



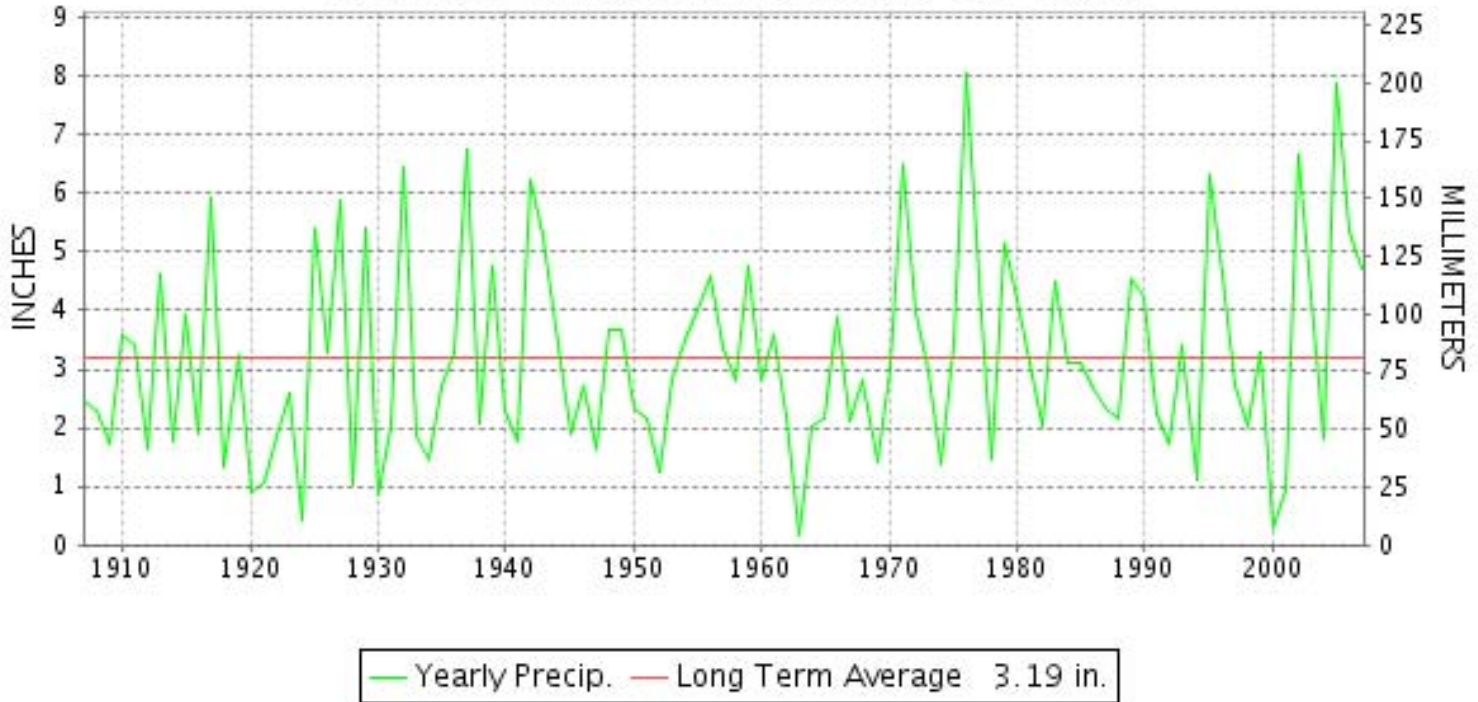
# CLIMATOLOGICAL DATA

## MARYLAND AND DELAWARE



OCTOBER 2007  
VOLUME 111 NUMBER 10  
ISSN 0145-054

### OCTOBER PRECIPITATION BY YEAR



#### TEMPERATURE AND PRECIPITATION EXTREMES

##### MARYLAND

HIGHEST TEMPERATURE	95	OCTOBER 10+	3 STATIONS
LOWEST TEMPERATURE	22	OCTOBER 29	OAKLAND 1 SE
GREATEST TOTAL PRECIPITATION	7.55		OXON HILL
LEAST TOTAL PRECIPITATION	2.56		CUMBERLAND 2
GREATEST 1 DAY PRECIPITATION	4.43	OCTOBER 27	OXON HILL

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**DELAWARE**

HIGHEST TEMPERATURE	91	OCTOBER 8	GREENWOOD 2NE
LOWEST TEMPERATURE	30	OCTOBER 29	BEAR 2 SW
GREATEST TOTAL PRECIPITATION	5.94		WILMINGTON PORTER RSVR
LEAST TOTAL PRECIPITATION	4.19		GREENWOOD 2NE
GREATEST 1 DAY PRECIPITATION	1.85	OCTOBER 27	DOVER



# MONTHLY STATION AND DIVISION SUMMARY

STATION	TEMPERATURE (°F)											PRECIPITATION (IN)												
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEG. DAYS	COOLING DEG. DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST 24 HOURS	DATE	ICE PELLETS, SNOW			NO. OF DAYS		
											MAX		MIN						TOTAL	MAX DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
											>=90	<=32	<=32	<=0										
FREDERICK 2 NNE	74.3	50.2	62.3		90	10+	32	30+	162	84	2	0	2	0	3.36		1.50	27	.0	0		6	2	1
MILLERS 4 NE	71.8	50.5	61.2	6.2	89	9	29	29	181	69	0	0	1	0	3.84	.40	1.28	27	.0	0		7	2	1
SMITHSBURG 2NW	72.6	47.8	60.2		89	10	28	30+	202	62	0	0	5	0	4.25		1.13	25	.0	0		6	4	3
--DIVISIONAL DATA-----> APPALACHIAN MOUNTAIN 07			62.2	6.9											4.78	1.27			.0					
CUMBERLAND 2	75.4	48.7	62.1	8.2	93	4	29	29	166	83	3	0	3	0	2.56	-.13	.69	24	.0	0		5	3	0
FROSTBURG 2	67.0	46.0	56.5	7.2	82	9	27	30	279	22	0	0	2	0	3.47	.26	.97	27	.0	0		7	3	0
SHARPSBURG 5 S	74.9	48.1	61.5		92	10	30	30+	178	79	2	0	2	0	4.05		1.45	27	M .0	0		5	3	2
WILLIAMSPORT	74.1	49.7	61.9		91	9	32	30	163	74	2	0	1	0	4.03		1.23	25	.0	0		6	3	3
--DIVISIONAL DATA-----> ALLEGHENY PLATEAU 08			60.5	7.8											3.53	.45			.0					
OAKLAND 1 SE	67.5	39.7	53.6	3.6	83	9	22	29+	349	4	0	0	5	0	3.63	.51	1.10	24	.0	0		7	2	1
SAVAGE RIVER DAM	67.4	45.7	56.6	6.6	84	10+	28	30+	277	24	0	0	3	0	3.55	.74	1.05	25	.0	0		6	3	2
--DIVISIONAL DATA----->  DELAWARE NORTHERN 01			55.1	5.9											3.59	.56			.0					
BEAR 2 SW	73.2	50.2	61.7		90	9	30	29	170	78	1	0	2	0	5.36		1.40	26	.0	0		8	5	2
NEWARK UNIV FARM	M	M	M																M	M				
WILMINGTON NEW CASTLE R	73.5	53.5	63.5	7.7	90	7	33	29	136	96	1	0	0	0	5.92	2.84	1.69	26	.0	0		8	5	2
WILMINGTON PORTER RSVR	70.5	54.5	62.5	6.9	86	8	38	29	150	78	0	0	0	0	5.94	2.64	1.65	26	.0	0		7	3	3
--DIVISIONAL DATA-----> SOUTHERN 02			62.6	6.8											5.74	2.38			.0					
DOVER	75.1	56.2	65.7	6.9	89	9+	36	30+	100	126	0	0	0	0	4.67	1.41	1.85	27	.0	0		7	4	1
GREENWOOD 2NE	74.3	52.3	63.3	7.3	91	8	33	31+	140	95	2	0	0	0	4.19	1.04	.99	20	.0	0		8	3	0
LEWES	74.6	58.6	66.6	7.4	89	9	39	30	73	134	0	0	0	0	5.57	2.15	1.38	25	.0	0		9	5	2
--DIVISIONAL DATA----->			65.2	7.9											4.81	1.43			.0					

MARYLAND AND DELAWARE  
OCTOBER 2007

## 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 SOUTHERN EASTERN SHORE 01</b>																																
ASSATEAGUE	4.02							.05		.10	.23									.39				1.43	1.05	.61	.16					
PRINCESS ANNE	5.42										1.00	.10							*	.34				.92	.88	1.43	.75					
SALISBURY	5.67										1.50	.30	.01							.01	.03	.01		.37	1.88	.51	1.05					
SALISBURY FAA AP	2.88		T			.01		.05		.43	.21	.12	T						.03	.17	.02		.47	.32	.78	.27						
SNOW HILL 4 N	4.96		T			.02		.50		.01	.66	.29							.02	1.08	.03		.47	.60	.68	.60						
<b>CENTRAL EASTERN SHORE 02</b>																																
ROYAL OAK 2 SSW	4.38										.32	.32	.15						.07					.94	.41	.62	1.55					
VIENNA	3.72										.62	.27	.08								.22	.04		.07	1.28	.40	.74					
<b>LOWER SOUTHERN 03</b>																																
MECHANICSVILLE 5 NE	4.79										.03									T	.12			.19	1.34	.34	2.77	T				
SOLOMONS	4.55						*	*	*	*	*	*	*	*	.23					.07	*	.17		.24	.64	.27	2.89	.04				
<b>UPPER SOUTHERN 04</b>																																
BALTIMORE WASH INTL AP R	5.85			T						T	.10	T	.03							.28			.01	.88	.43	2.49	1.63					
BELTSVILLE	5.88											.12	.02											.14	1.60	.12	3.30	.06				
DALECARLIA RESERVOIR	5.16											.14												.34	1.90	.12	2.40	.02				
LAUREL 3 W M	6.13																			.60				.72	1.35	1.37	1.97					
MD SCI CTR BALTIMORE R	7.10									.09	.30	.04	.07							.43			.01	.84	.37	2.71	1.27					
NATL ARBORETUM DC	7.55			T							.41	T								T	.35			.20	1.83	.09	3.98	.24				
OXON HILL	7.55					T	T	T			T	T												.20	2.15	.25	4.43	.22				
UPPER MARLBORO 3 NNW	5.74																							.22	1.66	.20	2.89					
<b>NORTHERN EASTERN SHORE 05</b>																																
CHESTERTOWN	5.77					T				.38		.79								.33				.62	.57	2.38	.70					
<b>NORTHERN CENTRAL 06</b>																																
ABERDEEN PHILLIPS FLD	7.06										1.34	.44	.14							.27	.80			.24	.54	.61	2.68					
CATOCTIN MTN PARK	3.84										.11	.01	.06							.25	.60		.08	.75	.53	.62	.83					
CONOWINGO DAM	5.77	.04									.40	.46	.40												.80	.13	2.00	.85				
CYLBURN	7.00										.18	.40	.17											.19	1.21	.42	3.01	.51				
EMMITSBURG 2 SE	3.15										.08	.10												.24	.90	.09	1.28	.03				
FREDERICK 2 NNE	3.36											.02	.02									T	.40	.27	.80	.13	1.50	.22				
MILLERS 4 NE	3.84					T					.02	.08	.46							.11	.21		T	.43	.47	.78	1.28					
POTOMAC FLTR PLT	2.72											.01								.34				.60	1.14		.63					
SMITHSBURG 2NW	4.25										.11	*	.05											1.10	.65	1.13	.15	1.06				
<b>APPALACHIAN MOUNTAIN 07</b>																																
CUMBERLAND 2	2.56										.17		.06												.69	.65	.09	.60				

MARYLAND AND DELAWARE  
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## DAILY PRECIPITATION (INCHES)

STATION	TOTAL	DAY OF MONTH																															
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
FROSTBURG 2	3.47									.35		.14					T		.03	.21			T	.71	.89	.17	.97						
SHARPSBURG 5 S	4.05											.02							.01	.79			T	.46	1.04	.26	1.45	*	*	*		.02	
WILLIAMSPORT	4.03									.09										1.10				.36	1.23	.10	1.00	.15					
<b>ALLEGHENY PLATEAU 08</b>																																	
OAKLAND 1 SE	3.63								.34	.04	.24							.01	.35				.80	1.10	.07	.49	.17					.02	
SAVAGE RIVER DAM	3.55									.34	T	.07								.05	.28			.60	1.05	.15	1.01						
<b>DELAWARE</b>																																	
<b>NORTHERN 01</b>																																	
BEAR 2 SW	5.36									.62		.63	.15					T	.25					.70	.29	1.40	1.32						
NEWARK UNIV FARM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WILMINGTON NEW CASTLE R	5.92									1.53		.60	.17							.27				.03	.56	.22	1.69	.85					
WILMINGTON PORTER RSVR	5.94					T				1.38		.44								.47				.40	.22	1.65	1.38						
<b>SOUTHERN 02</b>																																	
DOVER	4.67										.38	.62	.10							.06	.02			.62	.77	.25	1.85						
GREENWOOD 2NE	4.19					T	T				.34	.32	.03						.06	.99			.38	.95	.10	.73	.29						
LEWES	5.57	.05	.01		.01		.02	.03		.12	1.00	.59	.02			T	T	.05	.34	.21				.21	1.38	.73	.79	.01					

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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		
<b>MARYLAND SOUTHERN EASTERN SHORE 01</b>																																			
ASSATEAGUE M	MID	MAX	79	80	83	78	75	81	93	83	94	80	73	70	72	73	78	79	80	81	78	79	80	80	82	81	69	70	74	65	62	68	72	77.2	
		MIN	66	67	70	69	70	70	69	70	71	69	60	56	53	47	46	54	65	67	71	62	49	62	69	66	61	63	64	52	40	33	40	60.4	
PRINCESS ANNE	17	MAX	82	82	87	89	83			91	95		93	72		75	80	80					79	83	81	77	70	72		84	65	71	M		
		MIN	41	47	54	62	63			63	65		54	59		37	44	49					45	65	64	59	61	54		35	28	32	M		
SALISBURY	17	MAX	77	79	85	85	81	85	91	86	93	80	75	68	66	68	74	78	79	81	79	78	80	80	82	78	67	68	73	73	57	64	69	76.7	
		MIN	53	57	69	68	70	66	69	67	70	68	64	53	49	46	46	53	56	62	70	60	49	55	66	67	59	60	68	51	38	36	36	58.1	
SALISBURY FAA AP M	MID	MAX	76	78	85	86	77	84	91	85	92	79	68	68	66	68	74	77	80	80	79	75	79	80	83	79	64	70	72	58	55	67	69	75.6	
		MIN	43	45	68	67	68	62	61	62	63	62	53	37	39	35	37	43	48	54	71	42	37	45	65	64	59	61	54	40	28	27	30	50.6	
SNOW HILL 4 N	17	MAX	77	79	87	86	80	88	93	88	94	80	79	69	69	71	76	75	81	79	79	80	80	80	82	80	68	68	73	68	58	66	70	77.5	
		MIN	47	48	68	70	69	68	66	63	69	68	59	52	42	39	40	46	51	56	72	57	43	49	66	68	61	60	68	47	32	30	35	55.1	
<b>CENTRAL EASTERN SHORE 02</b>																																			
ROYAL OAK 2 SSW	18	MAX	79	82	82	84	82	84	90	86	92	86	79	69	68	70	74	78	80	79	79	77	79	79	80	77	64	65	71	69	57	65	68	76.6	
		MIN	53	55	66	66	68	66	67	65	70	69	58	52	44	43	46	52	60	60	70	55	49	54	69	62	53	56	64	55	35	38	43	56.9	
VIENNA	18	MAX	82	81	91	87	81	85	92	91	93	82	79	70	69	69	74	78	79	79	79	78	80	79	79	79	70	67	72	71	60	66	70	77.8	
		OBS				92	95				93																								
		MIN	52	51	63	63	66	64	65	66	65	66	56	58	44	41	44	51	56	61	70	56	46	55	65	65	54	55	64	51	37	34	41	55.6	
		OBS			50	50	50																45												
<b>LOWER SOUTHERN 03</b>																																			
MECHANICSVILLE 5 NE	07	MAX	74	73	77	78	81	76	80	87	85	88	79	64	66	64	67	71	75	77	77	78	78	75	77	79	67	60	69	66	66	54	61	73.2	
		MIN	47	50	53	62	64	64	64	65	65	56	53	44	39	39	41	43	46	62	54	44	44	50	60	54	53	53	47	34	34	34	34	51.0	
SOLOMONS	08	MAX	79	77	81	83	85									94	71	76	79	81	79		80	76	81	84	76	63	72	72	61	60	66	76.2	
		MIN	60	60	68	69	70										53	56	60	63	67		53	59	63	69	54	54	60		43	46	M		
<b>UPPER SOUTHERN 04</b>																																			
BALTIMORE WASH INTL APM	MID	MAX	76	79	82	84	81	85	92	91	94	83	65	68	68	70	75	73	81	80	78	74	78	81	79	69	55	62	71	59	57	65	67	74.9	
		MIN	50	54	64	61	65	64	62	64	67	61	50	46	43	40	43	48	53	54	57	50	44	47	66	55	51	54	53	39	34	34	35	51.9	
BELTSVILLE	08	MAX	79	75	79	84	82	82	83	90	89	93	82	64	67	67	69	76	76	80	80	78	72	79	79	78	67	56	69	70	58	57	65	75.0	
		MIN	50	53	59	63	65	64	61	62	65	66	55	51	43	39	40	44	49	53	56	55	44	44	48	65	52	51	55	46	34	34	35	51.6	
DALECARLIA RESERVOIR	08	MAX	80	78	82	85	87	84	84	92	91	95	85	67	69	70	72	77	78	85	81	78	74	80	81	80	69	57	64	72	59	59	66	76.8	
		MIN	53	51	59	64	63	64	61	60	66	64	55	52	45	41	44	46	51	58	53	53	34	45	59	64	51	52	54	51	35	35	38	52.3	
		OBS			70																														
LAUREL 3 W M	MID	MAX	78	78	82	82	81	83	90	90	91	82	67	67	67	69	74	75	79	79	74	72	78	78	76	73	55	59	69	57	57	63	67	73.9	
		MIN	54	56	65	65	67	65	65	65	70	62	53	49	47	47	47	51	57	61	63	57	51	54	65	54	48	52	56	45	38	41	43	55.3	
MD SCI CTR BALTIMORE M	MID	MAX	79	81	82	85	80	86	93	93	95	85	66	69	69	71	76	75	83	80	80	76	80	84	80	71	57	64	71	59	58	66	69	76.2	
		MIN	63	62	71	70	73	72	70	71	72	64	54	53	52	52	57	60	64	65	62	61	54	59	70	56	52	55	55	47	44	44	46	59.7	
NATL ARBORETUM DC	07	MAX	82	78	82	86	85	83	84	92	93	92	83	66	68	68	70	75	79	80	80	78	79	78	79	78	68	56	69	71	59	58	65	76.3	
		MIN	49	55	60	66	67	65	64	66	66	62	56	53	46	43	44	50	52	52	62	54	47	48	51	64	52	51	55	51	35	35	35	53.6	

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		
OXON HILL	08	MAX MIN	80 53	77 55	80 61	85 68	84 67	80 67	83 65	91 65	89 69	93 57	83 55	67 49	68 44	70 44	70 48	75 55	77 59	81 63	81 54	78 49	73 50	78 54	80 66	80 53	66 55	58 56	70 56	70 38	58 38	57 40	63 40	75.6	
UPPER MARLBORO 3 NNW	08	MAX MIN	80 49	76 51	80 56	83 63	83 63	81 61	85 61	92 66	90 66	93 67	84 55	67 52	69 42	69 38	72 39	77 42	77 49	82 59	80 52	77 43	73 44	80 50	81 64	80 53	66 51	56 55	69 49	70 32	59 33	59 33	66 33	76.0	
<b>NORTHERN EASTERN SHORE 05</b>																																			
CHESTERTOWN	23	MAX MIN	76 51	79 53	82 61	86 63	79 65	85 63	90 66	86 65	91 67	81 64	66 54	66 50	69 42	71 43	79 45	78 57	79 58	80 59	73 49	79 51	79 65	79 56	72 50	56 50	62 53	69 57	57 42	55 35	63 37	67 39	74.2		
<b>NORTHERN CENTRAL 06</b>																																			
ABERDEEN PHILLIPS FLD	16	MAX MIN OBS	77 51	80 57	83 66	84 66	84 69	83 62	89 61	87 65	92 66	89 66	80 55	68 53	65 40	69 40	73 44	73 57	80 58	80 59	79 67	78 50	77 45	79 48	79 69	68 66	60 51	70 54	69 53	59 50	65 32	67 34	67 37	76.3	
CATOCTIN MTN PARK	17	MAX MIN	73 46	76 50	81 54	85 56	79 62	81 63	86 63	86 69	87 69	82 56	66 47	60 45	62 43	64 40	70 48	70 53	78 54	72 58	74 65	69 54	76 53	79 55	72 62	70 51	53 49	52 47	62 50	57 40	54 33	64 38	66 43	71.2	
CONOWINGO DAM	07	MAX OBS MIN	90	79 92	78	80	84	78	86	90	94	88	80	62	68	***	73	75	75	80	81	78	74	73	78	78	74	74	59	70	72	62	60	66	75.9
CYLBURN	08	MAX MIN OBS	75 50	75 52	77 55	80 61	82 63	76 63	81 64	85 70	85 63	90 52	80 62	65 47	62 43	64 41	72 41	70 46	79 49	77 57	75 58	67 54	75 46	79 50	76 61	66 48	60 49	68 48	68 38	54 34	53 31	63 33	72.3		
EMMITSBURG 2 SE	07	MAX MIN	73 45	73 46	77 59	82 58	85 60	79 59	81 60	88 59	89 61	90 56	79 53	59 49	63 40	64 37	67 37	71 42	72 47	78 54	79 54	74 45	70 43	77 41	77 62	75 50	75 49	53 50	57 47	67 31	56 30	56 30	62 30	72.5	
FREDERICK 2 NNE	07	MAX MIN	77 46	76 50	79 59	85 64	89 63	82 60	82 62	89 63	90 59	90 55	82 51	61 34	65 37	66 41	69 42	75 47	75 53	80 54	80 53	75 51	71 45	78 44	81 63	77 51	68 50	54 51	58 49	69 32	57 32	57 33	65 33	74.3	
MILLERS 4 NE	18	MAX MIN	73 48	76 51	81 58	85 61	79 62	82 57	86 62	88 60	89 66	83 56	72 49	60 46	61 38	66 37	71 41	71 47	77 55	77 67	72 50	76 44	76 47	72 62	72 53	54 47	66 48	58 54	53 44	61 29	65 34	65 38	71.8		
SMITHSBURG 2NW	08	MAX OBS MIN OBS	76	76	78	83	87	83	82	87	88	89	78	60	62	65	67	73	76	79	80	75	67	77	78	74	66	53	57	65	54	54	61	72.6	
<b>APPALACHIAN MOUNTAIN 07</b>																																			
CUMBERLAND 2	18	MAX MIN OBS	79 48	84 51	88 54	93 58	87 63	88 60	90 63	92 64	89 54	76 50	69 50	63 38	67 38	72 38	76 41	75 48	80 53	81 57	74 57	72 42	82 42	79 44	78 61	73 51	55 51	55 52	65 48	59 43	60 29	65 29	65 30	70 32	75.4
FROSTBURG 2	07	MAX MIN	71 46	72 48	76 49	79 52	80 56	80 55	80 55	82 59	81 61	68 49	50 42	55 42	56 35	60 40	69 43	67 47	71 49	74 55	65 51	62 48	75 44	76 46	71 56	59 45	49 45	49 46	56 46	48 37	55 28	61 27	67.0		
SHARPSBURG 5 S	07	MAX OBS MIN OBS	78	77	80	87	89	81	85	88	91	92	82	63	65	68	70	76	76	83	81	76	70	80	81	76	66	53	54	70	***	***	***	***	48.1



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		
WILLIAMSPORT	06	MAX OBS MIN	76 46	75 49	78 57	84 57	86 58	82 60	83 61	89 61	91 61	90 57	81 55	61 51	67 41	71 40	74 41	76 46	80 54	86 54	74 53	71 44	78 43	79 44	75 64	67 51	54 51	68 51	59 53	58 33	63 32	74.1 49.7			
<b>ALLEGHENY PLATEAU 08</b> OAKLAND 1 SE	07	MAX OBS MIN OBS	70 71 40	71 76 44	76 78 46	78 82 50	82 81 50	81 78 52	78 81 50	81 83 51	83 79 46	79 66 40	66 45 40	45 51 36	51 56 32	56 61 35	61 72 36	72 73 41	73 74 48	74 73 49	66 62 39	62 79 35	79 77 36	77 73 41	73 59 44	59 47 44	47 56 46	56 55 36	55 49 22	49 55 22	55 65 23	67.5 67 39.7			
SAVAGE RIVER DAM	08	MAX MIN	69 42	72 45	74 48	79 53	80 54	77 58	80 57	81 57	84 57	84 51	68 45	51 45	55 37	56 37	61 37	68 41	69 45	72 50	74 51	74 42	63 42	71 42	75 42	75 47	57 47	50 49	51 49	57 42	51 28	53 28	59 30	67.4 45.7	
<b>DELAWARE NORTHERN 01</b> BEAR 2 SW M	MID	MAX MIN	75 48	78 49	83 58	82 61	75 60	83 60	87 61	85 63	90 65	79 65	67 51	63 41	65 36	67 37	70 41	71 48	78 53	79 54	80 61	72 46	78 42	79 44	80 65	74 56	56 51	62 53	70 55	56 37	55 30	63 32	67 33	73.2 50.2	
NEWARK UNIV FARM	17	MAX MIN																																	M M
WILMINGTON NEW CASTLE M	MID	MAX MIN	75 53	78 51	81 65	79 66	74 62	84 63	90 65	88 67	87 66	80 64	67 51	66 46	65 41	69 43	71 45	72 54	79 58	79 61	79 60	73 54	76 47	79 49	81 66	70 57	57 52	63 53	71 53	58 38	56 33	64 36	67 38	73.5 53.5	
WILMINGTON PORTER RSVRM	MID	MAX MIN	73 55	76 55	81 64	79 67	73 64	80 64	84 66	86 67	84 64	76 63	65 52	61 47	61 43	64 46	68 48	69 54	76 57	76 59	76 58	69 57	74 50	77 54	78 64	65 54	55 49	60 51	68 52	54 43	52 38	43 38	43 64	54.5 70.5	
<b>SOUTHERN 02</b> DOVER	16	MAX MIN	73 51	75 57	82 65	82 68	78 67	82 66	87 69	89 68	89 70	85 66	77 56	66 50	66 42	67 45	70 44	72 54	80 55	80 62	78 70	76 53	77 53	79 58	80 64	78 62	65 51	66 55	70 58	70 49	58 36	64 36	68 41	75.1 56.2	
GREENWOOD 2NE	07	MAX MIN	77 48	74 49	77 52	83 67	82 66	81 66	85 66	91 63	86 63	90 66	77 58	62 51	67 39	65 39	67 40	72 42	75 50	79 55	79 57	78 45	79 46	78 52	80 66	80 55	69 54	70 59	70 48	57 33	56 33	64 33	74.3 52.3		
LEWES	17	MAX MIN	74 56	75 58	80 67	78 69	78 69	81 68	86 69	88 66	89 73	76 67	74 57	67 52	66 44	69 46	70 49	72 55	80 58	78 63	78 71	76 60	77 52	81 59	83 68	76 58	67 59	65 59	73 51	68 47	56 39	63 43	70 43	74.6 58.6	

## 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	-	42	32	30	25	20	*	*	89	41	63	131	*	*	153	20	24	37	63	84	*	80	69	*	151	85	46	*	111	18	15	1477
	EVAP	-	12	14	16	12	9	*	*	43	17	28	19	*	*	50	11	10	13	6	9	*	32	15	*	13	-	-	*	37	10	5	4.22
	MAX	79	73	80	84	86	82	-	-	87	87	81	62	-	-	67	70	71	75	73	74	-	72	67	-	70	70	63	-	73	58	62	73.6
	MIN	50	52	57	64	65	63	-	-	60	63	52	47	-	-	42	44	49	53	57	54	-	45	49	-	51	55	58	-	38	38	37	51.8
	UPPER MARLBORO 3 NNW	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
	EVAP	-	14	15	9	3	*	*	38	14	14	22	15	*	*	41	-	11	13	10	*	*	40	16	11	11	3	*	14	27	-	-	3.91
	MAX	85	81	86	87	83	86	86	92	90	88	86	69	72	72	74	77	77	79	78	78	74	77	78	76	69	56	63	74	66	64	65	77.0
	MIN	53	54	57	66	67	67	64	64	67	68	53	48	46	45	45	46	54	57	60	58	50	50	53	63	55	54	55	51	40	40	41	54.5

Evaporation: Is measured in hundredths of inches.

Wind: Is measured in miles.

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

STATION INDEX

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER
							LOCAL STD TIME				
							TEMP	PRECIP	EVAP	SPECIAL SEE (NOTES)	
<b>MARYLAND</b>											
ABERDEEN PHILLIPS FLD	0015	06	HARFORD	39 28	76 10W	57	16	16		C H	US ARMY ABERDEEN TEST CT
ASSATEAGUE	0335	01	WORCESTER	38 4	75 13W	10	MID	MID		H	ASSATEAGUE IS NATL SEA
BALTIMORE WASH INTL AP R	0465	04	ANNE ARUNDEL	39 10	76 41W	156	MID	MID		C HJ	ASOS - FAA
BELTSVILLE	0700	04	PRINCE GEORG	39 2	76 56W	145	08	08	08	C H	USDA AGRICULT RES SVC
CATOCTIN MTN PARK	1530	06	FREDERICK	39 39	77 29W	1610	17	17		H	CATOCTIN MOUNTAIN PK
CHESTERTOWN	1750	05	KENT	39 13	76 3W	40	23	23		H	THOMAS W ELIASON JR
CLARKSVILLE 3 NNE	1862	06	HOWARD	39 15	76 56W	370	17	17		H	INACTIVE 12/02/2004
CONOWINGO DAM	2060	06	HARFORD	39 39	76 11W	40	07	07		H	SUSQUEHANNA ELECTRIC CO
CUMBERLAND 2	2282	07	ALLEGANY	39 39	78 45W	730	18	18		H	TIMOTHY B THOMAS
CYLBURN	2308	06	BALTIMORE (C	39 22	76 38W	400	08	08		H	CYLBURN ARBORETUM
DALECARLIA RESERVOIR	2325	04	PRINCE GEORG	38 56	77 7W	150	08	08		H	USA CORPS OF ENGINEERS
DAMASCUS 3 SSW	2336	06	MONTGOMERY	39 16	77 14W	697	22	22		H	INACTIVE 07/31/2007
EMMITSBURG 2 SE	2906	06	FREDERICK	39 41	77 17W	403	07	07		H	ERIC E GLASS
FREDERICK 2 NNE	3353	06	FREDERICK	39 26	77 24W	280	07	07		H	DIR PUBLIC WORK WTP
FROSTBURG 2	3415	07	ALLEGANY	39 40	78 56W	2170	07	07		H	GREGORY P LATTA
GLENN DALE BELL STN	3675	04	PRINCE GEORG	38 58	76 48W	150	08	08		H	INACTIVE 08/16/2007
LAUREL 3 W	5111	04	PRINCE GEORG	39 5	76 54W	400	MID	MID		H	WA SUBURBAN SANITARY COM
MD SCI CTR BALTIMORE R	5718	04	BALTIMORE (C	39 17	76 37W	20	MID	MID		C H	ASOS - NWS
MECHANICSVILLE 5 NE	5865	03	ST. MARY'S	38 28	76 42W	100	07	07		H	SANDRA J HASTINGS
MILLERS 4 NE	5934	06	CARROLL	39 43	76 48W	860	18	18		C H	ROBERT MILLER
NATL ARBORETUM DC	6350	04	PRINCE GEORG	38 55	76 58W	50	07	07		H	US NATIONAL ARBORETUM
OAKLAND 1 SE	6620	08	GARRETT	39 25	79 24W	2420	07	07		H	GARRETT CO MEM HOSPITAL
OXON HILL	6800	04	PRINCE GEORG	38 48	77 0W	120	08	08		H	BRIAN SMITH
POTOMAC FLTR PLT	7272	06	MONTGOMERY	39 2	77 15W	270		08		H	POTOMAC WATER FILT PLANT
PRINCESS ANNE	7330	01	SOMERSET	38 13	75 41W	20	17	17		H	UNIV OF MD EAST SHORE
ROYAL OAK 2 SSW	7806	02	TALBOT	38 43	76 11W	10	18	18		H	JOHN L SWAINE JR
SALISBURY	8000	01	WICOMICO	38 22	75 35W	10	17	17		H	CITY OF SALISBURY
SALISBURY FAA AP	8005	01	WICOMICO	38 20	75 31W	48	MID	MID		H	FAA
SAVAGE RIVER DAM	8065	08	GARRETT	39 31	79 8W	1495	08	08	08	C H	USA CORPS OF ENGINEERS
SHARPSBURG 5 S	8207	07	WASHINGTON	39 24	77 43W	500	07	07		H	DAVID DOWNIN
SMITHSBURG 2NW	8371	06	WASHINGTON	39 40	77 35W	670	08	08		H	SMITHSBURG WWTP
SNOW HILL 4 N	8380	01	WORCESTER	38 14	75 23W	30	17	17		H	CURTIS E SHOCKLEY
SOLOMONS	8405	03	CALVERT	38 19	76 27W	12	08	08		H	CHESAPEAKE BIOLOGIC LAB
UPPER MARLBORO 3 NNW	9070	04	PRINCE GEORG	38 52	76 47W	100	08	08	08	H	UNIVERSITY OF MARYLAND
VIENNA	9140	02	DORCHESTER	38 29	75 49W	10	18	18		H	DELMARVA POWER & LIGHT
WILLIAMSPORT	9570	07	WASHINGTON	39 36	77 50W	360	06	06		H	R C WILSON TREATMENT PLT
<b>DELAWARE</b>											
BEAR 2 SW	1200	01	NEW CASTLE	39 36	75 44W	80	MID	MID		H	R. GARY GALLAHER
DOVER	2730	02	KENT	39 16	75 31W	30	16	16		H	DEPT OF TRANSPORTATION
GREENWOOD 2NE	3595	02	SUSSEX	38 49	75 35W	45	07	07		H	DANIEL M SWARTZENTRUBER
LEWES	5320	02	SUSSEX	38 47	75 8W	15	17	17		H	BOARD OF PUBLIC WORKS
NEWARK UNIV FARM	6410	01	NEW CASTLE	39 40	75 45W	90	17	17	17	C H	UNIV OF DE AGR FARM
WILMINGTON NEW CASTLE R	9595	01	NEW CASTLE	39 40	75 36W	79	MID	MID		C HJ	ASOS - FAA
WILMINGTON PORTER RSVR	9605	01	NEW CASTLE	39 46	75 32W	270	MID	MID		H	WILMINGTON WATER DEPT

# REFERENCE NOTES

## DEFINITIONS

**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 both temperature and precipitation (i.e. not precipitation alone).

**NORMALS:** The average value of the meteorological element over a time period. Effective 1 January 2002, the averaging period is 1971 to 2000. The normals for National Weather Service localities have been adjusted so as to be representative for the current observation site.

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

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

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

**TEMPERATURE:** Original and edited temperature values are given in the "Daily Temperature" table. Edited values are produced when an original value is missing or when surrounding stations indicated a suspect original value. When a line labeled OBS is present and contains either a daily temperature (suspect) or \*\*\* (missing), the temperature appearing directly above, on the line labeled MAX or MIN, is an edited value. 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

# Thermometers located in a rooftop shelter.  
// Rain gage equipped with a windshield  
AR Observation made "after rain" has occurred.  
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.  
MID Observation time is midnight.  
MO Rain gage read once monthly, usually the last day.  
OC Rain gage readings vary from a few weeks to several months.  
R Amounts from recording rain gage.  
SR Observation time near sunrise.

SS Observation time near sunset.  
VAR Observation time varies.  
WI Rain gage read weekly or irregularly.  
WM Rain gage read weekly and last day of the month.

## 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 where an edited value could not be determined. (See \*\*\* below)

- No record. Data not recorded, determined unreliable by quality control check, or not received in time for publication.

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

\*\*\* Missing original temperature which has been estimated during edit.

\* Rain gage not read. Precipitation is included in the amount following the asterisks. Time distribution not known. A \* preceding the monthly total indicates precipitation amount is being carried forward to next months total, and may include amounts from the previous month(s).  
// Rain gage equipped with a windshield.

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 Adjusted monthly value (estimated), (1-7 missing values for wind and evaporation).

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).

R Amounts from recording rain gage.  
T Trace. An amount too small to measure.

V Includes total for previous month(s). (See \* above)

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

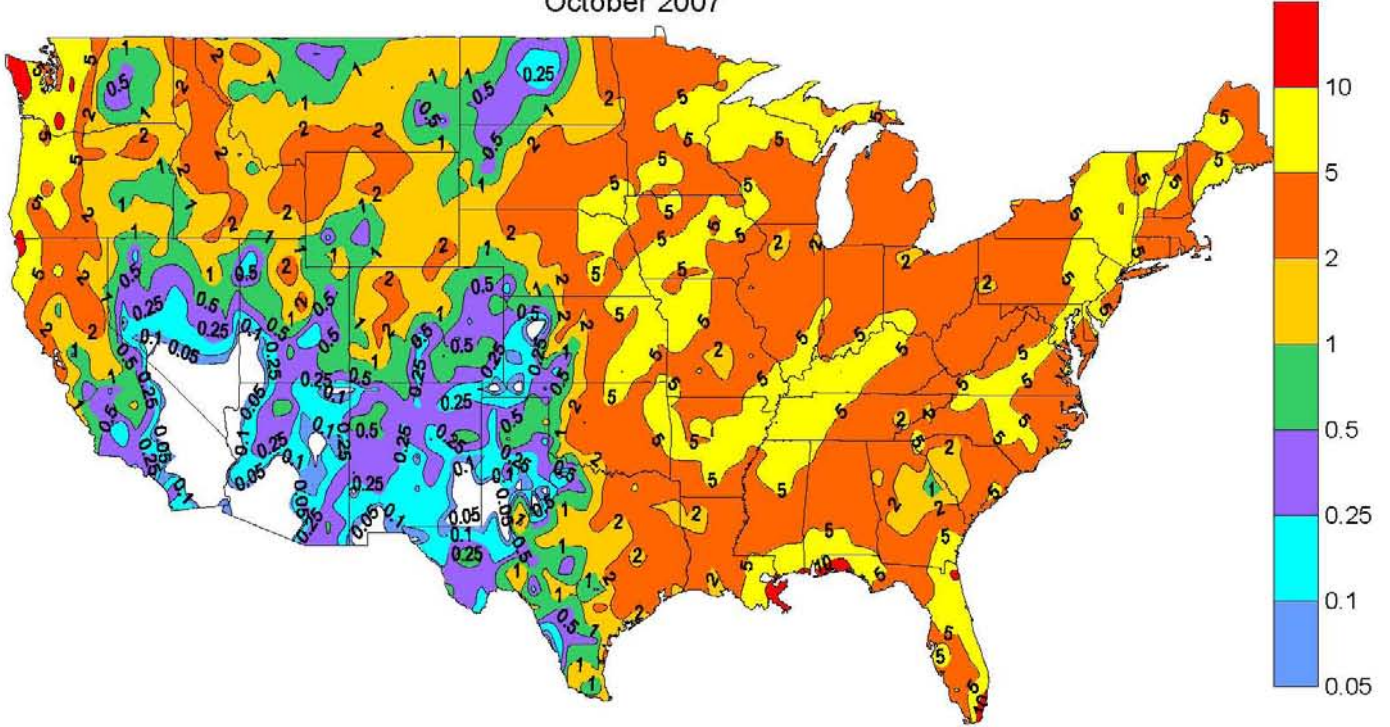
Information concerning the history of changes in locations, exposure, etc. of substations is kept on file at the National Climatic Data Center. Historical information of regular National Weather Service Offices may be obtained from the "Local Climatological Data" annual publication. The contents of this publication may be reprinted or otherwise used freely, with proper credit to the National Climatic Data Center. The data are also available in digital form on magnetic tape and diskette.

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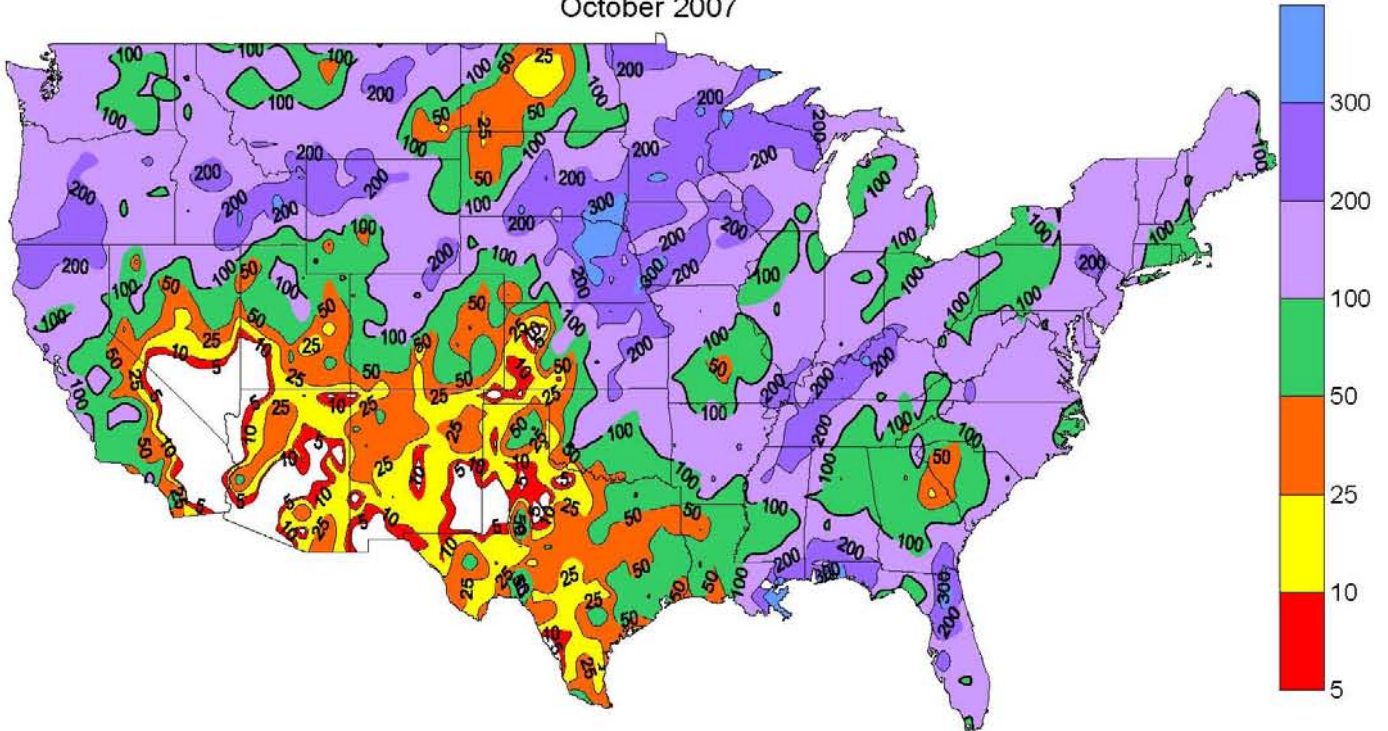
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Total Precipitation (Inches)  
October 2007



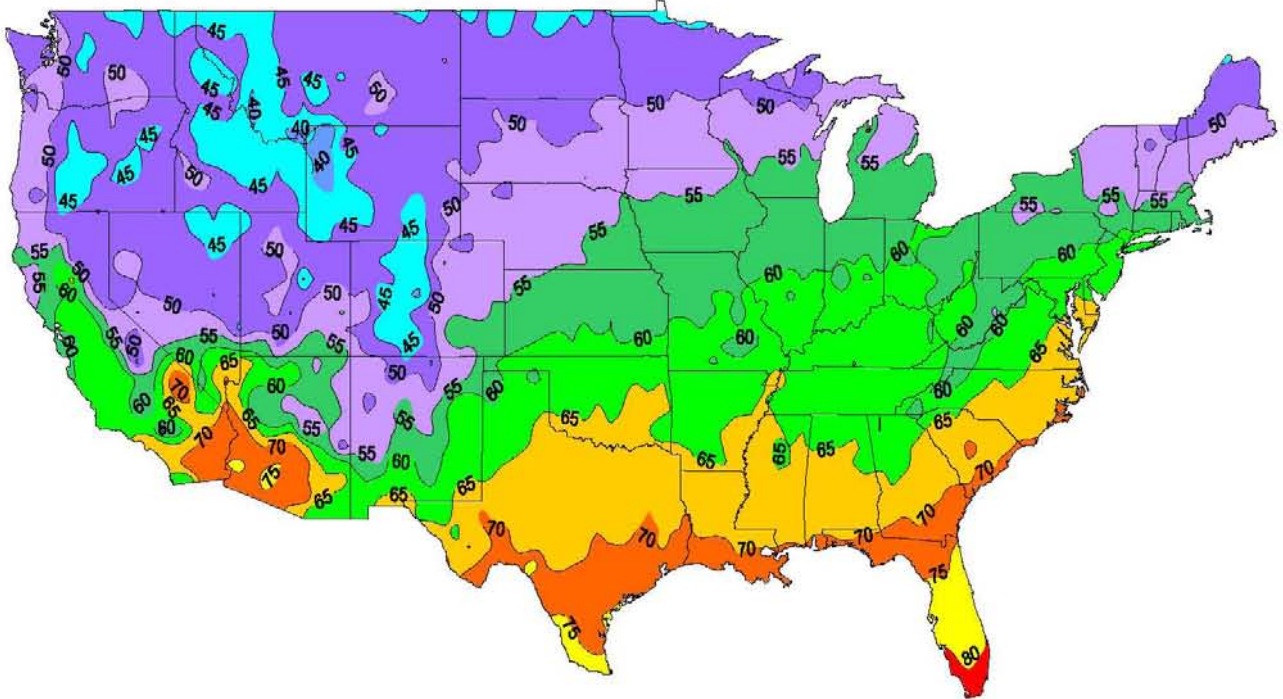
Percent of Normal  
October 2007



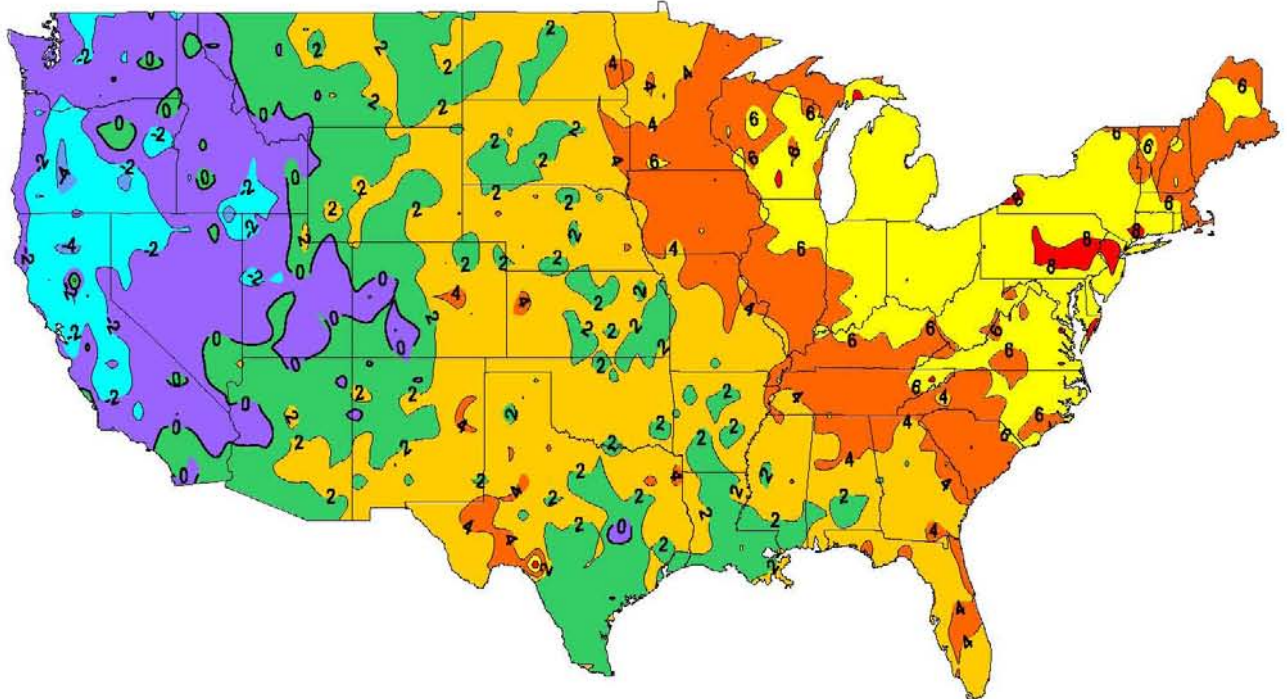
\*NOTE\* Contour maps are computer-generated and intended to show general temperature and precipitation patterns. Therefore, contours may not always account for individual datum points.

National Climatic Data Center, NOAA

Average Temperature (Degrees F)  
October 2007

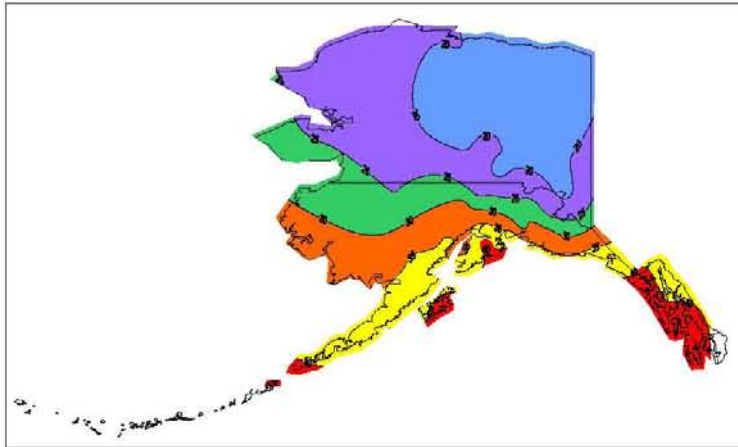


Departure of Average Temperature from Normal (Degrees F)  
October 2007

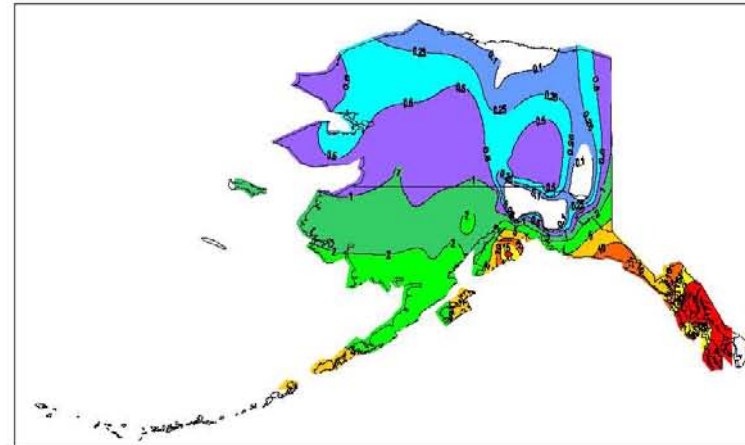


\*NOTE\* Contour maps are computer-generated and intended to show general temperature and precipitation patterns. Therefore, contours may not always account for individual datum points.

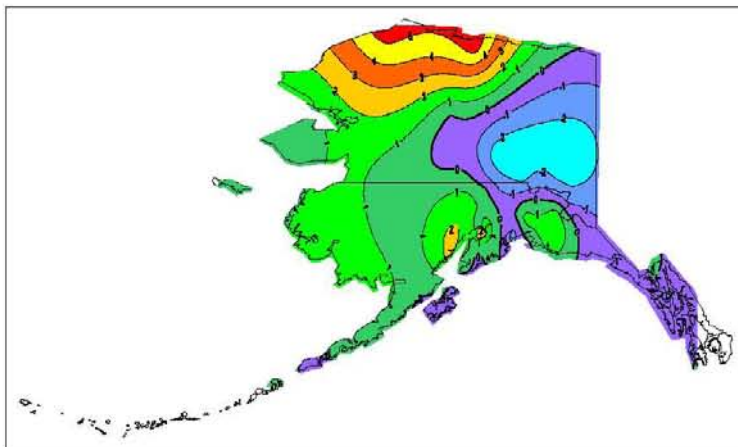
Average Temperature (Degrees F)  
October 2007



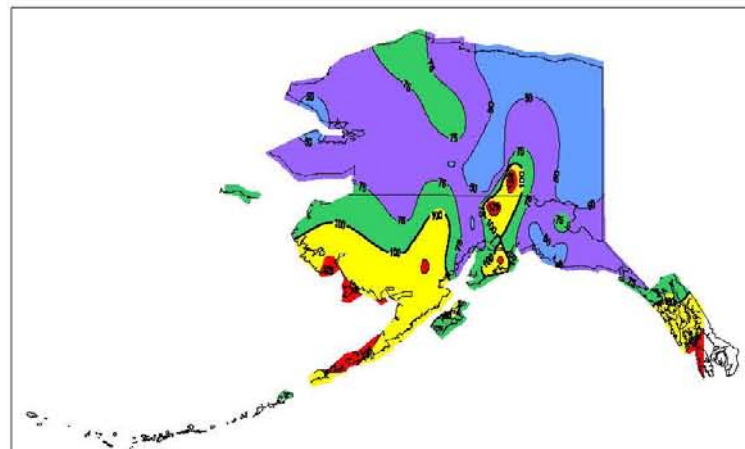
Alaska Precipitation (Inches)  
October 2007



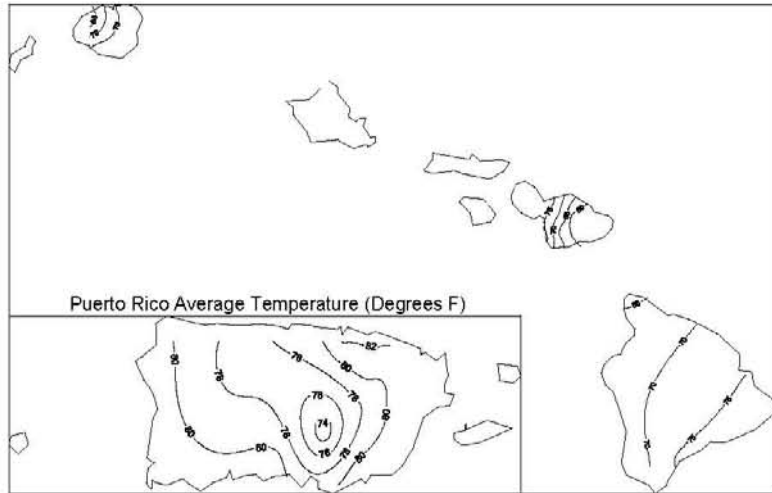
Departure of Average Temperature from Normal (Degrees F)  
October 2007



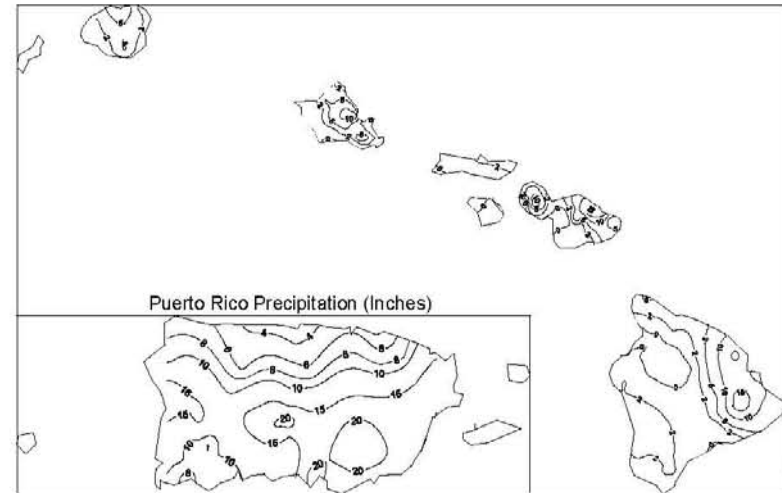
Percent of Normal Precipitation  
October 2007



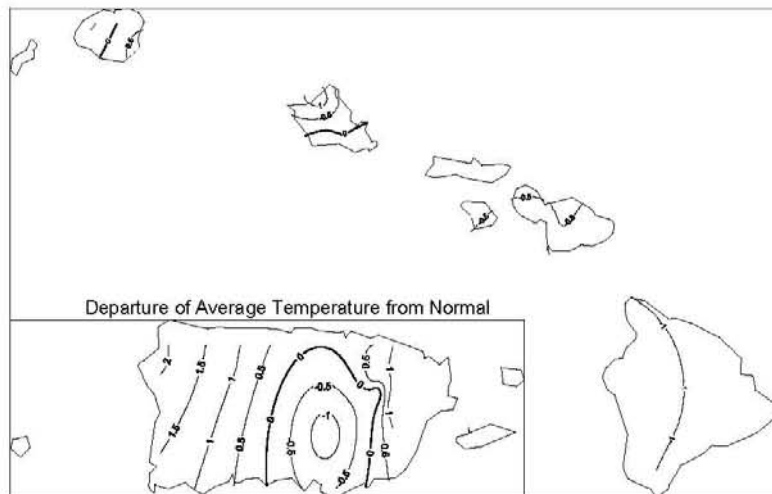
Hawaii Average Temperature (Degrees)  
October 2007



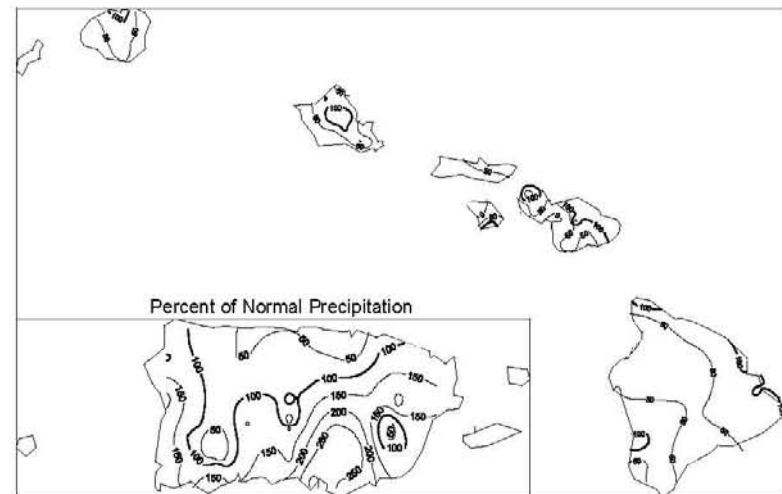
Hawaii Precipitation (Inches)  
October 2007



Departure of Average Temperature from Normal (Degrees)  
October 2007

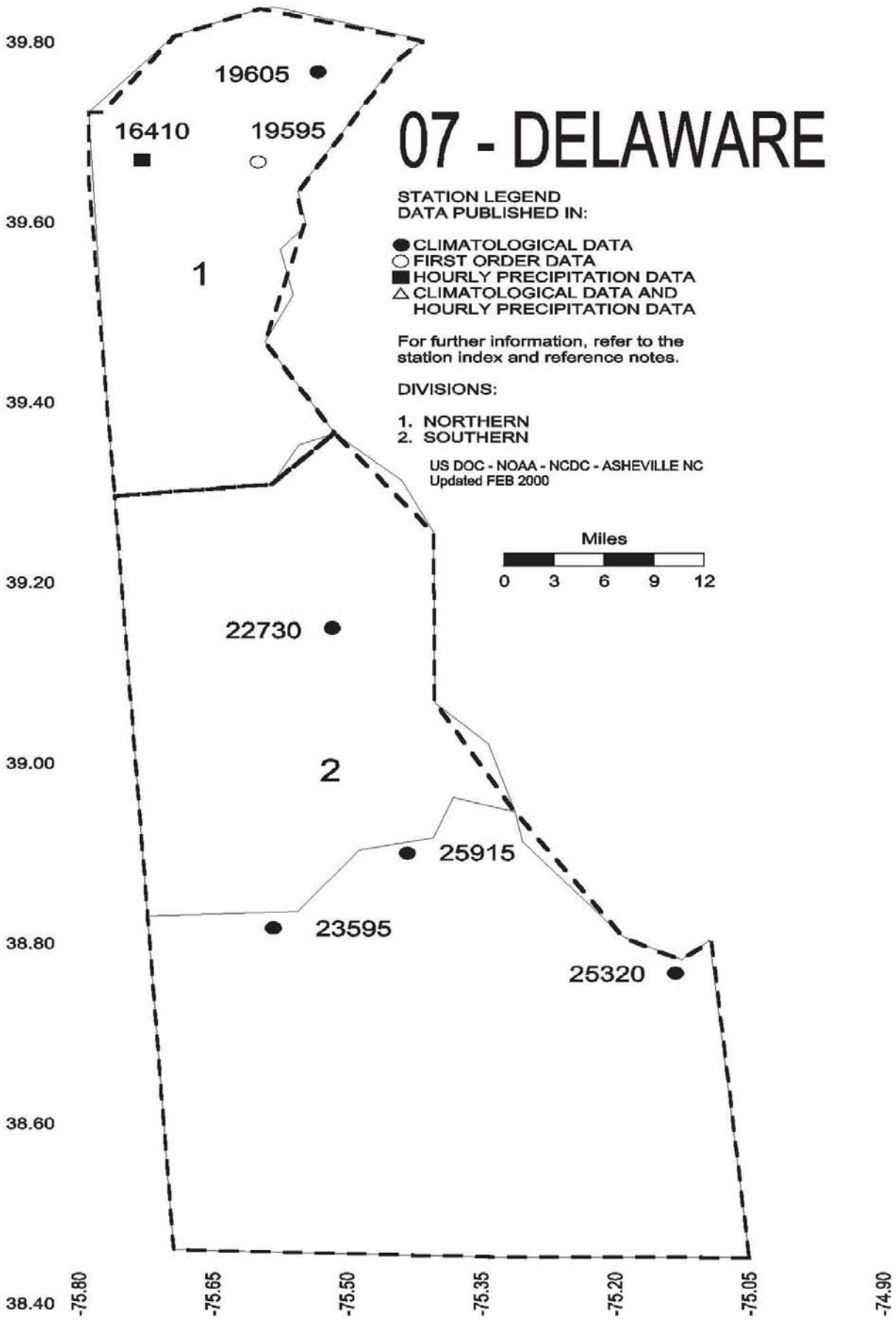


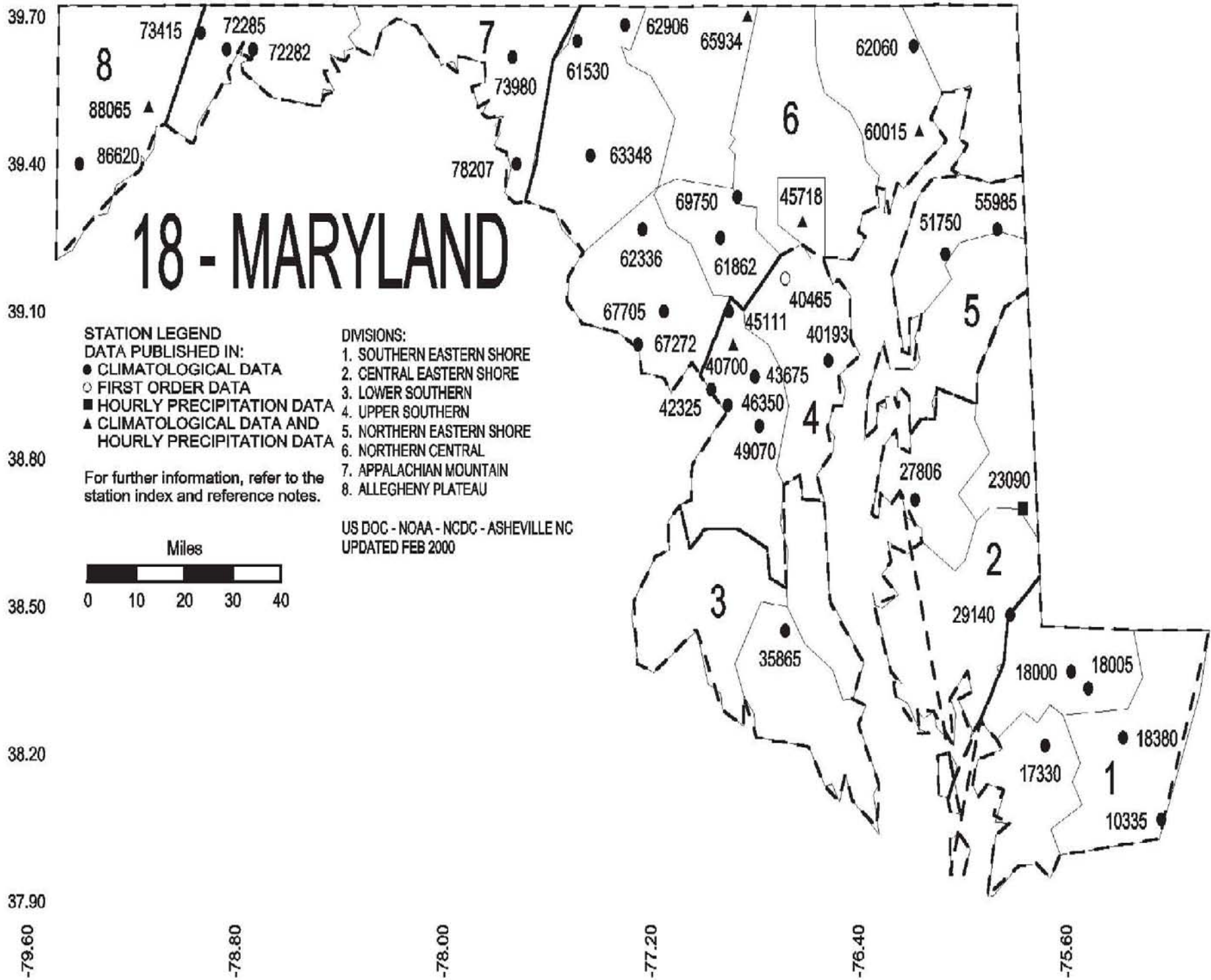
Hawaii Percent of Normal Precipitation  
October 2007





# 07 - DELAWARE





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### **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.

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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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