CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

MAY 2017

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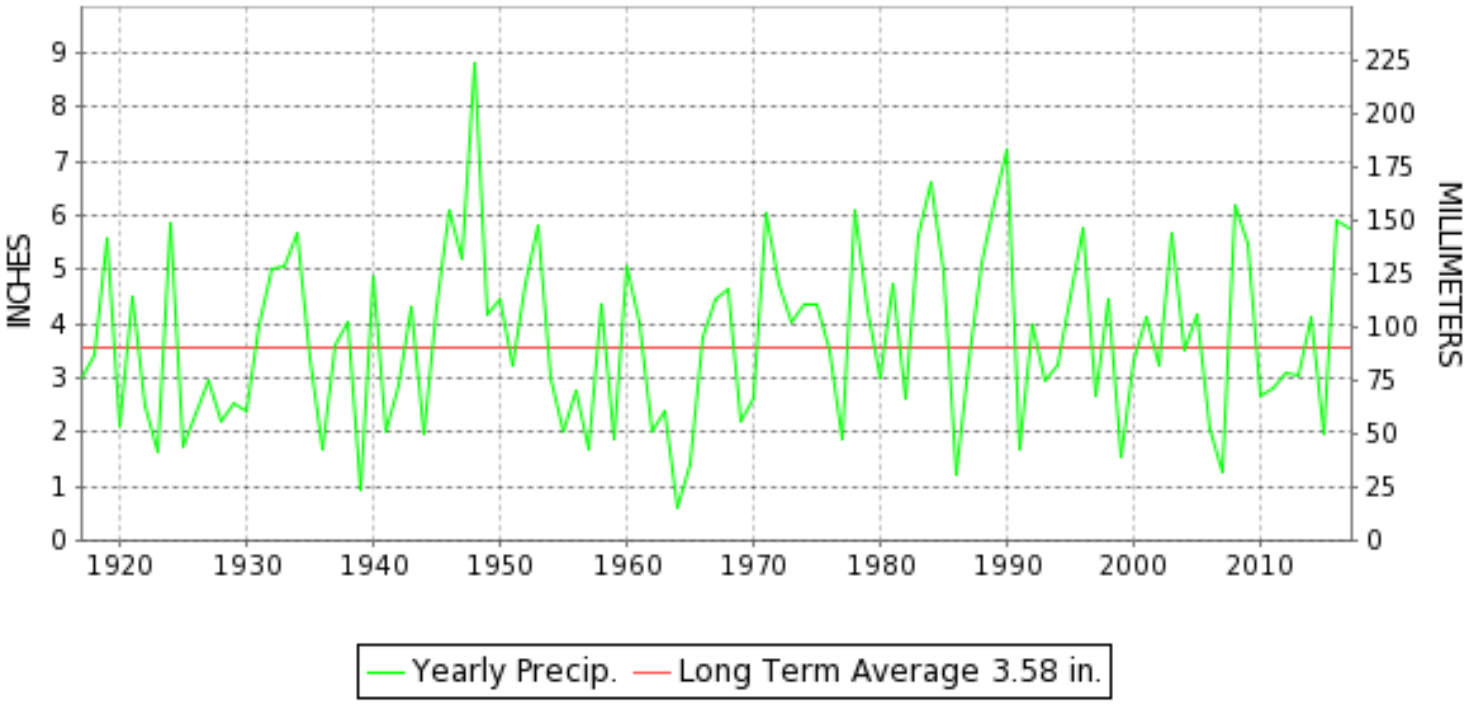
MAY PRECIPITATION BY YEAR



TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND			
HIGHEST TEMPERATURE	95	MAY 17	SNOW HILL 4 N
LOWEST TEMPERATURE	27	MAY 10	SINES DEEP CREEK
GREATEST TOTAL PRECIPITATION	8.83		FROSTBURG 2
LEAST TOTAL PRECIPITATION	4.27		2 STATIONS
GREATEST 1 DAY PRECIPITATION	2.15	MAY 22	SUDLERSVILLE 1S
GREATEST TOTAL SNOWFALL	T		2 STATIONS
GREATEST DEPTH OF SNOW OR ICE	T		ROYAL OAK 2 SSW

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Centers for Environmental Information
Asheville, North Carolina

DELAWARE

HIGHEST TEMPERATURE	92	MAY 17	DOVER
LOWEST TEMPERATURE	38	MAY 08	WILMINGTON PORTER RSCH
GREATEST TOTAL PRECIPITATION	7.66		DOVER
LEAST TOTAL PRECIPITATION	5.14		WILMINGTON PORTER RSCH
GREATEST 1 DAY PRECIPITATION	2.18	MAY 22	DOVER

MARYLAND AND DELAWARE
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MONTHLY STATION AND DIVISION SUMMARY

STATION	TEMPERATURE (°F)														PRECIPITATION (IN)									
											NO. OF DAYS								ICE PELLETS, SNOW			NO. OF DAYS		
											MAX		MIN											
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEG. DAYS	COOLING DEG. DAYS	>=90	<=32	<=32	<=0	TOTAL	DEPARTURE FROM NORMAL	GREATEST 24 HOURS	DATE	TOTAL	MAX DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
MARYLAND																								
SOUTHERN																								
EASTERN SHORE 01																								
ASSATEAGUE	M	M	M								0	0	0	0	M				M					
PRINCESS ANNE	73.9M	54.0M	64.0M	0.4	91	17	41	10	109E	85E	2	0	0	0	M 4.54	0.96	1.21	12	M			8	7	2
SALISBURY 2N	74.4	55.2	64.8		91	17	43	09+	93	94	3	0	0	0	6.43		1.51	05	M			18	10	2
SALISBURY FAA AP	72.2	53.0	62.6	0.0	91	17	42	09+	133	68	2	0	0	0	5.08	1.46	1.61	05	M 0.0	0		14	11	1
SNOW HILL 4 N	76.7	52.0	64.3	-0.4	95	17	39	09+	107	95	4	0	0	0	4.27	0.75	1.02	05	M			13	8	1
--DIVISIONAL DATA------->			63.9	0.7B											5.26	1.64B								
CENTRAL																								
EASTERN SHORE 02																								
ROYAL OAK 2 SSW	73.9	55.5	64.7	-0.7	92	19	38	15	90	89	2	0	0	0	6.04	1.85	1.18	13	T	T	26	17	9	1
--DIVISIONAL DATA------->			64.7	0.4B											6.04	2.13B								
LOWER SOUTHERN 03																								
MECHANICSVILLE 5 NE	70.8	52.8	61.8	-0.7	90	18	37	10+	161	68	1	0	0	0	6.73	2.53	1.35	12	0.0	0		14	9	3
SOLOMONS	M	M	M		89	18	49	12	73E	115E	0	0	0	0	MA 4.78		1.28	11	M	0		8	5	1
--DIVISIONAL DATA------->			61.8	-1.6B											6.73	2.59B								
UPPER SOUTHERN 04																								
BALTIMORE-WASHINGTON INTL AP	72.2	52.5	62.3	-0.6	93	17	36	09	131	59	3	0	0	0	5.64	1.65	1.39	05	T	0		16	12	2
BALTIMORE WASHINGTON INTL CLIM															M				M					
BELTSVILLE	71.5	53.7	62.6	-0.8	91	18	37	09	131	65	2	0	0	0	6.61	2.29	1.41	06	0.0	0		16	11	1
DALECARLIA RSVR	73.0	54.4	63.7	-1.4	93	20+	39	09	116	83	3	0	0	0	7.79	3.35	1.45	06	0.0	0		15	12	3
MARYLAND SCI CTR	73.1	57.7	65.4	-0.7	94	18	46	08	73	95	3	0	0	0	4.27	0.78	1.42	05	M			11	6	1
NATL ARBORETUM DC	73.9	55.4	64.6	-1.3	94	18	40	10+	103	98	3	0	0	0	6.89	2.61	1.87	06	0.0	0		15	13	2
OXON HILL	73.6	54.9	64.3	-0.7	93	18	41	09	107	92	3	0	0	0	6.65	2.29	1.53	12	0.0	0		15	12	2
--DIVISIONAL DATA------->			63.8	0.2B											6.31	1.87B								
NORTHERN																								
EASTERN SHORE 05																								
STEVENSVILLE 2SW	72.3	55.9	64.1	0.8	93	20	47	09	99	79	3	0	0	0	5.42		1.06	13	0.0	0		14	9	2
SUDLERSVILLE 1S															6.56		2.15	22	0.0	0		13	12	2
--DIVISIONAL DATA------->			64.1	1.1B											5.99	1.84B								
NORTHERN CENTRAL 06																								
ABERDEEN PHILLIPS FLD	69.6	53.1	61.4	-1.1	90	20+	39	08	150	46	2	0	0	0	MA 5.09	1.14	0.71	25	0.0	0		9	8	0
BRIGHTON DAM	70.8M	51.2M	61.0M		91	20+	35	09	165E	38E	3	0	0	0	5.01		0.75	13	0.0	0		16	10	0
CONOWINGO DAM	68.5	51.4	59.9	-3.9	90	20	37	09	185	34	1	0	0	0	4.91	0.95	1.20	06	0.0	0		10	10	3
CYLBURN	M	M	M								0	0	0	0	A 5.67		1.20	06	0.0	0		10	8	1
DAMASCUS 3 SSW	69.3	51.7	60.5	-1.2	91	17	35	09	180	49	1	0	0	0	4.46	0.29	1.45	05	0.0	0		16	7	2
EMMITSBURG 2 SE	70.1M	50.1	60.1M	-0.6	90	19+	34	10+	187E	45E	2	0	0	0	6.52	2.18	1.42	06	0.0	0		16	10	2

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MONTHLY STATION AND DIVISION SUMMARY

STATION	TEMPERATURE (°F)														PRECIPITATION (IN)								
											NO. OF DAYS								ICE PELLETS, SNOW			NO. OF DAYS		
											MAX		MIN											
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEG. DAYS	COOLING DEG. DAYS	>=90	<=32	<=32	<=0	TOTAL	DEPARTURE FROM NORMAL	GREATEST 24 HOURS	DATE	TOTAL	MAX DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
MILLERS 4 NE	69.6	50.7	60.2	-0.6	88	18+	34	09	188	45	0	0	0	0	5.33	1.07	2.03	05	0.0	0		19	11	1
REISTERSTOWN 2 NW	70.5	51.8	61.1		91	18	38	09	167	55	3	0	0	0	6.46		1.48	26	M 0.0	0		17	10	3
SMITHSBURG 2NW	68.9M	49.1M	59.0M	-1.3	90	18	31	09	219E	43E	1	0	3	0	A 5.38	1.24	1.12	05	M 0.0	0		14	11	1
--DIVISIONAL DATA------->			60.4	-1.9B											5.47	0.85B								
APPALACHIAN																								
MOUNTAIN 07																								
CUMBERLAND 2	71.5	51.2	61.4	-2.4	94	18	34	09	166	62	3	0	0	0	6.20	2.18	1.55	05	0.0	0		12	9	3
FROSTBURG 2	65.2	46.5	55.8	-0.8	86	18	29	09+	307	28	0	0	3	0	8.83	3.95	1.70	05	0.0	0		17	12	3
SHARPSBURG 5 S	71.2	49.5	60.4	-0.7	92	18	31	09	185	50	3	0	3	0	5.61	1.45	1.28	05	0.0	0		17	11	2
WILLIAMSPORT															M 5.05	0.90	1.74	05	M			12	7	3
--DIVISIONAL DATA------->			59.2	-1.1B											6.88	2.67B								
ALLEGHENY PLATEAU 08																								
OAKLAND 1 SE	68.9	48.0	58.4	2.3	86	19+	28	09	233	39	0	0	2	0	6.62	1.48	1.04	05	0.0	0		21	15	1
SAVAGE RIVER DAM	66.1	47.8	56.9	-0.8	85	18	30	10	261	19	0	0	2	0	7.64	3.12	1.02	25	M			15	12	3
SINES DEEP CREEK	68.1M	43.0M	55.5M		85	01	27	10	287E	3E	0	0	3	0	A 8.00		1.30	05	M 0.0	0		10	8	1
--DIVISIONAL DATA------->			56.9	0.4B											7.42	2.88B								
DELAWARE																								
NORTHERN 01																								
WILMINGTON NEW CASTLE CO AP	70.9	52.9	61.9	-0.9	91	19+	39	09+	148	61	3	0	0	0	5.86	1.91	1.88	25	0.0	0		14	6	3
WILMINGTON PORTER RSCH	68.3	50.5	59.4	-3.0	90	19	38	08	193	29	1	0	0	0	5.14	0.76	1.70	25	0.0	0		8	8	3
--DIVISIONAL DATA------->			60.7	-1.9B											5.50	1.08B								
SOUTHERN 02																								
DOVER	71.8	55.0	63.4	-0.8	92	17	42	09+	120	76	3	0	0	0	A 7.66	3.41	2.18	22	0.0	0		13	6	4
--DIVISIONAL DATA------->			63.4	0.5B											7.66	3.54B								

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DAILY PRECIPITATION (INCHES)

STATION	TOTAL	DAY OF MONTH																													
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MARYLAND																																
SOUTHERN																																
EASTERN SHORE 01																																
ASSATEAGUE	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRINCESS ANNE	M 4.54						-	-	0.15			0.41	1.21	-	-						-	-	0.48	0.51	0.61	1.15		-	-		0.02	
SALISBURY 2N	6.43		0.11			1.51	0.03	0.02				0.38	0.10	1.20	0.03						0.01		0.93	0.04	0.46	0.88	0.46		0.03	0.19	0.04	0.01
SALISBURY FAA AP	5.08		0.12		T	1.61	0.04	0.02	T			0.40	0.43	0.70			T			T			0.47	0.24	0.35	0.37		T	0.21	T	0.11	0.01
SNOW HILL 4 N	4.27					1.02	0.02					0.39	0.05	0.98									0.41	0.06	0.20	0.61	0.19	0.23	0.02	0.09	T	
CENTRAL																																
EASTERN SHORE 02																																
ROYAL OAK 2 SSW	6.04		0.04			0.76	0.02	T				0.58	0.05	1.18	0.07						0.04		0.86	T	0.28	0.93	0.62	0.02	0.14	0.36	0.03	0.06
LOWER SOUTHERN 03																																
MECHANICSVILLE 5 NE	6.73		0.02			1.04	0.08	0.06	T			T	1.35	1.18	T					0.03	T		0.90	0.35	0.31	0.61	0.12		T	0.05		0.63
SOLOMONS	MA 4.78	0.01			-	*	*	*	0.05[a]		T	1.28	0.95	*	T[a]						*	*	0.71[a]	0.07	0.41	0.33	*	*	*	*	0.38[a]	0.55	0.04
UPPER SOUTHERN 04																																
BALTIMORE-WASHINGTON INTL AP	5.64	0.01	T		0.15	1.39	0.03	T				0.56	0.20	0.59					T	0.36	T		0.19	0.04	0.39	1.04	T	0.02	0.19	T	0.10	0.38
BALTIMORE WASHINGTON INTL CLIM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BELTSVILLE	6.61		0.02			0.94	1.41	0.04					0.91	0.90	0.01						0.13		0.19	0.08	0.38	0.64	0.21		0.02	0.54		0.19
DALECARLIA RSVR	7.79		0.02			1.30	1.45	0.18	0.01				1.20	0.83									0.27	0.12	0.30	0.67	0.32		0.02	0.50		0.60
MARYLAND SCI CTR	4.27				0.08	1.42						0.28	0.07	0.84						0.43			0.10		0.05	0.94			0.05			0.01
NATL ARBORETUM DC	6.89		T			0.64	1.87	0.10					1.00	0.97	0.02						0.20		0.14	0.15	0.20	0.65	0.43		0.01	0.40	T	0.11
OXON HILL	6.65		0.02			0.86	1.03	0.15	T				1.53	0.93	T					0.06			0.10	0.16	0.12	0.56	0.49		0.03	0.11	T	0.50
NORTHERN																																
EASTERN SHORE 05																																
STEVENSVILLE 2SW	5.42					0.08	1.00		0.05				0.34	1.06	0.13								0.28	0.75	0.07	0.46	0.75		0.02	0.41		0.02
SUDLERSVILLE 1S	6.56	T			0.10	0.80	0.24					0.25	0.40	0.40						0.10			2.15	T		1.10	0.10		0.10	0.75		0.07
NORTHERN CENTRAL 06																																
ABERDEEN PHILLIPS FLD	MA 5.09					0.26	*	*	1.00[a]				0.21	*	*	1.25[a]					0.12		0.05	0.23	0.11	0.71	0.58	-	*	*	0.47[a]	0.10
BRIGHTON DAM	5.01		0.05			0.57	0.05	0.30				0.30	0.60	0.75	0.05							0.05	0.44	0.05	0.30	0.70	0.56			0.22	0.02	
CONOWINGO DAM	4.91					0.15	1.20						0.15	1.06	0.21									0.20	0.15	0.51	1.17		0.11			
CYLBURN	A 5.67					0.87	1.20	*	*	0.05[a]			0.66	0.77	0.04						0.46		*	0.22[a]	0.16	0.50	0.50	*	*	*	0.20[a]	0.04
DAMASCUS 3 SSW	4.46	T	0.03		0.04	1.45	0.08	T				1.01	0.02	0.48	0.02				0.05				0.27	0.11	0.16	0.68	0.02	0.01	T		0.03	
EMMITSBURG 2 SE	6.52		0.02			1.25	1.42	0.09	T				0.64	0.52	0.02						0.21		0.01	0.08	0.35	0.50	0.93		0.21	0.24	T	0.03
MILLERS 4 NE	5.33		T			2.03	0.11	0.03				0.43	0.03	0.69	0.02				T	0.23	0.01		0.32	0.01	0.22	0.50	0.10	0.38	0.14	0.03	0.04	0.01
REISTERSTOWN 2 NW	6.46		0.02			1.00	1.45	0.05					0.45	0.68	0.02						0.26		0.06	0.13	0.25	0.37	1.48		0.18	0.02	0.02	0.02
SMITHSBURG 2NW	A 5.38	0.18		*	0.00[a]	1.12	0.50	0.15					0.73	0.35	0.05						0.06				0.35	0.45	0.63	0.05	0.30	0.46		
APPALACHIAN																																
MOUNTAIN 07																																
CUMBERLAND 2	6.20		0.10			1.55	0.50	0.05				0.25	1.24	0.63	T						T	0.01	T		0.22	1.45			0.12	0.08		
FROSTBURG 2	8.83		0.96	0.04	0.01	1.70	0.87	0.15				0.76	1.15	0.79	T						T	0.06	0.03		0.21	1.62	0.01		0.14	0.22		0.11
SHARPSBURG 5 S	5.61		0.09			1.28	0.49	0.10	0.01			T	1.17	0.45	0.02								0.15	0.01	0.27	0.69	0.44	0.02	0.03	0.17		0.22
WILLIAMSPORT	M 5.05	-	0.01		-	1.74	1.34	0.13	0.03				1.04	0.34	0.08				0.01		0.04			-	-	-	-	-	0.14	0.15	-	-

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DAILY PRECIPITATION (INCHES)

STATION	TOTAL	DAY OF MONTH																													
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
ALLEGHENY PLATEAU 08																																
OAKLAND 1 SE	6.62		0.80	0.02	0.04	1.04	0.13	0.36	0.12			0.35	0.47	0.59	0.05								0.14	0.02	0.47	0.56	0.25	0.03	0.66	0.26	0.09	0.17
SAVAGE RIVER DAM	7.64		0.80			0.97	0.42	0.05				0.80	1.00	0.49									0.08		0.54	1.02	0.11	0.05	0.20	1.01	T	0.10
SINES DEEP CREEK	A 8.00	1.15[a]	0.55		0.05	1.30	*	*	0.80[a]			0.50	0.80	*	*	0.40[a]					*	*	0.15[a]	0.05	0.35	0.65	0.35	*	*	*	0.70[a]	0.20
DELAWARE																																
NORTHERN 01																																
WILMINGTON NEW CASTLE CO AP	5.86	T			0.01	1.65	0.01	0.02				0.10	0.09	1.54	T					T			0.37	0.01	0.02	1.88	T	T	0.10	0.02	0.04	
WILMINGTON PORTER RSCH	5.14				T	1.33		T				0.14		1.09									0.45			1.70	0.13			0.16	0.14	
SOUTHERN 02																																
DOVER	A 7.66		0.06			1.18	0.01		0.05			0.08		1.69							0.02		2.18		0.17	1.01	0.04	*	*	1.00[a]	0.16	0.01

MARYLAND AND DELAWARE
201705

DAILY TEMPERATURES (°F)

STATION	OB.TIME	MAX/MIN	DAY OF MONTH																													AVERAGE
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MARYLAND																																		
SOUTHERN																																		
EASTERN SHORE 01																																		
ASSATEAGUE	VA	MAX																																M
		MIN																																M
PRINCESS ANNE	17	MAX	84	80	76	70	65			61	65	73	65	60			72	78	91	89	90			71	66	63	78	77			76	70	80	73.9
		MIN	68	53	46	44	58			42	42	41	50	50			51	45	54	69	69			60	56	55	56	57			59	58	60	54.0
SALISBURY 2N	17	MAX	85	84	76	66	71	69	63	62	65	73	73	58	58	77	77	78	91	90	90	89	68	71	71	64	78	76	80	75	76	74	79	74.4
		MIN	66	60	53	47	58	57	45	43	43	45	53	49	50	46	49	47	60	71	71	65	48	60	61	55	56	57	58	57	60	58	63	55.2
SALISBURY FAA AP	24	MAX	84	76	70	65	70	66	63	61	65	73	57	58	58	78	72	78	91	88	90	71	69	71	66	63	78	77	80	76	76	68	80	72.2
		MIN	68	53	46	44	58	45	43	42	42	43	50	50	51	46	51	45	54	69	69	50	48	60	56	55	55	57	57	57	58	58	63	53.0
SNOW HILL 4 N	17	MAX	87	81	77	68	69	68	65	64	67	74	73	69	67	78	78	79	95	90	92	91	69	71	70	80	81	81	80	76	77	80	80	76.7
		MIN	67	65	47	39	54	49	40	40	39	40	49	48	48	41	47	41	52	67	67	61	44	56	57	55	54	52	64	54	57	59	58	52.0
CENTRAL																																		
EASTERN SHORE 02																																		
ROYAL OAK 2 SSW	17	MAX	84	78	68	69	71	69	64	63	65	72	64	59	57	78	74	79	91	89	92	89	71	68	68	69	78	78	77	77	80	69	80	73.9
		MIN	66	67	57	56	63	53	50	50	43	47	51	51	47	46	38	48	57	57	71	50	55	57	57	60	62	65	58	57	61	58	63	55.5
LOWER SOUTHERN 03																																		
MECHANICSVILLE 5 NE	07	MAX	86	82	75	66	64	70	60	61	61	64	73	52	57	57	78	73	77	90	87	89	71	67	67	65	64	72	74	72	72	80	68	70.8
		MIN	69	66	51	44	44	55	45	41	37	37	40	49	48	43	45	47	48	63	69	64	53	55	57	56	56	56	58	58	62	61	60	52.8
SOLOMONS	08	MAX	83	76	66	65				65	72	58	59			74	83	84	89				67	64	79					75	75	M	
		MIN	67	58	55	59				51	58	51	49			55	62	72	72				60	57	58					64	64	M	
UPPER SOUTHERN 04																																		
BALTIMORE-WASHINGTON INTL AP	24	MAX	82	76	65	66	71	66	63	62	65	74	60	58	58	78	74	82	93	92	92	70	68	69	65	65	74	75	74	75	76	66	83	72.2
		MIN	58	53	47	44	55	47	45	37	36	41	51	49	47	43	49	45	55	70	67	59	57	56	55	56	56	56	55	56	62	59	62	52.5
BELTSVILLE	08	MAX	83	80	75	64	65	73	58	62	62	66	73	55	58	58	79	74	82	91	89	90	69	67	70	65	65	75	74	71	74	82	67	71.5
		MIN	59	66	54	54	53	54	41	38	37	41	53	50	48	42	50	47	54	64	64	66	57	56	55	56	56	57	56	56	62	59	60	53.7
DALECARLIA RSVR	08	MAX	87	83	77	64	67	73	58	63	63	65	74	56	57	78	78	74	82	93	92	93	69	68	72	66	65	74	76	71	74	82	70	73.0
		MIN	61	67	56	46	53	54	43	42	39	43	43	50	47	50	51	47	57	66	68	67	57	58	56	56	56	55	56	58	62	61	61	54.4
MARYLAND SCI CTR	24	MAX	84	78	67	66	71	68	64	64	67	74	63	60	58	79	76	81	92	94	93	72	68	69	67	68	74	76	75	76	76	67	80	73.1
		MIN	60	65	57	55	57	51	48	46	49	53	52	50	50	49	53	57	64	75	70	61	59	58	62	59	57	60	63	63	63	60	64	57.7
NATL ARBORETUM DC	08	MAX	86	84	78	66	67	81	58	64	64	68	76	58	59	60	77	77	82	94	93	93	72	69	73	67	66	76	77	74	75	84	73	73.9
		MIN	61	63	59	48	51	57	47	44	40	40	45	53	50	46	53	50	50	60	68	68	58	58	59	59	58	62	59	60	67	61	62	55.4
OXON HILL	07	MAX	88	83	77	65	67	81	59	64	63	67	76	56	62	63	80	76	82	93	90	91	72	68	73	65	64	75	76	74	74	84	73	73.6
		MIN	63	67	58	48	55	55	46	45	41	44	47	48	48	45	48	52	53	64	71	67	56	57	58	56	56	55	57	59	62	61	61	54.9
NORTHERN																																		
EASTERN SHORE 05																																		
STEVENSVILLE 2SW	07	MAX	84	83	77	65	67	70	62	64	65	65	71	57	59	60	77	73	78	90	91	93	78	69	65	67	68	76	75	70	76	79	68	72.3
		MIN	59	59	59	51	52	57	49	49	47	49	53	51	48	48	53	52	60	70	70	65	56	56	57	56	55	55	60	58	61	59	59	55.9
NORTHERN CENTRAL 06																																		
ABERDEEN PHILLIPS FLD	07	MAX	75	81	75	65	63	72	59	60	61	63	69	56	57	55	74	73	78	90	89	90	67	66	63	65	66	72	76	71	74	68	65	69.6
		MIN	55	56	59	47	52	58	46	39	42	44	47	50	48	44	47	46	49	59	68	66	56	56	55	56	55	55	56	59	59	58	59	53.1

MARYLAND AND DELAWARE
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DAILY TEMPERATURES (°F)

STATION	OB.TIME	MAX/MIN	DAY OF MONTH																													AVERAGE
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
BRIGHTON DAM	08	MAX	80	79	79	62	64	70	55	61	60	63	72	58	58	59	75	73	79	91	91	91		65	68	64	65	72	72	74	74	80	69	70.8
		MIN	58		52	42	42	54	43	37	35	39	55	50	52	41	46	50	54	55	55	55	55	57	55	58	59	57	54	54	54	59	58	51.2
CONOWINGO DAM	07	MAX	74	80	75	64	61	68	58	59	60	63	65	55	57	54	73	71	76	85	88	90	69	65	63	65	67	71	74	70	71	69	62	68.5
		MIN	54	55	56	44	44	57	44	39	37	38	44	49	47	45	47	47	49	57	64	65	55	54	56	55	55	55	54	55	59	56	56	51.4
CYLBURN	08	MAX																																M
		MIN																																M
DAMASCUS 3 SSW	22	MAX	77	73	61	63	71	64	60	60	63	70	59	53	53	74	73	80	91	89	89	71	63	67	61	64	69	71	67	70	78	66	79	69.3
		MIN	57	58	48	45	50	46	43	37	35	44	48	47	45	43	47	47	59	69	64	60	54	54	54	54	53	54	53	57	60	57	61	51.7
EMMITSBURG 2 SE	07	MAX	80	79	72	63	63	72		61	61	65	69	57	56	54	74	74	79	90	90	87	69	65	66	65	68	66	71	66	73	80	67	70.1
		MIN	59	56	55	43	43	51	46	37	34	34	41	48	46	40	41	44	44	53	68	59	56	56	52	52	55	55	53	53	60	59	59	50.1
MILLERS 4 NE	18	MAX	77	75	67	64	69	67	58	58	62	65	61	55	53	71	71	76	88	88	85	82	64	65	65	69	68	70	68	72	74	71	79	69.6
		MIN	55	60	51	42	49	48	42	37	34	43	48	46	44	41	46	43	56	66	65	59	54	53	53	52	53	54	52	53	58	56	60	50.7
REISTERSTOWN 2 NW	08	MAX	79	80	81	81	62	69	54	60	60	63	69	69	54	53	74	75	80	91	90	90	66	65	66	66	67	71	72	67	73	76	62	70.5
		MIN	55	61	54	45	50	52	42	39	38	44	44	44	44	44	46	49	55	66	69	60	54	54	54	54	53	54	53	57	59	56	57	51.8
SMITHSBURG 2NW	08	MAX	80	69			55	73	54	60	60	65	70	58	54	58	72	72	80	90	88	86	63	66	72	65	68	65	66	65	73	79	73	68.9
		MIN	54	51			48	53	43	32	31	32	41	46	44	41	43	43	44	59	65	61	55	55	49	50	53	53	51	52	53	63	58	49.1
APPALACHIAN MOUNTAIN 07																																		
CUMBERLAND 2	07	MAX	87	83	70	65	60	74	55	60	62	70	79	53	52	64	74	75	85	94	92	90	66	65	73	67	63	73	71	64	65	81	85	71.5
		MIN	61	58	50	47	47	51	46	36	34	35	46	48	48	47	47	44	44	54	64	65	57	57	51	52	55	55	56	56	61	58	58	51.2
FROSTBURG 2	07	MAX	83	77	62	55	61	66	47	53	56	64	73	47	44	56	70	67	82	86	84	82	63	57	70	59	54	66	63	62	61	73	77	65.2
		MIN	57	48	42	41	43	43	36	29	29	30	45	41	41	42	40	42	42	60	61	61	51	51	47	48	50	50	52	54	57	54	53	46.5
SHARPSBURG 5 S	07	MAX	84	81	74	63	65	75	55	63	63	66	74	57	55	60	77	73	82	92	90	90	66	67	71	65	68	70	70	69	73	80	70	71.2
		MIN	61	54	49	40	51	54	42	32	31	32	42	47	47	42	40	40	43	56	63	63	57	56	49	50	55	54	51	55	57	60	61	49.5
ALLEGHENY PLATEAU 08																																		
OAKLAND 1 SE	07	MAX	86	80	65	55	63	70	50	52	57	66	72	72	48	61	69	68	81	86	86	84	76	68	70	61	58	68	68	69	75	74	77	68.9
		MIN	61	50	44	44	44	43	37	32	28	33	44	44	45	41	41	38	42	57	57	64	57	55	47	50	53	54	54	59	62	54	54	48.0
SAVAGE RIVER DAM	08	MAX	78	73	62	55	62	67	49	54	56	64	73	51	47	59	71	67	80	85	82	84	65	63	71	59	57	67	66	64	66	74	77	66.1
		MIN	57	54	48	45	44	48	42	33	31	30	44	45	44	44	43	41	41	54	54	60	54	53	47	47	52	53	53	53	59	54	54	47.8
SINES DEEP CREEK	07	MAX	85	78	64	52	60			72	55	64	71	65			67	67	75	75	82			81	68	60	56	64				71	66	68.1
		MIN	45	48	47	41	45			31	28	27	40	44			37	36	36	50	50			51	44	44	51	51				49	50	43.0
DELAWARE																																		
NORTHERN 01																																		
WILMINGTON NEW CASTLE CO AP	24	MAX	82	76	66	65	68	65	60	61	64	71	57	60	55	74	74	78	90	91	91	73	69	66	67	70	72	77	73	74	66	63	79	70.9
		MIN	53	64	45	43	53	51	45	39	39	46	51	49	47	44	50	47	58	72	70	56	50	55	54	56	55	58	54	59	58	57	62	52.9
WILMINGTON PORTER RSCH	24	MAX	81	74	64	62	65	63	55	57	61	66	54	57	51	70	69	75	88	89	90	74	69	63	64	67	67	73	75	73	63	60	77	68.3
		MIN	50	63	52	45	50	48	43	38	42	46	50	47	46	44	48	48	48	48	68	55	49	52	56	54	52	52	52	52	56	54	59	50.5
SOUTHERN 02																																		
DOVER	16	MAX	82	80	75	65	69	67	59	60	65	72	67	60	56	75	71	77	92	91	90	89	65	66	66	68	78	75	76	70	64	62	75	71.8
		MIN	56	67	53	47	55	58	47	42	42	45	53	52	50	45	51	47	61	72	71	63	52	56	58	56	54	58	56	60	60	58	61	55.0

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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

MARYLAND AND DELAWARE
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SNOWFALL AND SNOW ON GROUND (INCHES)

STATION		DAY OF MONTH																													
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MARYLAND																															
SOUTHERN																															
EASTERN SHORE 01																															
ASSATEAGUE	SNOWFALL																														
PRINCESS ANNE	SNOWFALL																														
SALISBURY 2N	SNOWFALL																														
SALISBURY FAA AP	SNOWFALL				-																										
	SN ON GND																														
SNOW HILL 4 N	SNOWFALL																														
CENTRAL																															
EASTERN SHORE 02																															
ROYAL OAK 2 SSW	SNOWFALL																										T				
	SN ON GND																										T				
UPPER SOUTHERN 04																															
BALTIMORE-WASHINGTON INTL AP	SNOWFALL																														T
	SN ON GND																														
BALTIMORE WASHINGTON INTL CLIM	SNOWFALL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T
BELTSVILLE	SNOWFALL																														
	SN ON GND																														
DALECARLIA RSVR	SNOWFALL																														
	SN ON GND																														
	WTR EQUIV																														
MARYLAND SCI CTR	SNOWFALL																														
NATL ARBORETUM DC	SNOWFALL																														
	SN ON GND																														
OXON HILL	SNOWFALL																														
	SN ON GND																														
DELAWARE																															
NORTHERN 01																															
WILMINGTON NEW CASTLE CO AP	SNOWFALL																														
	SN ON GND																														
WILMINGTON PORTER RSCH	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)

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PAN EVAPORATION AND WIND

STATION		DAY OF MONTH																													TOTAL OR AVERAGE
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MARYLAND																																	
UPPER SOUTHERN 04																																	
BELTSVILLE	WIND	41	109	74	72	72	71	52	65	55	30	23	25	51	58	86	68	18	30	39	39	51	42	14	26	56	39	69	15	26	43	30	1489
	EVAP	0.15	0.27	0.18	0.25	0.17	0.26	0.12	0.07	0.22	0.17	0.19	0.02	0.07	0.08	0.31	0.27	0.19	0.25	0.27	0.28	0.16	0.15	0.04	0.07	0.12	0.10	0.19	0.05	0.06	0.18	0.03	4.94
	MAX	76	76	76	67	66	68	58	63	67	72	78	54	55	59	75	74	84	92	92	92	72	67	68	64	64	76	74	69	70	82	63	71.6
	MIN	55	60	50	45	45	53	42	41	42	42	49	48	46	44	46	47	50	58	64	65	52	54	55	55	53	53	55	57	60	60	59	51.8
ALLEGHENY PLATEAU 08																																	
SAVAGE RIVER DAM	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M

Evaporation: Is measured in hundreths of inches.
Wind: Is measured in miles.
Max and Min: The maximum and minimum tempertures (Fahrenheit) of the water in the evaporation pan.

STATION INDEX

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES			
							LOCAL STD TIME			
							TEMP	PRECIP	EVAP	SPECIAL SEE (NOTES)
MARYLAND										
ABERDEEN PHILLIPS FLD	0015	06	HARFORD	39 28	76 10W	57	07	07		CH
ASSATEAGUE	0335	01	WORCESTER	38 4	75 13W	10	VAR	VAR		H
BALTIMORE WASHINGTON INTL CLIM	0467	04	ANNE ARUNDEL	39 11	76 39W	101		24		H
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
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	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
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 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	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		H
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
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).

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