN 02																								
DOVER	48.1	30.7	39.4	1.4	68	03	9	14	735	0	0	4	16	0	A 3.95	0.88	0.68	05	3.5	2	15	8	1	0
FRANKFORD															M				M					
--DIVISIONAL DATA----->			39.4	3.0B											3.95	0.77B								

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			
<b>MARYLAND</b>																																			
<b>SOUTHERN</b>																																			
<b>EASTERN SHORE 01</b>																																			
ASSATEAGUE	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
PRINCESS ANNE	M	0.34			0.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
SALISBURY 2N	M	4.03	0.03	-	0.48	0.52	0.01			0.25	0.07					0.17	1.30						0.02	0.24	0.17	0.77									
SALISBURY FAA AP		3.64	0.02	0.30	0.48	0.56			0.01	0.14	0.02	0.01	T		0.70	0.74					0.02	0.01	0.21	0.42						T					
SNOW HILL 4 N		5.65		0.23	T	0.62	1.15			0.08	1.50	T		T	0.49	0.76						0.12	0.35	0.10	0.25					T					
<b>CENTRAL</b>																																			
<b>EASTERN SHORE 02</b>																																			
ROYAL OAK 2 SSW		4.83		0.04	0.37	0.15	0.60				0.15	0.01		T	T		0.49	0.86				0.03		0.46	0.28	1.39									
<b>LOWER SOUTHERN 03</b>																																			
MECHANICSVILLE 5 NE		3.56		0.01		0.54	0.21	T		T	0.10	0.10	T			0.30	0.37	0.59				0.04	0.02	0.74	0.54	T									
SOLOMONS	MA	2.68			0.65	-	T		T	T	T			T	-	0.83					*	*	0.06 <sub>a</sub>	0.28	0.15	0.71	*	*	0.00 <sub>a</sub>	-					
<b>UPPER SOUTHERN 04</b>																																			
BALTIMORE WASH INTL AP		5.70	0.17		0.57	0.02	0.12			0.04	0.35	T		T	T		0.38	0.77				0.06		0.60	2.61	0.01									
BELTSVILLE		4.08		0.17	0.01	0.67	0.03				0.20	0.08				0.10	0.37	0.56					0.05	0.17	0.48	1.19									
DALECARLIA RSVR	M	5.09		0.20	0.08	0.67	-			-	0.18	0.20				0.15	0.60	-					0.62	0.18	0.48	1.73									
MARYLAND SCIENCE CENTER		5.32	0.15		0.54	0.01	0.09			0.03	0.34					0.32	0.76					0.02		0.57	2.49										
NATL ARBORETUM DC	M	3.95		-	T	0.58	0.04				0.12	0.07		0.02		0.15	0.38	0.72					0.07	0.14	0.53	1.13									
OXON HILL		4.49		0.10		0.53	0.09	T			0.11	0.08			T	0.15	0.41	0.81					0.11	0.08	0.53	1.49	T								
UPPER MARLBORO 3 NNW		3.10		0.08		0.49	0.10	0.08			0.08	0.14			T	0.12	0.31	0.54					0.10	0.15	0.42	0.49									
<b>NORTHERN</b>																																			
<b>EASTERN SHORE 05</b>																																			
STEVENSVILLE 2SW		3.46		0.09	0.01	0.58	0.28				0.07	0.14				0.04	0.10	0.88					0.13		0.50	0.64									
SUDLERSVILLE 1S		4.36	0.10		0.41		0.70			T	0.43	0.05		T		0.10	0.85					0.10	0.40		1.22										
<b>NORTHERN CENTRAL 06</b>																																			
ABERDEEN PHILLIPS FLD	A	4.15		0.12	0.01	0.70	0.14				0.07	0.14				*	0.32 <sub>a</sub>	0.79					0.01	T	0.53	1.32	T								
BRIGHTON DAM	M	4.27		0.11	0.14	1.00	T								-	-	0.15								1.05	1.82									
CONOWINGO DAM	M	3.86		0.10		0.75						0.30					0.32								0.64	1.75							-		
CYLBURN	MA	3.84	-	0.07	0.02	0.67	T	T			0.19	0.14			-	*	*	*	1.24 <sub>a</sub>					0.09	0.37	1.05									
DAMASCUS 3 SSW		4.30	0.15		1.11		0.01			T	0.51	T	T	0.01	0.01		0.29	0.78				0.07		0.32	1.04	T									
EMMITSBURG 2 SE		4.32		0.10	0.05	1.04	T				0.03	0.35	T			T	T	1.22					T	0.37	1.16										
FREDERICK 2 NNE	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MILLERS 4 NE		4.92	0.12	0.01	1.19	0.06	T				0.52	0.09	T	T	0.03		0.23	1.09					0.03	0.07	0.32	0.70	0.46	T				T			
SMITHSBURG 2NW	M	4.95		0.67	0.13	1.10					0.05						0.35	1.15						0.05	0.15	1.30									
<b>APPALACHIAN</b>																																			
<b>MOUNTAIN 07</b>																																			
CUMBERLAND 2		2.37		0.01	0.38	0.28					0.10	0.01	T		0.05	T	T	0.63	0.26	T			0.28	0.03	0.10	0.24	T		T						
FROSTBURG 2		2.43	T		0.31	0.23	T	T			0.04	0.08	0.03		0.07	T	T	0.04	0.72	0.13	T		0.18	0.02	0.14	0.39	0.03	0.01			0.01				
SHARPSBURG 5 S	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WILLIAMSPORT	M	-	-	0.03	-	-	-	-	-	-	-	-	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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	
<b>ALLEGHENY PLATEAU 08</b>																																	
OAKLAND 1 SE	2.53			0.24	0.15	0.05				0.22	0.28	0.05		0.22	0.02	0.08	0.75		0.17					0.05	0.02		0.20				0.03		
SAVAGE RIVER DAM	1.87			0.15	0.27					T	T		0.08		T	0.64	0.15	T				0.09	0.05	0.44	T				T				
SINES DEEP CREEK	MA 3.20	0.00 <sub>q</sub>	0.05	0.20	0.30	T	*	*	*	0.20 <sub>a</sub>	0.25	0.05	0.03	*	*	0.25 <sub>a</sub>	0.75	0.25	-		*	*	0.10 <sub>a</sub>	0.02	0.40	0.30	*	*	0.05 <sub>a</sub>				
<b>DELAWARE</b>																																	
<b>NORTHERN 01</b>																																	
WILMINGTON NEW CASTLE CO AP	4.43	0.15		0.55	0.06	0.48			0.14	0.34	0.05	T	0.01	T		0.34	0.65					T	0.27	1.39	T	T				T			
WILMINGTON PORTER RSCH	4.80	0.65		0.62	0.05	0.45			0.05	0.34	0.04					0.29	0.72					0.02	0.33	1.23	T					0.01			
<b>SOUTHERN 02</b>																																	
DOVER	A 3.95		0.05	0.31	0.13	0.68				0.35	0.14					*	1.24 <sub>a</sub>						0.49	0.36	0.20								
FRANKFORD	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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			
<b>MARYLAND SOUTHERN EASTERN SHORE 01</b> ASSATEAGUE	VA	MAX MIN																																		M M M M
PRINCESS ANNE	17	MAX MIN	68 38	64 34	69 36	66 40																														50.3
SALISBURY 2N	17	MAX MIN	67 50	67 37		70 36	44 33	45 26	43 26	44 37	42 35	42 29	37 23	32 15	29 20	24 10	36 19	61 35	50 32	46 27	44 20	63 37	65 44		50 44	67 46	67 46		43 33	62 23	67 48	67 48	67 48	32.2		
SALISBURY FAA AP	24	MAX MIN	67 47	53 33	69 36	63 40	44 31	45 26	43 25	43 34	42 34	39 26	30 21	31 13	27 15	24 10	50 19	59 38	48 31	38 25	42 20	63 39	65 44	52 37	50 40	66 45	62 42	46 33	43 23	61 30	66 39	66 39	49.3			
SNOW HILL 4 N	17	MAX MIN	70 43	66 32	68 31	62 45	48 30	48 23	43 22	45 37	45 34	42 29	42 20	32 12	30 16	28 8	39 19	58 37	53 29	46 24	43 18	65 35	69 42	60 42	53 44	64 44	64 48	54 32	50 20	64 27	69 45	69 45	52.3			
<b>CENTRAL EASTERN SHORE 02</b> ROYAL OAK 2 SSW	17	MAX MIN	66 47	55 35	64 33	60 43	43 32	45 25	45 27	48 35	42 34	40 28	33 21	29 17	27 19	23 14	31 18	51 29	47 30	41 26	38 19	60 35	59 43	51 39	47 30	63 43	64 42	45 32	44 27	60 34	66 51	66 51	47.8			
<b>LOWER SOUTHERN 03</b> MECHANICSVILLE 5 NE	07	MAX MIN	60 26	65 33	50 33	62 45	67 33	43 24	44 24	44 29	45 30	40 28	40 21	31 14	29 14	24 9	25 10	38 20	52 29	50 28	41 18	40 18	64 40	60 43	50 39	45 39	66 45	48 34	48 21	46 24	66 30	66 30	47.7			
SOLOMONS	08	MAX MIN	65 38	53 40	60 44	60 32	42 28	43 30	45 35	45 37	41 28	40 23	31 20	29 20	22 13	29 20	53 29	52 31	46 33	39 25			64 31	48 40	49 40	61 45								47.0		
<b>UPPER SOUTHERN 04</b> BALTIMORE WASH INTL AP	24	MAX MIN	55 39	47 31	56 38	58 41	44 27	44 22	44 22	46 32	38 31	37 23	28 19	29 13	24 13	24 8	30 19	52 30	45 29	38 22	39 18	67 39	58 43	51 37	43 38	62 40	61 38	40 26	45 24	65 28	64 43	64 43	46.0			
BELTSVILLE	08	MAX MIN	59 28	58 31	50 35	58 39	49 35	42 22	43 22	45 24	46 32	35 28	26 20	29 13	21 17	24 9	49 12	52 21	45 27	37 18	43 24	65 35	56 37	53 37	43 39	64 42	47 39	38 42	34 33	46 26	64 26	64 32	45.7			
DALECARLIA RSVR	08	MAX MIN	63 29	58 28	44 29	58 41		42 24	30 24	43 24	45 33	41 27	40 19	29 16	28 18	28 10	22 13	50 21	51 29	45 28	31 20	46 38	67 39	47 38	53 38	42 40	65 42	46 33	46 26	38 28	47 32	66 32	66 32	44.0		
MARYLAND SCIENCE CENTER	24	MAX MIN	58 42	50 40	56 40	55 43	43 34	46 30	45 30	47 37	38 32	36 25	27 21	29 18	25 14	23 12	31 20	51 31	45 35	36 30	38 27	66 37	58 46	51 41	44 40	62 40	61 39	39 28	46 34	46 50	67 63	63 50	46.1			
NATL ARBORETUM DC	07	MAX MIN	62 43	60 33	53 34	62 42	51 36	44 26	45 27	47 33	47 35	41 29	40 21	30 17	32 19	24 13	27 16	53 24	48 30	42 31	46 20	67 37	59 44	54 40	47 41	66 45	49 34	41 26	47 32	67 41	67 41	48.8				
OXON HILL	08	MAX MIN	64 39	60 36	52 36	62 43	52 36	43 26	44 25	45 27	46 33	39 28	29 20	30 18	23 11	25 13	53 20	57 29	48 31	40 20	45 22	66 41	56 39	53 41	44 39	66 42	48 34	48 24	66 29	48 35	47 35	67 66	47.7			
UPPER MARLBORO 3 NNW	08	MAX MIN	62 39	63 30	52 31	61 42	52 33	43 22	45 22	44 23	47 31	40 28	39 20	29 14	32 14	24 10	27 10	50 20	53 27	47 29	39 17	46 17	65 45	59 39	53 37	43 38	64 41	50 32	41 22		66 22	66 22	47.7			
<b>NORTHERN EASTERN SHORE 05</b> STEVENSVILLE 2SW	07	MAX MIN	56 41	58 37	44 36	60 42	50 34	42 26	43 26	40 29	42 35	38 29	39 22	28 19	29 18	22 13	21 13	48 18	53 28	44 33	40 27	45 22	60 45	57 37	48 37	42 37	61 37	48 33	45 29	55 33	59 36	59 36	45.4			
<b>NORTHERN CENTRAL 06</b>																																			30.1	

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		
ABERDEEN PHILLIPS FLD	07	MAX	52	57	52	56	52	43	43	43	44	36	36	27	26				53	45	36	41	60	56	54	45	66	50	40	44	61			46.8	
		MIN	27	35	35	41	34	23	23	25	32	28	19	14				31	28	18	20	37	37	38	39	42	33	22	22	33			29.4		
BRIGHTON DAM	08	MAX	59	53	47	53	46	41	41	44	37	35	37	27	28	20	19	41	50	41	34	44	63	52	54	52	62	46	39	44	62			43.8	
		MIN	30	28	28	35	37	21	21	24	32	26	17	12	17	6	11	18	25	27	16	20	34	32	32	33	32	30	22	25	32			24.9	
CONOWINGO DAM	07	MAX	47	47	46	51	41	38	39	41	41	33	34	24	24	24	25	31	51	51	32	40	52	50	48	36	61	46	36	46			40.5		
		MIN	25 <sup>1</sup>	30	29	37	33	23	22	25	31	27	18	10	9	8	7	18	31	27	19	20	34	33	33	36	34	32	23	23			24.9		
CYLBURN	08	MAX	55	56	51	62	52	42	43	44	45	37	38	38	27	20	21	43	51	47	35	44	66	57	51	47	67	55	38	44	65			46.2	
		MIN	31	34	37	41	35	25	24	24	33	29	18	12	14	8	9	20	37	27	19	22	43	37	37	38	38	32	25	27	39			28.1	
DAMASCUS 3 SSW	22	MAX	54	47	53	53	38	40	43	44	35	31	22	26	22	18	26	44	42	33	37	64	55	49	39	60	55	36	42	62	59			42.4	
		MIN	38	30	36	38	30	25	26	28	28	20	15	10	10	4	16	26	32	25	19	34	43	33	35	37	36	28	22	32	45			27.6	
EMMITSBURG 2 SE	07	MAX	51	52	47	49	49	42	41	43	45	35	33	26	27	23	22	34	44	42	36	41	64	55	48	37	55	52	38	45	64			42.8	
		MIN	33	27	25	36	36	24	20	21	24	29	18	6	6	6	6	17	27	26	17	16	33	32	32	32	36	31	23	24	35			24.1	
FREDERICK 2 NNE	07	MAX																																M	
		MIN																																M	
MILLERS 4 NE	18	MAX	54	46	51	52	40	40	42	44	38	31	25	22	20	18	24	47	39	35	32	63	58	49	42	60	60	36	42	63	57			42.4	
		MIN	42	28	37	39	33	21	22	27	29	24	14	2	10	0	11	23	32	22	16	30	41	32	33	35	36	28	21	32	47			26.4	
SMITHSBURG 2NW	08	MAX	55	49	49	52	45	37	42	46	43	33	33	21	26	15	19	44	43	37	33	46	64	53	48	38	55	55	34	43			41.4		
		MIN	34	24	23	39	32	20	20	21	21	23	14	3	4	1	1	19	32	22	16	21	38	27	28	34	34	29	19	28			22.4		
<b>APPALACHIAN MOUNTAIN 07</b>																																			
CUMBERLAND 2	18	MAX	63	51	47	45	45	40	47	49	48	36	29	24	27	18	24	30	41	41	41	50	71	54	55	42	44	40	34	46	71			43.2	
		MIN	28	27	27	38	30	22	20	21	25	26	15	8	9	7	7	21	30	25	25	25	50	33	33	36	37	27	25	25	35			25.4	
FROSTBURG 2	07	MAX	59	48	44	53	38	33	42	46	41	30	19	20	22	8	17	29	35	32	32	49	61	52	48	35	45	36	25	40	62			38.0	
		MIN	43	28	28	35	24	21	21	26	26	18	7	-1	2	-1	-2	13	28	18	15	22	45	30	30	33	33	21	18	20	39			22.1	
SHARPSBURG 5 S	07	MAX																																M	
		MIN																																M	
<b>ALLEGHENY PLATEAU 08</b>																																			
OAKLAND 1 SE	07	MAX	63	48	54	63	38	33	44	48	41	28	17	16	22	10	18	37	38	28	35	52	64	59	48	40	51	31	24	44	61			39.8	
		MIN	41	24	26	35	21	16	17	20	22	16	6	-8	-4	5	6	15	15	21	14	26	48	29	32	32	31	20	18	18	44			20.9	
SAVAGE RIVER DAM	08	MAX	57	47	42	46	40	33	41	46	41	32	21	17	24	12	17	29	36	33	34	52	61	53	47	38	44	35	27	38	59			38.0	
		MIN	31	27	26	36	27	19	19	22	24	21	10	2	3	5	4	17	29	24	17	23	40	30	31	34	34	23	22	25	34			22.7	
SINES DEEP CREEK	07	MAX	54	46	45	47	43				40	28	25	14			19	32	33		30			58	46	46	46	32			56			M	
		MIN	8	25	25	33	22				23	17	8	-5			-5	16	28		13			22	29	29	31	22			19			M	
<b>DELAWARE NORTHERN 01</b>																																			
WILMINGTON NEW CASTLE CO AP	24	MAX	56	51	56	53	43	43	45	44	35	34	25	25	23	18	33	53	45	37	36	62	60	51	43	62	62	41	44	64	64			45.1	
		MIN	35	31	33	40	29	23	23	32	32	25	18	12	10	8	17	32	31	23	18	35	35	35	35	39	38	28	24	31	39			28.0	
WILMINGTON PORTER RSCH	24	MAX	56	48	61	61	42	41	43	41	37	37	24	24	21	15	32	60	41	33	35	58												M	
		MIN	42	35	35	35	28	26	28	31	30	24	17	11	10	8	15	31	31	25	21	21												M	
<b>SOUTHERN 02</b>																																			
DOVER	16	MAX	62	52	68	60	44	44	44	45	40	40	34	30	29	22	30	56	48	42	37	60	61	54	50	66	64	44	44	62	64			48.1	



MARYLAND AND DELAWARE  
201602

## 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	46	35	34	44	31	24	24	36	32	27	20	12	14	9	19	30	30	28	19	35	46	40	36	41	44	31	23	33	48			30.7

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
<b>MARYLAND SOUTHERN EASTERN SHORE 01</b>																																
ASSATEAGUE	SNOWFALL																															
PRINCESS ANNE	SNOWFALL																															
SALISBURY 2N	SNOWFALL	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SALISBURY FAA AP	SNOWFALL					1.3					1.0				4.0	-																
	SN ON GND					-				1																						
SNOW HILL 4 N	SNOWFALL	-	-	-	-	2.0	-	-	-	-	1.0	T	-	-	4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>CENTRAL EASTERN SHORE 02</b>																																
ROYAL OAK 2 SSW	SNOWFALL					1.5					0.8		T	T																		
	SN ON GND	T	T												3																	
<b>LOWER SOUTHERN 03</b>																																
MECHANICSVILLE 5 NE	SNOWFALL		-		-	T	-	-	-	-	T	-	-	-	4.0	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	SN ON GND	3	T	T	T	T	T	-	-	-	T	-	-	-	4	2	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SOLOMONS	SNOWFALL	-	-	-	0.5	-	-	-	-	T	T	-	-	T	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	SN ON GND	-	-	-	T	-	-	-	-	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>UPPER SOUTHERN 04</b>																																
BALTIMORE WASH INTL AP	SNOWFALL					T				0.4	T		T	T													T					
	SN ON GND	4				T					T	T			1	2																
BELTSVILLE	SNOWFALL										T	0.3			1.2	1.3																
	SN ON GND	4	2	1							T	T			1	1																
DALECARLIA RSVR	SNOWFALL				-	-			-			-	-		1.0	2.0																
	SN ON GND				-	-			-			-	-		-	-																
	WTR EQUIV				-	-			-			-	-		-	-																
MARYLAND SCIENCE CENTER	SNOWFALL					T	-	-		T	T		T	-	2.0	0.5					-	-										
NATL ARBORETUM DC	SNOWFALL																															
	SN ON GND	2	T	T	-	-	-	-	-	-	-	-	-	T	2	2					-	-										
	WTR EQUIV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OXON HILL	SNOWFALL					T	T			T	T		T	0.2	2.5	1.8												T				
	SN ON GND	5	2	T											3	3																
UPPER MARLBORO 3 NNW	SNOWFALL	-	-	-	-	-	T	-	-	-	0.1	-	-	-	1.9	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	SN ON GND	1	T		-	-	-	-	-	-	-	-	-	-	2	2																
<b>NORTHERN EASTERN SHORE 05</b>																																
STEVENSVILLE 2SW	SNOWFALL										0.2				0.5	1.7																
	SN ON GND										T				1	2																
SUDLERSVILLE 1S	SNOWFALL					2.2							T		1.6																	
	SN ON GND					1									2																	

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	31
<b>NORTHERN CENTRAL 06</b>																															
ABERDEEN PHILLIPS FLD					T				T	0.5					-	2.5															
	SNOWFALL				T				T	0.5					-	2.5															
	SN ON GND	3	2	1	T	T			T	T					-	T															
BRIGHTON DAM	SNOWFALL					-							-	-																	
	SN ON GND																														
	WTR EQUIV	-	-	-				-	-	-	-				-	-	-		-			-	-	-	-	-	-	-	-	-	
CONOWINGO DAM	SNOWFALL					-				2.0																					
	SN ON GND	7	6	5	2	-		1	-	2	-		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CYLBURN	SNOWFALL						T			1.0	0.5		T																		
	SN ON GND	-	7	4	2			-	-	-	1				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DAMASCUS 3 SSW	SNOWFALL					0.1			T	4.0	0.1	T	0.3	0.2		2.7															
	SN ON GND	6	5	2	T	T	T	T	T	3	3	2	2	2	2	4	1	T	T	T	T	T	T	T							
EMMITSBURG 2 SE	SNOWFALL									T	3.0				T																
	SN ON GND	12	10	8	6	3	2	2	2	T	2	4	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	WTR EQUIV	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FREDERICK 2 NNE	SNOWFALL									5.3	1.9	T	T	1.0		1.8															
MILLERS 4 NE	SNOWFALL					T																									
	SN ON GND	9	7	4	2	1	T	T	T	5	5	4	4	4	3	5	T	T	T	T	T	T	T								
	WTR EQUIV	2.6	2.3	1.4	0.4	0.2				0.5	0.5	0.4	0.4	0.3	0.3	0.6															
SMITHSBURG 2NW	SNOWFALL																														
<b>APPALACHIAN MOUNTAIN 07</b>																															
CUMBERLAND 2	SNOWFALL	-	-	-	-	-	-	-	-	0.1	T	T	-	0.4	-	T	0.5	-	T	-	-	-	-	-	-	-	-	-	-	-	-
	SN ON GND	6	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FROSTBURG 2	SNOWFALL					T	T			0.9	1.2	0.6		1.6	T	0.9	1.6	T	0.1												
	SN ON GND	6	4	2	T	T	T	T	T	1	2	2	2	4	3	4	5	4	4	3	2	T									
SHARPSBURG 5 S	SNOWFALL																														
WILLIAMSPORT	SNOWFALL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>ALLEGHENY PLATEAU 08</b>																															
OAKLAND 1 SE	SNOWFALL									2.0	6.0	1.0		3.5	0.5																
	SN ON GND	6	5	-	-	-	-	-	-	2	8	9	9	12	12	12	10	8	8	6	5										
SAVAGE RIVER DAM	SNOWFALL	-	-	-	-	-	-	-	-	-	-	-	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	SN ON GND	9	7	4	2	2	2	2	2	2	2	2	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SINES DEEP CREEK	SNOWFALL	-	-	-	-	-	-	-	-	1.3	6.0	3.5	1.5	-	-	4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	SN ON GND	6	5	4	3	-	-	-	-	1	8	10	10	-	-	8	6	6	-	5	-	-	-	-	-	-	-	-	-	-	-
<b>DELAWARE NORTHERN 01</b>																															
WILMINGTON NEW CASTLE CO AP	SNOWFALL					1.5			0.3	2.2	0.5	T	0.2	T		1.1															
	SN ON GND	1	T	T		2				1	2	1	1	1	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)

## 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	
WILMINGTON PORTER RSCH	SNOWFALL				0.1	1.0			0.5	1.1																							
	SN ON GND					1				1	1																						
<b>SOUTHERN 02</b>																																	
DOVER	SNOWFALL					1.0					T																						
	SN ON GND					1																											
FRANKFORD	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)

# 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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
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
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
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
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		H
DELAWARE										
DOVER	2730	02	KENT	39 9	75 30W	30	16	16		H
FRANKFORD	3500	02	SUSSEX	38 32	75 14W	41		07		H
WILMINGTON NEW CASTLE CO AP R	9595	01	NEW CASTLE	39 40	75 36W	79	24	24		HJ
WILMINGTON PORTER RSCH	9605	01	NEW CASTLE	39 46	75 32W	270	24	24		H

# REFERENCE NOTES

**STATION NAMES:** Name of the city, town or locality. Figures and letters following the station names indicate the distance in miles and direction from the post office or town community center.

**DIVISIONS:** Areas within a state of similar climatological characteristics. Division averages are calculated using data from stations that record temperature and/or precipitation. Station Precipitation totals flagged with an 'F' or 'M' are excluded from the Divisional Average calculations of precipitation. Stations with monthly Temperature averages flagged with an 'F' or 'M' are included in the Divisional Average if there are no more than 9 flagged or missing daily values in the month, else they are excluded from the divisional average for temperature.

**NORMALS:** The average value of the meteorological element over a time period. Effective 1 January 2012, the averaging period for station departures is 1981 to 2010. The normals for National Weather Service localities have been adjusted so as to be representative for the current observation site.

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

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

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

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

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

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

## SYMBOLS AND LETTERS USED IN THE STATION INDEX TABLE

C Station is equipped with recording rain gage (R) but values in this bulletin are from a non-recording rain gage unless indicated by an R.

G Observations appear in the "Soil Temperatures" table.

H Observations appear in the "Snowfall and Snow on the Ground" table.

J Station also published as a Local Climatological Data publication.

VAR Observation time varies.

SR / SS Observation time near sunrise / Observation time near sunset, respectively.

## SYMBOLS AND LETTERS USED IN THE DATA TABLES

(DAILY DATA ARE FOR THE 24 HOURS IMMEDIATELY PRECEDING OBSERVATION TIME.)

BLANK Entries in the "Monthly Summarized Data" table indicate no record.

BLANK Entries in the "Daily Precipitation" and "Snowfall and Snow on the Ground" tables indicate zero.

BLANK Entries in the "Daily Temperature" table indicate a missing record

- No record. Data not recorded or not received in time for publication.

+ Precipitation or temperature extremes occurred on one or more previous dates during the month.

\* Rain gage not read. Precipitation is included in the amount following the asterisks.

Time distribution may not be known. A \* preceding the monthly total indicates precipitation amount is being carried forward to next month's total, and may include amounts from the previous month(s).

a As a subscript, indicates accumulated total.

A Amount of precipitation is the total of observer's entries for the current month. It may include precipitation that occurred during the previous month. Refer to earlier bulletin to determine date of last

reading. (Hawaii stations)

B Divisional Departure from normals are computed using 1971-2000 normals.

E Normalized HDD/CDD Calculation. E is appended to the HDD/CDD Calculation when 1-9 individual daily TMAX and/or TMIN values are missing and a Normalized HDD/CDD Calculation is provided. M appears alone if 10 or more daily values are missing.

F Monthly calculation flagged value. F is appended to average and/or total values computed which exclude one or more daily data values that have been flagged by the GHCN-Daily Dataset

M Insufficient or partial data. M is appended to average and/or total values computed with 1-9 daily values missing. M appears alone if 10 or more daily values are missing, (8 or more for wind and evaporation).

N Indicates snow fall or Snowdepth totals are computed with one or more missing days.

R Amounts from recording rain gage.

T Trace. An amount too small to measure.

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

Information concerning the history of changes in locations, exposure, etc. of substations is kept on file at the National Centers for Environmental Information. Historical information of regular National Weather Service Offices may be obtained from the "Local Climatological Data" annual publication. The contents of this publication may be reprinted or otherwise used freely, with proper credit to the National Centers For Environmental Information. The data are also available digitally.

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

As of the 2011 Data-Year, Station and Climate Division Maps are no longer being included in the CD Publications. NCEI's Products Branch provides updated Station Maps for various data networks via the Historical Observing Metadata Repository: <http://www.ncdc.noaa.gov/homr>.

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

Blank = Passed All checks

D = failed duplicate check

G = failed gap check

I = failed internal consistency check

K = failed streak/frequent-value check

L = failed check on length of multiday period

M = failed megaconsistency check

N = failed naught check

O = failed climatological outlier check

R = failed lagged range check

S = failed spatial consistency check

T = failed temporal consistency check

W = temperature too warm for snow

X = failed bounds check

Z = flagged as a result of an official Datzilla investigation

Beginning with the January 2013 CD Publication, monthly mean temperature calculations have changed to the National Data Stewardship Team standard. Monthly maximum and minimum temperatures are not rounded until after the monthly mean temperature is calculated. This is the most accurate outcome, but may be slightly different from the mean derived from rounded monthly maximum and minimum.

The climate division temperature and precipitation values in this publication are based on simple averages from the current set of NWS-Designated Open and Published COOP and First Order Sites within each division. These values differ from those found in NCEI's nClimDiv product. Beginning in February 2014, the nClimDiv product is used by NCEI's Monitoring Branch and in its monthly climate reports. For more details on nClimDiv, please go to <http://www.ncdc.noaa.gov/monitoring-references/maps/us-climate-divisions.php>.

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

**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.

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