



# CLIMATOLOGICAL DATA

## MARYLAND AND DELAWARE

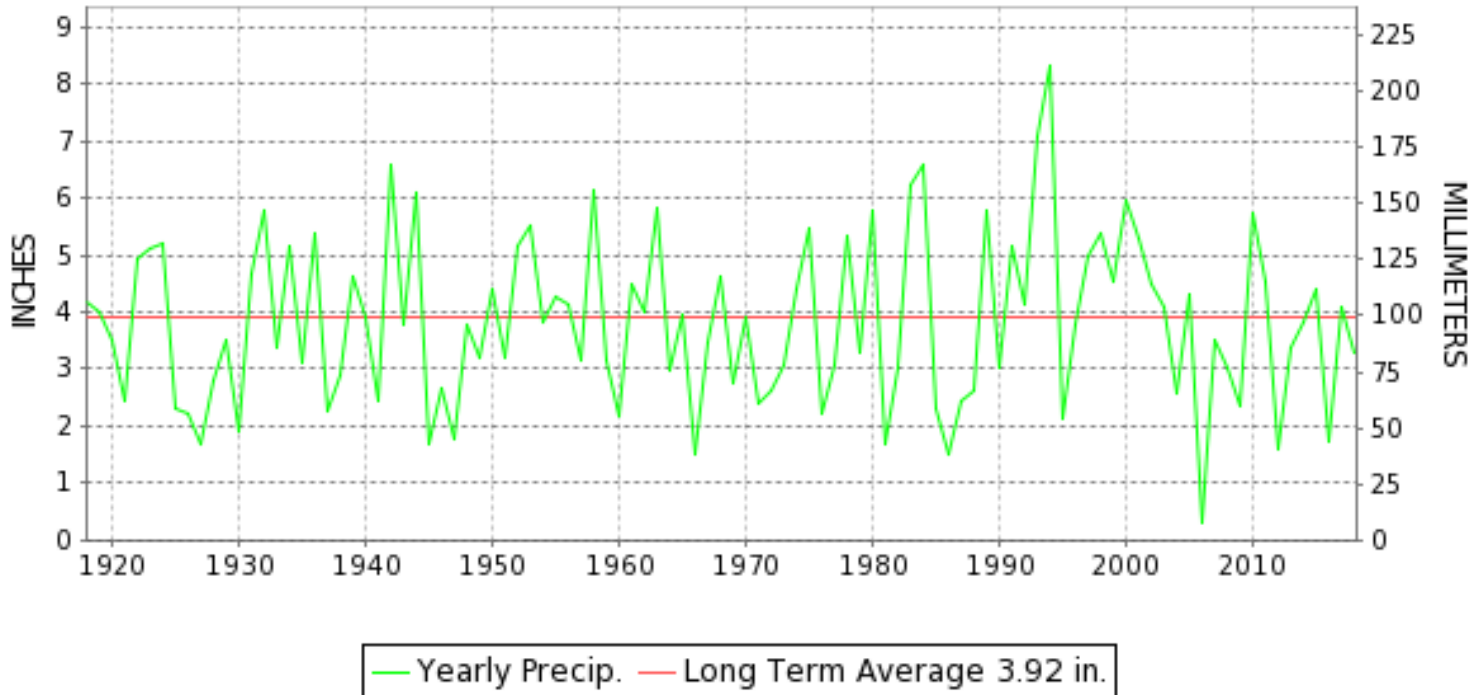
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### MARCH PRECIPITATION BY YEAR



#### TEMPERATURE AND PRECIPITATION EXTREMES

##### MARYLAND

HIGHEST TEMPERATURE	81	MARCH 30	OXON HILL
LOWEST TEMPERATURE	6	MARCH 10	OAKLAND 1 SE
GREATEST TOTAL PRECIPITATION	4.34		SINES DEEP CREEK
LEAST TOTAL PRECIPITATION	1.87		BELTSVILLE
GREATEST 1 DAY PRECIPITATION	1.45	MARCH 21	MECHANICSVILLE 5 NE
GREATEST TOTAL SNOWFALL	25.9		OAKLAND 1 SE
GREATEST DEPTH OF SNOW OR ICE	12		OAKLAND 1 SE

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Centers for Environmental Information  
Asheville, North Carolina

**DELAWARE**

HIGHEST TEMPERATURE	72	MARCH 30	WILMINGTON NEW CASTLE CO AP
LOWEST TEMPERATURE	23	MARCH 11	WILMINGTON NEW CASTLE CO AP
GREATEST TOTAL PRECIPITATION	4.65		WILMINGTON NEW CASTLE CO AP
LEAST TOTAL PRECIPITATION	4.65		WILMINGTON NEW CASTLE CO AP
GREATEST 1 DAY PRECIPITATION	1.23	MARCH 07	WILMINGTON NEW CASTLE CO AP
GREATEST TOTAL SNOWFALL	14.2		WILMINGTON NEW CASTLE CO AP
GREATEST DEPTH OF SNOW OR ICE	6		WILMINGTON NEW CASTLE CO AP

# 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											
<b>MARYLAND SOUTHERN EASTERN SHORE 01</b>																									
PRINCESS ANNE	M	M	M								0	0	0	0	M				M						
SALISBURY 2N	M	M	M		50	25+	25	06	818E	0	0	0	4	0	M				M						
SALISBURY FAA AP	50.5	31.7	41.1	-3.6	79	29	22	17	732	0	0	0	19	0	3.04	-1.38	0.98	20	M 0.8	0		8	7	0	
SNOW HILL 4 N	52.1	27.5	39.8	-6.6	80	29	19	11+	772	0	0	0	25	0	3.39	-1.13	1.20	20	M			7	5	1	
--DIVISIONAL DATA----->			40.5	-4.8B											3.22	-1.26B									
<b>CENTRAL EASTERN SHORE 02</b>																									
ROYAL OAK 2 SSW	50.0	33.5	41.8	-4.7	74	29	21	11	713	0	0	1	20	0	3.27	-1.09	0.95	20+	6.0	5	21	12	8	0	
--DIVISIONAL DATA----->			41.8	-3.5B											3.27	-1.02B									
<b>LOWER SOUTHERN 03</b>																									
MECHANICSVILLE 5 NE	50.4	29.6	40.0	-4.6	78	30	23	17	768	0	0	0	24	0	3.07	-1.14	1.45	21	7.0	6	22	8	4	1	
SOLOMONS	M	M	M		69	30	30	06	760E	0	0	0	5	0	MA 3.71		0.72	07	M	0		6	2	0	
--DIVISIONAL DATA----->			40.0	-5.2B											3.07	-1.24B									
<b>UPPER SOUTHERN 04</b>																									
BALTIMORE-WASHINGTON INTL AP	49.2	31.3	40.2	-3.4	75	30	23	11+	760	0	0	0	24	0	2.25	-1.65	0.60	20	6.7	4	22	10	5	0	
BELTSVILLE	48.6	31.2	39.9	-3.8	77	30	22	17	773	0	0	0	23	0	1.87	-1.81	0.62	21	5.2	5	22	7	5	0	
DALECARLIA RSVR	49.0M	31.3	40.1M	-5.4	79	30	24	10	765E	0	0	0	24	0	M 2.01	-1.99	0.82	21	M 1.4	1	21	8	6	0	
MARYLAND SCI CTR	50.0	36.2	43.1	-3.2	76	30	31	10	669	0	0	0	3	0	2.69	-1.17	0.67	20	M			9	6	0	
NATL ARBORETUM DC	51.4M	32.9	42.2M	-4.0	76	30	27	11+	695E	0	0	0	21	0	2.28	-1.44	0.75	21	2.7	3	22	9	6	0	
OXON HILL	50.9	31.8	41.3	-4.1	81	30	27	18	726	0	0	0	24	0	2.35	-1.43	0.97	21	5.8	3	22	10	6	0	
--DIVISIONAL DATA----->			41.1	-3.4B											2.29	-1.73B									
<b>NORTHERN EASTERN SHORE 05</b>																									
STEVENSVILLE 2SW	48.0	34.0	41.0	-2.9	78	31	29	11+	737	0	0	0	16	0	2.60		0.97	21	8.8	5	22	9	5	0	
SUDLERSVILLE 1S															M				M	10	22				
--DIVISIONAL DATA----->			41.0	-2.8B											2.60	-1.52B									
<b>NORTHERN CENTRAL 06</b>																									
ABERDEEN PHILLIPS FLD	46.6	31.0	38.8	-4.2	72	30	26	27+	805	0	0	0	23	0	A 3.48	-0.41	0.93	02	M 7.5	3	22	7	4	0	
CONOWINGO DAM	44.8	28.2	36.5	-6.3	68	31+	18	10	876	0	0	0	27	0	M 2.89	-1.36	1.00	02	M 7.5	0		8	5	1	
CYLBURN	M	M	M								0	0	0	0	M				M						
DAMASCUS 3 SSW	45.8	28.8	37.3	-4.9	70	30+	23	11+	850	0	0	1	25	0	2.35	-1.34	0.80	20	6.4	5	21	9	5	0	
EMMITSBURG 2 SE	46.7	28.4	37.6	-3.3	66	31+	22	12+	843	0	0	0	26	0	1.98	-2.07	0.68	02	10.0	8	22	7	4	0	
MILLERS 4 NE	45.5	28.3	36.9	-4.0	68	29	21	06	863	0	0	1	27	0	3.04	-0.68	0.96	21	16.7	11	21	11	6	0	
REISTERSTOWN 2 NW	45.0M	28.1M	36.6M		71	30	24	06	871E	0	0	1	24	0	M 1.84		0.92	02	M 12.8	7	22	8	5	0	
SMITHSBURG 2NW	44.3M	25.3M	34.8M	-5.4	69	30	18	12	929E	0	0	1	24	0	M 2.45	-1.26	1.12	21	M			5	5	1	

### 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												
--DIVISIONAL DATA-----> APPALACHIAN MOUNTAIN 07			36.9	-5.8B										2.71	-1.32B											
HAGERSTOWN 1 E	46.5	28.6	37.6		68	29	20	18	840	0	0	0	25	0	2.03		0.56	21	10.0	9	21	10	4	0		
CUMBERLAND 2	45.4	28.1	36.8	-6.9	68	30	21	11+	867	0	0	0	26	0	2.22	-1.15	0.80	21	M 10.2	7	21	11	6	0		
FROSTBURG 2	39.2	22.6	30.9	-5.2	63	30	13	10	1049	0	0	9	28	0	3.00	-0.94	0.96	21	20.1	9	22	12	9	0		
SHARPSBURG 5 S	46.5	24.1	35.3	-5.9	71	30	18	12+	913	0	0	1	26	0	M				M 10	22						
WILLIAMSPORT														2.55	-1.68	1.12	21	M				10	5	1		
--DIVISIONAL DATA-----> ALLEGHENY PLATEAU 08			35.2	-5.5B										2.45	-0.97B											
OAKLAND 1 SE	42.6	21.8	32.2	-4.0	71	30	6	10	1010	0	0	6	28	0	4.02	-0.11	0.73	02	25.9	12	15	18	11	0		
SAVAGE RIVER DAM	41.5	25.4	33.4	-4.4	65	30	15	11+	972	0	0	5	28	0	2.35	-1.05	0.69	02	8.0	5	21	8	7	0		
SINES DEEP CREEK	M	M	M		70	30	7	12	1033E	0	0	5	18	0	MA 4.34		1.00	02	M	9	09	10	8	1		
--DIVISIONAL DATA----->  DELAWARE NORTHERN 01			32.8	-4.2B										3.19	-0.68B											
WILMINGTON NEW CASTLE CO AP	47.5	31.1	39.3	-3.7	72	30	23	11	788	0	0	0	24	0	4.65	0.73	1.23	07	14.2	6	22	11	8	1		
WILMINGTON PORTER RSCH	M	M	M												M				M							
--DIVISIONAL DATA-----> SOUTHERN 02			39.3	-3.4B										4.65	0.54B											
DOVER	M	M	M											M				M								
--DIVISIONAL DATA----->			M	B										M	B											

MARYLAND AND DELAWARE  
201803

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>																																	
PRINCESS ANNE	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SALISBURY 2N	M	-	-	-	-	-		1.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	-	-	-	-	-	-	-
SALISBURY FAA AP	3.04	0.11	0.17			0.50	0.46					0.42				T	T			0.98	0.39	0.01			T		T	T		T			
SNOW HILL 4 N	3.39	0.02		0.25			0.94					0.07	0.45							1.20	0.46								T				
<b>CENTRAL</b>																																	
<b>EASTERN SHORE 02</b>																																	
ROYAL OAK 2 SSW	3.27	0.03	0.18			T	0.95					0.12	0.15				0.02			0.95	0.60	0.10			T		T	0.02	0.05	0.10			
<b>LOWER SOUTHERN 03</b>																																	
MECHANICSVILLE 5 NE	3.07	T	0.02				0.49	T					0.07			T	T			0.29	1.45	0.67						T	0.07		0.01		
SOLOMONS	MA 3.71		0.09	-	-		0.72	T		-	-		0.43			*	*	*	*	*	*	*	1.78 <sub>a</sub>	*	*	0.60 <sub>a</sub>	T	0.01	0.05	0.03	-		
<b>UPPER SOUTHERN 04</b>																																	
BALTIMORE-WASHINGTON INTL AP	2.25	0.45	0.01			0.29	0.25					0.03	T	T	T	T	T			0.60	0.50	T			T		0.01	0.08	T	0.03			
BELTSVILLE	1.87		0.22				0.30													0.18	0.62	0.48							T	0.05		0.02	
DALECARLIA RSVR	M 2.01		0.20				0.30	-					0.01							0.30	0.82	0.20							0.05	0.13			
MARYLAND SCI CTR	2.69	0.58	0.04			0.23	0.30					0.01								0.67	0.51								0.06		0.29		
NATL ARBORETUM DC	2.28		0.17	0.01			0.33	0.02					T				T			0.21	0.75	0.62							0.07	0.10	T	T	
OXON HILL	2.35		0.12	T			0.40	0.02					0.03				T	T		0.17	0.97	0.49			0.02			0.03	0.10		T		
<b>NORTHERN</b>																																	
<b>EASTERN SHORE 05</b>																																	
STEVENSVILLE 2SW	2.60		0.38	T			0.36	0.13					0.07	T						0.01	0.97	0.58				T		T	0.05		0.05		
SUDLERSVILLE 1S	M		0.40	-	-		0.15	1.10		-	-	-	-	-	-	-	-	-	-	-	-	-	1.65	-	-	-	-	-	-	-	-	-	
<b>NORTHERN CENTRAL 06</b>																																	
ABERDEEN PHILLIPS FLD	A 3.48		0.93	T			0.57	0.30					0.04									*	1.14 <sub>a</sub>			T		0.01	0.09		0.40		
CONOWINGO DAM	M 2.89		1.00	0.07			0.27	0.33					0.08								0.50	0.57	-	-	-	-	-	0.07	-	-	-	-	
CYLBURN	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DAMASCUS 3 SSW	2.35	0.26	0.06			0.03	0.05					T	T	T		T	T			0.80	0.65	0.05			T		T	0.14		0.31			
EMMITSBURG 2 SE	1.98		0.68				0.03	0.02													0.50	0.50				T		0.02	0.23	T			
MILLERS 4 NE	3.04	0.11	0.70			T	0.22					T	0.07	T	T	T				0.59	0.96	0.09			T		0.04	0.15	0.03	0.08			
REISTERSTOWN 2 NW	M 1.84		0.92	-			0.40		0.12											-	-	-					0.02	0.07	0.16	0.01	0.14		
SMITHSBURG 2NW	M 2.45		0.50				-	-					-								1.12	0.47			-	-		0.12	0.24				
<b>APPALACHIAN</b>																																	
<b>MOUNTAIN 07</b>																																	
HAGERSTOWN 1 E	2.03	0.48	T			0.03	0.03		T			0.02	T	T	T	T	T			0.55	0.56					0.07	0.23	0.01	0.05				
CUMBERLAND 2	2.22		0.52				0.20	0.01				T	0.09			T		0.01		0.03	0.80	0.16					0.23	0.12	0.05				
FROSTBURG 2	3.00	T	0.59	T			0.16	0.03	0.10	T			0.12	0.02	T	0.01				T	0.96	0.21					0.43	0.21	0.16	T			
SHARPSBURG 5 S	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03	1.26	0.52					0.13	0.21	0.01	0.08			
WILLIAMSPORT	2.55		0.40				0.03	0.05					0.03								1.12	0.47						0.12	0.24	0.02	0.07		
<b>ALLEGHENY PLATEAU 08</b>																																	
OAKLAND 1 SE	4.02	0.01	0.73				0.01	0.15	0.36	0.05			0.14	0.17	0.08	0.05		0.02		0.07	0.51	0.10						0.50	0.66	0.31	0.10		

DAILY PRECIPITATION (INCHES)

STATION	TOTAL	DAY OF MONTH																														
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
SAVAGE RIVER DAM	2.35		0.69				0.14	0.08					T	T		T					T	0.38	0.15					0.49	0.32	0.10		
SINES DEEP CREEK	MA 4.34		1.00	*	*	0.00 <sub>a</sub>	* 0.05 <sub>a</sub>	0.15	0.35	*	*	0.00 <sub>a</sub>	0.15	0.02		0.07	*	*	0.00 <sub>a</sub>		T	0.50	-		*	*	0.00 <sub>a</sub>		0.80	0.70	0.55	-
DELAWARE NORTHERN 01																																
WILMINGTON NEW CASTLE CO AP	4.65	0.76	0.61			0.29	1.23					0.15	T		T	T					0.62	0.70				T		0.01	0.04	0.01	0.23	
WILMINGTON PORTER RSCH	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTHERN 02																																
DOVER	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> PRINCESS ANNE	17	MAX MIN																																			M M
SALISBURY 2N	17	MAX MIN						49	44																50	50	45									M M	
SALISBURY FAA AP	24	MAX MIN	55 46	54 36	51 38	50 35	47 30	50 25	44 37	44 30	47 31	44 24	48 24	44 31	45 27	43 29	52 28	45 26	44 22	54 27	58 27	43 35	39 32	47 33	49 33	51 33	51 27	42 27	51 25	42 25	63 40	79 46	72 47	59 38	50.5 31.7		
SNOW HILL 4 N	17	MAX MIN	55 42	54 25	51 30	50 34	47 24	50 19	46 34	46 27	47 24	45 19	49 19	48 27	45 29	43 23	52 29	52 21	46 20	50 23	59 22	47 32	40 29	48 28	51 26	52 21	50 20	45 25	50 20	75 35	80 44	72 54	69 29	52.1 27.5			
<b>CENTRAL EASTERN SHORE 02</b> ROYAL OAK 2 SSW	17	MAX MIN	57 44	53 43	51 43	49 42	45 32	46 26	43 40	43 38	46 31	45 24	49 21	46 24	45 32	42 33	51 32	50 27	45 27	53 23	55 31	50 32	32 32	46 32	48 30	48 32	49 31	48 31	58 28	54 40	74 43	73 50	57 43	50.0 33.5			
<b>LOWER SOUTHERN 03</b> MECHANICSVILLE 5 NE	07	MAX MIN	62 39	54 39	47 35	53 35	52 28	48 24	46 28	47 30	43 28	46 24	46 25	49 26	39 30	47 27	43 28	55 25	47 23	49 28	57 29	52 30	38 31	33 31	46 31	49 28	51 27	51 25	51 25	46 24	60 35	78 45	77 35	50.4 29.6			
SOLOMONS	08	MAX MIN	51 45	46 39				34 30	40 33	43 34	42 31				37 33	43 31	41 31	51 33																		M M	
<b>UPPER SOUTHERN 04</b> BALTIMORE-WASHINGTON INTL AP	24	MAX MIN	53 45	48 36	52 36	50 34	48 30	45 24	42 32	43 30	45 31	50 23	50 23	44 28	45 31	41 28	50 31	44 27	44 24	57 30	58 28	39 30	34 31	47 31	48 31	50 27	46 31	48 27	45 28	53 41	72 47	75 43	59 31	49.2 31.3			
BELTSVILLE	08	MAX MIN	63 44	54 37	45 35	50 34	49 29	46 24	45 31	45 30	41 31	41 23	49 24	49 28	43 32	44 30	40 30	50 27	42 22	44 30	56 27	58 34	35 30	34 30	44 32	47 31	48 29	45 27	48 29	45 35	55 43	77 47	74 31	48.6 31.2			
DALECARLIA RSVR	08	MAX MIN	65 44		45 34	50 32	50 29	46 26	44 32	46 31	43 31	43 24	48 25	48 26	34 31	45 30	41 28	51 28	43 26	45 27	56 28	58 34	35 30	38 31	45 31	48 29	50 30	45 28	49 31	49 31	57 42	79 48	74 36	49.0 31.3			
MARYLAND SCI CTR	24	MAX MIN	55 48	50 37	52 38	50 37	47 33	45 33	44 34	45 34	46 33	50 31	51 34	45 34	45 34	42 32	51 34	44 34	46 33	58 37	60 37	41 32	36 33	49 35	48 35	50 35	48 33	44 36	52 37	70 43	76 49	59 46	50.0 36.2				
NATL ARBORETUM DC	08	MAX MIN	63 44	55 39	55 36	54 35		27 30	47 30	47 33	45 33	45 30	49 27	45 28	45 32	49 32	45 31	45 28	55 30	47 28	45 30	59 31	59 31	36 32	36 32	49 34	50 32	52 31	49 30	50 31	48 32	59 44	76 49	75 35	51.4 32.9		
OXON HILL	07	MAX MIN	62 42	60 38	47 34	52 33	52 28	48 29	46 29	49 32	43 29	46 30	49 28	49 28	45 31	44 30	42 28	44 28	43 28	53 27	53 31	38 32	36 32	46 32	47 31	47 30	45 30	48 30	45 30	48 41	45 47	50 47	71 47	78 37	48.0 31.8		
<b>NORTHERN EASTERN SHORE 05</b> STEVENSVILLE 2SW	07	MAX MIN	61 43	51 44	44 37	47 37	47 32	44 29	45 32	42 33	43 32	49 32	49 29	45 31	42 33	44 32	42 32	50 32	43 34	43 34	53 33	53 33	38 31	36 32	46 34	47 33	47 31	45 32	48 30	45 31	48 42	45 44	50 40	71 40	78 34	48.0 34.0	
<b>NORTHERN CENTRAL 06</b> ABERDEEN PHILLIPS FLD	07	MAX MIN	58 42	53 37	41 36	46 36	47 30	45 26	44 27	39 31	41 31	43 27	47 26	45 27	42 31	42 28	39 29	46 28	42 27	44 27	54 28	55 29	37 30	34 31	45 33	44 32	48 31	45 26	48 26	43 30	48 41	43 45	48 45	67 33	46.6 31.0		
CONOWINGO DAM	07	MAX MIN	47 25	52 36	40 29	44 27	45 30	43 26	43 25	37 29	41 21	43 18	44 25	45 25	41 29	40 27	39 27	45 27	45 24	45 26	51 20	44 28	36 28	34 30	44 27	43 26	46 32	45 27	47 28	42 29	47 41	42 45	68 37	68 28	44.8 28.2		

DAILY TEMPERATURES (°F)

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE	
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
CYLBURN	08	MAX MIN																																	M M
DAMASCUS 3 SSW	22	MAX MIN	52 44	47 33	47 31	46 27	43 24	42 23	40 31	40 26	38 27	44 23	38 29	42 27	37 25	40 28	40 27	53 25	59 34	44 26	32 26	42 26	43 27	45 25	40 24	46 25	41 28	49 37	70 44	70 42	58 30	45.8 28.8			
EMMITSBURG 2 SE	07	MAX MIN	63 36	52 37	47 34	48 32	49 25	45 22	44 22	41 30	42 30	42 24	46 22	38 26	43 28	38 28	49 29	42 28	43 28	59 27	56 27	39 27	34 28	48 28	48 23	45 26	39 24	47 24	42 30	46 39	66 43	66 32	46.7 28.4		
MILLERS 4 NE	18	MAX MIN	58 42	46 30	46 31	46 31	44 25	42 21	38 32	39 27	39 22	43 22	44 26	41 27	39 25	37 27	43 23	41 23	53 27	54 30	49 26	30 26	43 28	42 25	44 23	42 23	46 24	45 35	46 43	68 45	67 41	57 29	45.5 28.3		
REISTERSTOWN 2 NW	08	MAX MIN	64 37	50 31			45 26	43 24	40 26	41 27	39 28	44 25	44 25	39 27	44 27	44 26	39 29	40 27	41 28	53 30	53 27	39 28	41 28	32 28	43 28	42 26	43 25	42 25	46 28	41 28	48 28	71 43	68 33	45.0 28.1	
SMITHSBURG 2NW	08	MAX MIN	65 39	53 33	41 31	44 23	46 20	44 21	42 21	43 26	38 26	35 20	45 19	44 18	39 26	44 24	34 25	44 28	37 22	39 20	54 20	58 26	35 20	31 20	41 20			37 24	39 31	45 37	69 42	60 26	44.3 25.3		
<b>APPALACHIAN MOUNTAIN 07</b>																																			
HAGERSTOWN 1 E	24	MAX MIN	54 43	45 35	46 32	48 30	46 25	40 24	46 34	41 28	39 28	48 22	47 21	39 26	47 27	40 27	40 28	57 20	60 25	42 28	33 28	44 27	45 24	46 21	44 25	50 24	40 32	46 39	68 43	63 40	61 28	46.5 28.6			
CUMBERLAND 2	07	MAX MIN	65 34	49 35	42 29	44 28	48 24	43 24	38 29	38 27	37 27	36 21	48 21	51 22	35 28	39 27	34 28	49 24	36 24	37 24	58 26	64 29	34 28	34 28	43 27	45 25	46 25	52 27	40 35	49 39	68 46	60 30	45.4 28.1		
FROSTBURG 2	07	MAX MIN	61 38	45 27	35 21	39 21	40 15	39 15	31 24	38 18	29 19	28 13	42 17	29 21	33 19	26 19	39 19	32 18	37 21	49 24	56 27	27 29	29 35	35 27	40 27	38 17	44 18	43 27	55 42	63 46	47 29	39.2 22.6			
SHARPSBURG 5 S	07	MAX MIN	66 37	53 35	45 31	46 23	48 20	45 20	40 23	46 21	42 22	37 18	48 18	46 18	38 19	42 19	37 21	49 20	41 20	40 20	57 23	61 28	34 20	32 20	44 20	45 19	46 19	43 25	50 25	40 33	47 37	71 43	64 27	46.5 24.1	
<b>ALLEGHENY PLATEAU 08</b>																																			
OAKLAND 1 SE	07	MAX MIN	64 44	53 26	53 20	40 20	42 16	41 21	36 28	38 20	31 18	29 6	41 11	45 17	33 21	32 19	27 18	35 13	39 14	51 14	56 22	29 21	31 20	38 22	48 16	43 16	34 21	44 21	53 23	58 52	71 45	46 32	42.6 21.8		
SAVAGE RIVER DAM	08	MAX MIN	60 32	46 33	38 26	43 27	44 21	44 21	33 28	39 22	31 23	29 15	42 15	44 19	33 26	34 24	30 24	43 25	35 21	39 21	52 25	56 26	30 24	32 25	39 25	41 21	44 22	37 24	44 29	37 32	51 37	65 43	52 30	41.5 25.4	
SINES DEEP CREEK	07	MAX MIN	50 34	48 19			38 18	40 26	35 20	35 19	35 19	40 7	28 24	30 19	31 20	40 19	31 19	40 19	50 22	50 23	34 21	29 17	27 15			45 17	40 20	53 20	50 33	70 43	70 43		M M		
<b>DELAWARE NORTHERN 01</b>																																			
WILMINGTON NEW CASTLE CO AP	24	MAX MIN	57 41	46 34	50 35	50 31	47 28	47 27	37 32	40 31	41 29	45 28	46 23	43 27	44 30	40 29	47 30	43 30	48 26	52 26	54 29	36 30	34 31	44 32	45 31	49 29	49 31	50 25	44 28	50 39	68 45	72 43	56 34	47.5 31.1	
WILMINGTON PORTER RSCH	24	MAX MIN																																	M M
<b>SOUTHERN 02</b>																																			
DOVER	16	MAX MIN																																	M M



MARYLAND AND DELAWARE  
201803

# DAILY SOIL TEMPERATURES

STATION	DEPTH	TIME	DAY OF MONTH																															AVERAGE	
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
MARYLAND UPPER SOUTHERN 04 BELTSVILLE (in)																																			

MARYLAND AND DELAWARE  
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## SOILS REFERENCE NOTES

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

## SNOWFALL AND SNOW ON GROUND (INCHES)

STATION		DAY OF MONTH																														
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
<b>MARYLAND SOUTHERN EASTERN SHORE 01</b>																																
PRINCESS ANNE	SNOWFALL																															
SALISBURY 2N	SNOWFALL																															
SALISBURY FAA AP	SNOWFALL																															
	SN ON GND																															
SNOW HILL 4 N	SNOWFALL																															
<b>CENTRAL EASTERN SHORE 02</b>																																
ROYAL OAK 2 SSW	SNOWFALL																															
	SN ON GND																															
<b>LOWER SOUTHERN 03</b>																																
MECHANICSVILLE 5 NE	SNOWFALL																															
	SN ON GND																															
SOLOMONS	SNOWFALL																															
	SN ON GND																															
<b>UPPER SOUTHERN 04</b>																																
BALTIMORE-WASHINGTON INTL AP	SNOWFALL																															
	SN ON GND																															
BELTSVILLE	SNOWFALL																															
	SN ON GND																															
DALECARLIA RSVR	SNOWFALL																															
	SN ON GND																															
MARYLAND SCI CTR	SNOWFALL																															
NATL ARBORETUM DC	SNOWFALL																															
	SN ON GND																															
OXON HILL	SNOWFALL																															
	SN ON GND																															
<b>NORTHERN EASTERN SHORE 05</b>																																
STEVENSVILLE 2SW	SNOWFALL																															
	SN ON GND																															
SUDLERSVILLE 1S	SNOWFALL																															
	SN ON GND																															
<b>NORTHERN CENTRAL 06</b>																																
ABERDEEN PHILLIPS FLD	SNOWFALL																															
	SN ON GND																															
CONOWINGO DAM	SNOWFALL																															
	SN ON GND																															
CYLBURN	SNOWFALL																															
DAMASCUS 3 SSW	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)

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	
EMMITSBURG 2 SE	SN ON GND					T						T									2	5	2	1	T	T	T	T					
	SNOWFALL																						5.0	5.0									
MILLERS 4 NE	SN ON GND		1.1					1.1				T	1.0	T	T	T					5.8	6.7	1.0			T							
	SNOWFALL																					6	11	6	3	2	1	T					
REISTERSTOWN 2 NW	SN ON GND							T													0.6	1.4	1.3	0.9	0.7	0.3							
	WTR EQUIV																																
SMITHSBURG 2NW	SNOWFALL		0.8	-				1.0													-	3.5	7.5										
	SN ON GND		-	-				1													-	3	7	-									
SMITHSBURG 2NW APPALACHIAN MOUNTAIN 07	SNOWFALL																																
	SNOWFALL																																
HAGERSTOWN 1 E	SNOWFALL		T				T	T		T			0.2	T	T	T	T	T				5.1	4.7										
	SN ON GND												T									5	9	6	3	1	1	T	T				
CUMBERLAND 2	SNOWFALL													0.5							0.1	8.1	1.5										
	SN ON GND																						7	6	4	1							
FROSTBURG 2	SNOWFALL		0.6	T				2.1	0.6	3.2	0.2			1.4	1.1	T	0.6			T		8.1	2.2										
	SN ON GND		1	T				2	1	4	3	T	T	1	2	1	1	T	T		T	8	9	7	6	5	4	2	1				
SHARPSBURG 5 S	SNOWFALL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T	6.2	4.8										
	SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T	6	10	6	4	2	-	T	T				
WILLIAMSPORT ALLEGHENY PLATEAU 08	SNOWFALL																																
	SNOWFALL																																
OAKLAND 1 SE	SNOWFALL		1.4					0.5	0.7	8.3	0.5			3.0	4.0	4.0	1.5					1.0	1.0										
	SN ON GND		1							8	8	7	5	8	10	12	10	8	4	2		1	1										
SAVAGE RIVER DAM	SNOWFALL							1.0	T				T	T		T					T	5.0	2.0										
	SN ON GND							1	1	1	T			T	T		T					5	4	2	1	1							
SINES DEEP CREEK	SNOWFALL		0.2	-	-			1.0	1.0	8.0	-	-		2.0	5.0		2.0	-	-			4.0	-		-	-							
	SN ON GND			-	-			1	2	9	-	-	1	4	8	6	6	-	-	1		4	5	4	-	-	1	1					
DELAWARE NORTHERN 01	SNOWFALL																																
	SNOWFALL																																
WILMINGTON NEW CASTLE CO AP	SNOWFALL		0.1				1.4	4.6					T	T		T					1.4	6.7											
	SN ON GND							2	4	3	2			T								1	6	1									
WILMINGTON PORTER RSCH	WTR EQUIV							1.2	1.4	0.9	-	-	-	-	-	-	-	-	-	-	-	-	1.1	-	-	-	-	-	-	-	-	-	-
	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
ALLEGHENY PLATEAU 08 SAVAGE RIVER DAM	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M

Evaporation: Is measured in hundreths of inches.

Wind: Is measured in miles.

Max and Min: The maximum and minimum temperatures (Fahrenheit) of the water in the evaporation pan.

# STATION INDEX

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES			
							LOCAL STD TIME			
							TEMP	PRECIP	EVAP	SPECIAL SEE (NOTES)
MARYLAND										
ABERDEEN PHILLIPS FLD	0015	06	HARFORD	39 28	76 10W	57	07	07		CH
BALTIMORE-WASHINGTON INTL AP R	0465	04	ANNE ARUNDEL	39 10	76 41W	156	24	24		HJ
BELTSVILLE	0700	04	PRINCE GEORGE'S	39 2	76 56W	145	08	08	08	GCH
CONOWINGO DAM	2060	06	HARFORD	39 39	76 11W	40	07	07		H
CUMBERLAND 2	2282	07	ALLEGANY	39 39	78 45W	730	07	07		H
CYLBURN	2308	06	BALTIMORE	39 21	76 39W	235	08	08		H
DALECARLIA RSVR	2325	04	DISTRICT OF COLUMBIA	38 56	77 7W	150	08	08		H
DAMASCUS 3 SSW	2336	06	MONTGOMERY	39 16	77 14W	700	22	22		H
EMMITSBURG 2 SE	2906	06	FREDERICK	39 41	77 17W	403	07	07		H
FROSTBURG 2	3415	07	ALLEGANY	39 40	78 56W	2170	07	07		H
HAGERSTOWN 1 E	1790	07	WASHINGTON	39 38	77 42W	532	24	24		H
MARYLAND SCI CTR R	5718	04	BALTIMORE (CITY)	39 17	76 37W	20	24	24		H
MECHANICSVILLE 5 NE	5865	03	ST. MARY'S	38 30	76 44W	100	07	07		H
MILLERS 4 NE	5934	06	CARROLL	39 43	76 48W	860	18	18		CH
NATL ARBORETUM DC	6350	04	DISTRICT OF COLUMBIA	38 55	76 58W	50	08	08		H
OAKLAND 1 SE	6620	08	GARRETT	39 25	79 24W	2420	07	07		H
OXON HILL	6800	04	PRINCE GEORGE'S	38 48	76 60W	186	07	07		H
PRINCESS ANNE	7330	01	SOMERSET	38 13	75 41W	20	17	17		H
REISTERSTOWN 2 NW	7580	06	BALTIMORE	39 30	76 50W	737	08	08		H
ROYAL OAK 2 SSW //	7806	02	TALBOT	38 43	76 11W	10	17	17		H
SALISBURY 2N	8004	01	WICOMICO	38 24	75 36W	20	17	17		H
SALISBURY FAA AP //R	8005	01	WICOMICO	38 20	75 31W	47	24	24		H
SAVAGE RIVER DAM	8065	08	GARRETT	39 31	79 8W	1495	08	08	08	CH
SHARPSBURG 5 S	8207	07	WASHINGTON	39 24	77 43W	500	07	07		H
SINES DEEP CREEK	8315	08	GARRETT	39 31	79 25W	2040	07	07		H
SMITHSBURG 2NW	8371	06	WASHINGTON	39 40	77 35W	670	08	08		H
SNOW HILL 4 N	8380	01	WORCESTER	38 14	75 23W	30	17	17		H
SOLOMONS	8405	03	CALVERT	38 19	76 27W	12	08	08		H
STEVENSVILLE 2SW	8557	05	QUEEN ANNE'S	38 58	76 20W	10	07	07		H
SUDLERSVILLE 1S	8657	05	QUEEN ANNE'S	39 10	75 51W	100		20		H
WILLIAMSPORT	9570	07	WASHINGTON	39 37	77 51W	360		06		CH
DELAWARE										
DOVER //	2730	02	KENT	39 9	75 30W	30	16	16		H
WILMINGTON NEW CASTLE CO AP R	9595	01	NEW CASTLE	39 40	75 36W	79	24	24		HJ
WILMINGTON PORTER RSCH	9605	01	NEW CASTLE	39 46	75 32W	270	24	24		H

# REFERENCE NOTES

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

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

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

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

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

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

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

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

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

## SYMBOLS AND LETTERS USED IN THE STATION INDEX TABLE

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

## SYMBOLS AND LETTERS USED IN THE DATA TABLES

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

BLANK Entries in the "Monthly Summarized Data" table indicate no record.  
BLANK Entries in the "Daily Precipitation" and "Snowfall and Snow on the Ground" tables indicate zero.  
BLANK Entries in the "Daily Temperature" table indicate a missing record

- No record. Data not recorded or not received in time for publication.  
+ Precipitation or temperature extremes occurred on one or more previous dates during the month.  
\* Rain gage not read. Precipitation is included in the amount following the asterisks.  
Time distribution may not be known. A \* preceding the monthly total indicates precipitation amount is being carried forward to next month's total, and may include amounts from the previous month(s).  
a As a subscript, indicates accumulated total.  
A Amount of precipitation is the total of observer's entries for the current month. It may include precipitation that occurred during the previous month. Refer to earlier bulletin to determine date of last

reading. (Hawaii stations)

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

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

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

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

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

R Amounts from recording rain gage.

T Trace. An amount too small to measure.

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

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

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

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

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

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

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

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

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

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

### **Hourly Precipitation Data**

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

### **Climatological Data**

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

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

### **Storm Data**

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

### **Monthly Climatic Data for the World**

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

### **Local Climatological Data**

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

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