

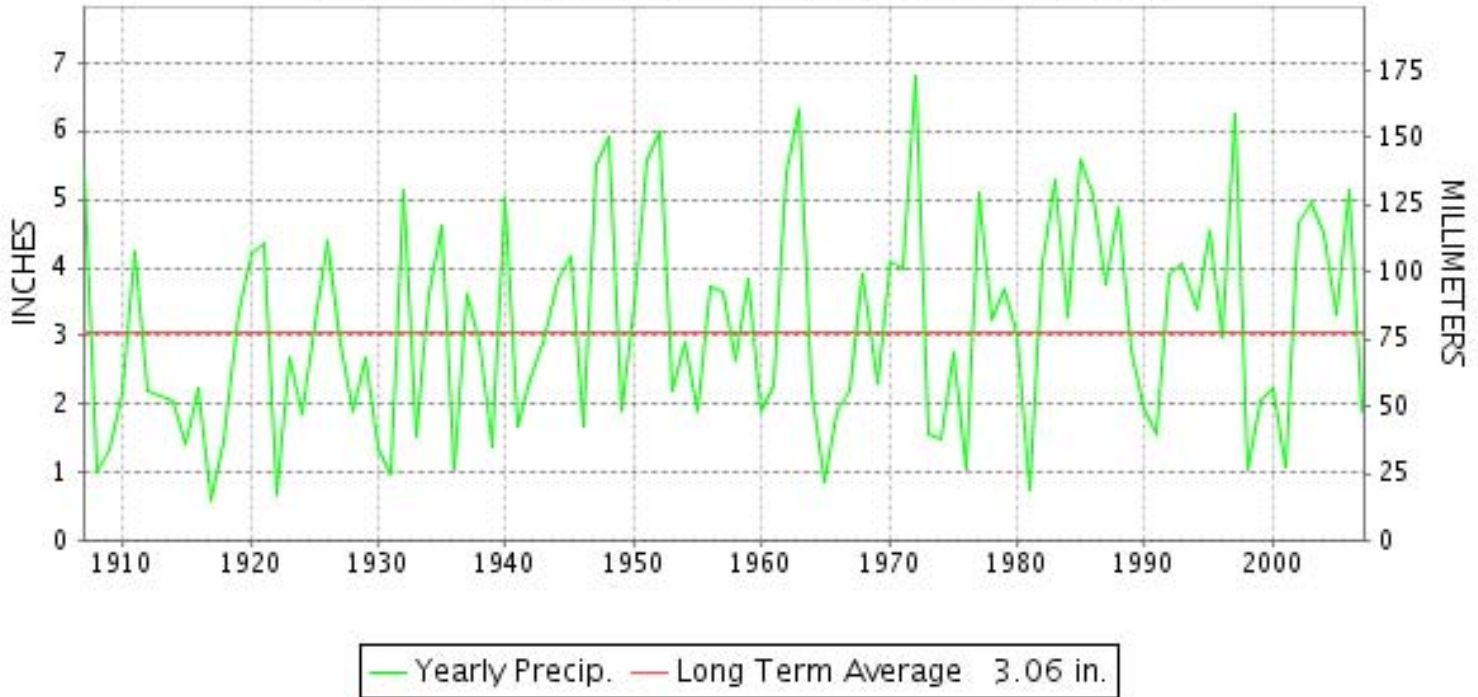


CLIMATOLOGICAL DATA MARYLAND AND DELAWARE



NOVEMBER 2007
VOLUME 111 NUMBER 11
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NOVEMBER PRECIPITATION BY YEAR



TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND

HIGHEST TEMPERATURE	78	NOVEMBER 22	DALECARIA RESERVOIR
LOWEST TEMPERATURE	12	NOVEMBER 25	OAKLAND 1 SE
GREATEST TOTAL PRECIPITATION	5.45		OAKLAND 1 SE
LEAST TOTAL PRECIPITATION	.80		ASSATEAGUE
GREATEST 1 DAY PRECIPITATION	2.25	NOVEMBER 16	OAKLAND 1 SE
GREATEST TOTAL SNOWFALL	.8		FROSTBURG 2
GREATEST DEPTH OF SNOW OR ICE	1	NOVEMBER 16	FROSTBURG 2

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Asheville, North Carolina

DELAWARE

HIGHEST TEMPERATURE	74	NOVEMBER 22	LEWES
LOWEST TEMPERATURE	19	NOVEMBER 24	BEAR 2 SW
GREATEST TOTAL PRECIPITATION	2.21		DOVER
LEAST TOTAL PRECIPITATION	1.21		GREENWOOD 2NE
GREATEST 1 DAY PRECIPITATION	.97	NOVEMBER 19	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	53.6	34.0	43.8		73	23+	22	25+	626	0	0	0	11	0	2.33		.80	15	.0	0		6	1	0
MILLERS 4 NE	51.1	34.4	42.8	-2.0	71	22+	19	24	662	0	0	0	13	0	2.72	-.89	.90	15	.0	0		6	2	0
SMITHSBURG 2NW	52.2	32.4	42.3		71	22	18	24	669	0	0	0	16	0	3.02		.75	15	.0	0		9	2	0
--DIVISIONAL DATA-----> APPALACHIAN MOUNTAIN 07			44.1	-.8											2.48	-1.14	.0							
CUMBERLAND 2	53.5	33.1	43.3	-.3	74	21	23	24+	643	0	0	0	15	0	1.73	-1.18	.49	12	.0	0		6	0	0
FROSTBURG 2	47.1	29.1	38.1	-1.0	68	1	16	25+	801	0	0	1	23	0	2.10	-1.66	.56	15	.8	1	16	6	1	0
SHARPSBURG 5 S	54.9	32.2	43.6		74	23+	19	25+	633	0	0	0	18	0	2.14		.66	15	.0	0		7	1	0
WILLIAMSPORT	53.9	32.9	43.4		73	22	22	24	641	0	0	0	17	0	2.14		.46	12	.0	0		6	0	0
--DIVISIONAL DATA-----> ALLEGHENY PLATEAU 08			42.1	-.6											2.03	-1.24	.2							
OAKLAND 1 SE	48.3	28.7	38.5	-1.5	66	22	12	25+	788	0	0	1	22	0	5.45	1.77	2.25	16	M	M		8	4	1
SAVAGE RIVER DAM	48.3	30.3	39.3	-1.1	67	22	19	25+	762	0	0	0	22	0	1.65	-1.35	.47	15	.0	0		6	0	0
--DIVISIONAL DATA----->			38.9	-.7											3.55	-.01	.0							
DELAWARE NORTHERN 01																								
BEAR 2 SW	53.4	34.2	43.8		71	22	19	24	626	0	0	0	13	0	2.11		.63	15	.0	0		6	2	0
NEWARK UNIV FARM	M	M	M														M	M						
WILMINGTON NEW CASTLE R	54.2	36.5	45.4	-.5	72	22	23	24	582	0	0	0	8	0	1.69	-1.50	.37	15	.0	0		7	0	0
WILMINGTON PORTER RSVR	51.0	36.8	43.9	-1.8	69	22	24	24	626	0	0	0	7	0	1.78	-2.02	.39	19	.0	0		7	0	0
--DIVISIONAL DATA-----> SOUTHERN 02			44.4	-1.4											1.86	-1.52	.0							
DOVER	57.5	38.8	48.2	-1.0	70	23+	29	24+	498	0	0	0	8	0	2.21	-.95	.97	19	.0	0		7	1	0
GREENWOOD 2NE	56.5	35.8	46.2	-.3	72	23	22	24	560	0	0	0	11	0	1.21	-1.92	.39	16	.0	0		5	0	0
LEWES	57.9	41.9	49.9	-.1	74	22+	30	24	446	2	0	0	2	0	1.72	-1.61	.80	19	.0	0		4	1	0
--DIVISIONAL DATA----->			48.1	.4											1.71	-1.58	.0							

MARYLAND AND DELAWARE
NOVEMBER 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			
MARYLAND																																			
SOUTHERN EASTERN SHORE 01																																			
ASSATEAGUE	.80					.23				.11		.01			.45																				
PRINCESS ANNE	M	-	-	-		.30	*	*	*	*	*	*	.10		.55		*	*	.05		-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SALISBURY	1.13					.35				T	T	.20	T	T	.45	.03				T	T			.10			T	T							
SALISBURY FAA AP	.89			T		.29			T	.04		.03	.01		.40					T			.12				T	T							
SNOW HILL 4 N	.95			T		.19				.06		.03	.01		.49					T			.03				.13	.01							
CENTRAL EASTERN SHORE 02																																			
ROYAL OAK 2 SSW	1.50					.32				.03		.15	.13		.63					.05			.05				.14								
VIENNA	1.36					.41				.06		.12	.03		.59					.02			.04				.07	.02							
LOWER SOUTHERN 03																																			
MECHANICSVILLE 5 NE	1.64					.25	.02		.01	.08		.33	.01	.03	.55	.28							.03				T	.05							
SOLOMONS	M 1.40			-		.13	.05			*	.09	.19	.01		.20	*	*	.42				*	.19	-		.11	.01								
UPPER SOUTHERN 04																																			
BALTIMORE WASH INTL AP R	1.52				.11	.11			.11	.01	.04	.18	.12	T	.68				T	T	T		T			T	.16	T							
BELTSVILLE	1.43					.15	.01			.08		.28	.01	.11	.35	.33												.11							
DALECARLIA RESERVOIR	1.99					.15				.01	.01	.35	.01	.11	.64	.32						.01					.30	.08							
LAUREL 3 W	M				.12	.10			.12	.03		.33	.15		.78												.11								
MD SCI CTR BALTIMORE R	1.17				.03	.04			.13		.03	.07	.11		.60				.01	.05							.10								
NATL ARBORETUM DC	1.58					.17				.08		.26	.01	.07	.58	.29						T					.01	.11							
OXON HILL	1.68					.16	.01	T		.08		.24	T	.09	.60	.42			T	T	T			T			.05	.03					T		
UPPER MARLBORO 3 NNW	1.51					.20						T		.44	.42	.38											.05	.02							
NORTHERN EASTERN SHORE 05																																			
CHESTERTOWN	1.19					.27				.03		.05	.13	.01	.37						.19	T		T			.12	.02							
NORTHERN CENTRAL 06																																			
ABERDEEN PHILLIPS FLD	1.94					.22			T			.34	.03	.65	.03					.51	.04	T				.12									
CATOCTIN MTN PARK	3.05	.01				.18			.10		.10	.59		.79						.11	.11	.06			.01	.85	.10			.04					
CONOWINGO DAM	2.82					.10	.09			.05		.06		.23	.15	.59				.88	.20	*	.07			.10	.30								
CYLBURN	1.48					.11	.02			.18	*	*	*	.15	.27	.38	T	*		.17	.02	T				.02	.16								
EMMITSBURG 2 SE	2.45					.09				.22		.23		.11	.50	.34				.14	.05					.36	.41								
FREDERICK 2 NNE	2.33					.04				.20		.36	.05	.09	.80	.34				.11	.03					.08	.23								
MILLERS 4 NE	2.72					.09			.04	.14		.16	.17	.03	.90				.01	.41	.05		.01		.64	.07					T				
POTOMAC FLTR PLT	2.35				.08	.10			.16			.45	.31	.04	.74				.01	.01			.05		.05	.35									
SMITHSBURG 2NW	3.02					.17				.15		.45	.12	.10	.75	.21				.08	.04					.30	.65								
APPALACHIAN MOUNTAIN 07																																			
CUMBERLAND 2	1.73					.17			T	.20	.01	.49	.10		.36	.04			.01	.01	.01		.02	.03		.03	.25								

MARYLAND AND DELAWARE
NOVEMBER 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	
FROSTBURG 2	2.10					.32	T		T	.14		.39	.16		.56	.09	T		T	.02		T	.09	T		.04	.29						
SHARPSBURG 5 S	2.14					.05				.17		.41	.12	.01	.66	.25		T	.02	.01			.03			.18	.23						
WILLIAMSPORT	2.14					.09				.31		.46		.08	.44	.21				.02	.01					.13	.38	.01					
ALLEGHENY PLATEAU 08																																	
OAKLAND 1 SE	5.45					.52						.23	.25	.02	.80	2.25				.03	.02		.20			.27	.86						
SAVAGE RIVER DAM	1.65					.21			T	.19		.25	.12		.47	.06				.02	T	T	T			.06	.27						
DELAWARE																																	
NORTHERN 01																																	
BEAR 2 SW	2.11				T	.04	.21			.08	.02	.05	.22		.63				.12	.50	.04		T			.20							
NEWARK UNIV FARM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WILMINGTON NEW CASTLE R	1.69	T			T	.04	.14			T	.01	.10	.19		.37				.20	.36	.03		T		T	.25	T						
WILMINGTON PORTER RSVR	1.78					.03	.14					.04	.35		.36				.20	.39	.05					.10	.12						
SOUTHERN 02																																	
DOVER	2.21					.25					.05	.10	.22		.23	.21	.02			.97						.13	.03						
GREENWOOD 2NE	1.21					.14	.14			T		.03	.13		.39					.30			.02			.06	T						
LEWES	1.72					.32	T			.07	.01	.02	.13	.03	.23	T				.80			T			.03	.08			T			

DAILY TEMPERATURES (°F)

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE	
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
LAUREL 3 W M	MID	MIN OBS	39	37	40	39	36	39	44	29	31	37	31	31	42	41	48	39	32	37	39	39	45	49	38	20	30	39	42	36	35	34	37.3		
		MAX	71	57	62	58	60	53	49	46	43	47	51	51	60	64	61	45	50	53	42	59	71	73	45	41	52	59	63	46	58	47	54.6		
MD SCI CTR BALTIMORE M	MID	MIN	52	40	42	43	40	41	38	32	34	37	35	41	45	44	39	37	32	39	37	41	47	44	33	27	34	35	42	35	35	32	38.4		
		MAX	73	59	62	59	62	54	53	48	47	47	53	55	63	61	59	47	51	51	45	60	64	75	44	43	52	64	65	46	59	48	55.6		
NATL ARBORETUM DC	07	MIN	53	46	47	47	42	43	41	37	40	40	41	45	49	48	42	37	35	44	41	45	49	44	35	31	37	46	45	37	37	36	42.0		
		MAX	68	71	58	62	59	61	54	51	47	46	48	52	52	62	68	50	45	52	56	45	59	73	75	45	42	51	64	54	46	58	55.8		
OXON HILL	08	MIN	40	40	40	43	37	41	30	33	35	31	37	45	44	49	41	35	35	41	45	52	39	25	28	38	47	36	34	34	34	38.2			
		MAX	67	72	57	61	60	61	55	52	47	48	49	51	55	62	69	52	46	52	57	46	59	74	75	45	43	53	64	56	47	60	56.5		
UPPER MARLBORO 3 NNW	08	MIN	44	43	43	44	38	39	37	33	35	41	32	35	44	48	52	41	34	38	41	42	46	51	39	28	30	36	47	38	36	36	39.7		
		MAX	69	74	56	63	60	63	57	52	48	46	49	53	52	64	69	51	47	53	56	45	61	77	76	45	45	54	64	56	49	59	57.1		
		MIN OBS	48	39	40	41	34	35	35	28	28	34	30	29	43	40	46	39	32	36	40	40	44	46	36	22	22	34	45	37	33	35	36.4		
NORTHERN EASTERN SHORE 05																																			
CHESTERTOWN	23	MAX	67	56	58	57	60	54	52	45	47	45	50	52	58	64	64	47	44	52	44	55	64	70	43	41	51	62	62	45	54	44	53.6		
		MIN	39	40	45	43	35	44	38	30	29	38	36	42	42	40	42	38	35	40	41	41	45	45	34	25	30	44	41	32	38	32	38.1		
NORTHERN CENTRAL 06																																			
ABERDEEN PHILLIPS FLD	16	MAX	71	65	60	58	60	60	54	50	47	46	51	52	63	59	61	47	48	47	45	55	66	71	68	44	51	53	63	51	57	55	55.9		
		MIN	53	42	37	36	33	48	37	29	35	32	29	41	47	46	45	42	32	41	39	40	44	42	37	21	28	44	51	37	36	34	38.6		
CATOCTIN MTN PARK	17	MAX	65	54	57	58	55	52	45	42	36	45	46	57	61	59	60	42	45	43	36	59	70	68	46	40	51	54	42	54	44	51.3			
		MIN	49	35	35	38	37	36	35	27	30	32	28	36	45	45	37	32	30	34	31	34	45	40	30	20	30	37	37	26	29	25	34.2		
CONOWINGO DAM	07	MAX	67	71	59	61	60	62	57	53	49	48	48	55	54	62	62	62	48	50	47	48	52	66	72	47	44	48	66	63	48	60	56.3		
		OBS																						***											
		MIN	40	40	46	40	36	35	40	30	30	29	36	40	44	42	45	39	30	35	39	40	42	44	38	26	28	28	42	32	35	30	36.7		
CYLBURN	08	OBS																					***												
		MAX	65	68	55	57	55	60	52	50	42	44	53	52	53	60	59	48	43	47	49	45	56	64	72	42	40	51	60	52	48	58	53.3		
		MIN	49	36	36	41	36	37	39	28	30	33	37	45	41	40	47	38	32	38	37	38	44	42	31	23	29	33	44	31	32	31	36.6		
EMMITSBURG 2 SE	07	OBS																																	
		MAX	65	63	53	61	56	59	50	49	43	40	43	47	51	62	59	49	44	46	41	39	55	71	70	41	40	53	56	50	42	58	51.9		
		MIN	31	33	33	38	32	32	39	23	23	34	25	25	42	39	46	38	29	33	35	35	39	45	33	19	21	24	41	30	27	31	32.5		
FREDERICK 2 NNE	07	MAX	69	67	56	62	56	62	51	49	46	42	45	50	55	65	61	50	44	50	44	44	56	73	73	43	42	54	53	51	46	50	53.6		
		OBS																						36											
		MIN	34	33	33	39	32	32	42	26	26	34	26	26	42	43	47	39	29	33	36	36	41	46	36	22	22	28	42	30	33	33	34.0		
MILLERS 4 NE	18	MAX	65	54	57	54	57	51	48	42	39	42	48	52	62	53	60	41	44	41	37	54	71	71	46	39	51	49	58	43	54	49	51.1		
		MIN	47	32	37	39	31	40	38	24	26	33	29	38	43	39	38	35	29	37	32	36	44	46	30	19	27	38	39	29	30	27	34.4		
		MAX	67	61	56	59	54	59	48	48	42	41	43	46	56	64	65	47	41	41	47	42	59	71	70	41	41	52	59	47	43	56	52.2		
SMITHSBURG 2NW	08	MIN	42	30	29	32	29	30	39	23	23	36	25	25	41	40	46	36	31	33	34	35	42	48	33	18	20	24	42	30	29	28	32.4		
		OBS	31																																
		MIN	31																																
APPALACHIAN MOUNTAIN 07																																			

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	
CUMBERLAND 2	18	MAX	64	57	62	55	62	57	48	48	43	42	45	63	67	61	60	42	43	44	42	51	74	63	45	44	54	56	56	48	57	52	53.5	
		MIN OBS	44 29	27 29	27 27	30 30	31 38	38 24	24 24	36 34	35 41	42 42	42 35	30 30	30 34	38 36	38 30	30 30	34 34	38 34	40 48	48 34	23 23	23 26	43 43	30 30	28 27	27	33.1					
FROSTBURG 2	07	MAX	68	54	54	55	49	56	41	38	40	38	37	42	57	59	60	40	33	36	38	36	56	66	63	32	35	47	51	39	44	49	47.1	
		MIN	34	28	28	28	30	32	32	22	22	30	28	28	37	42	37	28	24	26	32	32	36	50	26	16	16	24	37	24	23	21	29.1	
SHARPSBURG 5 S	07	MAX	69	64	58	62	57	62	52	51	46	42	46	50	59	66	66	51	46	50	45	43	58	74	74	43	43	56	59	50	46	60	54.9	
		MIN OBS	32 67	29 63	29 57	31 64	30 56	30 61	37 50	23 48	23 45	38 41	25 44	26 44	43 48	42 55	47 66	35 65	25 53	27 53	36 46	36 42	43 41	51 55	35 73	19 71	19 44	27 43	44 55	29 50	29 44	26 59	32.2	
WILLIAMSPORT	06	MAX	67	63	57	64	56	61	50	48	45	41	44	48	55	66	65	53	53	46	42	41	55	73	71	44	43	55	57	50	44	59	53.9	
		MIN	33	33	31	31	31	31	31	25	25	34	28	29	41	41	44	40	28	30	36	35	41	48	37	22	23	26	42	30	29	32	32.9	
ALLEGHENY PLATEAU 08																																		
OAKLAND 1 SE	07	MAX	62	53	50	54	48	59	37	38	41	37	38	48	57	60	58	35	31	43	45	54	58	66	61	33	40	53	59	39	45	48	48.3	
		OBS MIN	53 27	50 23	54 21	48 21	59 27	37 28	38 31	41 28	37 22	38 33	48 28	48 32	57 46	60 41	58 34	35 25	31 25	43 30	45 31	54 33	58 52	66 50	61 25	33 12	40 12	53 25	59 34	39 24	45 20	48 20	42 20	28.7
SAVAGE RIVER DAM	08	MAX	66	55	47	55	51	58	42	41	41	38	43	44	60	60	40	36	41	40	38	59	67	65	34	36	47	53	42	41	50	48.3		
		MIN	30	28	27	27	30	32	37	25	25	33	31	31	31	43	40	32	26	29	34	35	38	46	30	19	19	26	26	28	28	24	30.3	
DELAWARE																																		
NORTHERN 01																																		
BEAR 2 SW M	MID	MAX	70	55	56	57	60	53	51	48	46	45	52	52	62	60	63	46	47	46	43	51	67	71	42	41	52	63	63	45	53	43	53.4	
		MIN	39	36	36	33	30	40	28	26	26	32	30	41	39	39	39	35	30	41	39	42	44	42	25	19	25	42	38	32	29	29	34.2	
NEWARK UNIV FARM	17	MAX																															M	
		MIN																															M	
WILMINGTON NEW CASTLE M	MID	MAX	71	57	59	58	60	55	53	47	46	47	52	51	64	58	64	48	48	49	44	51	64	72	44	42	53	64	64	45	54	43	54.2	
		MIN	43	38	41	39	36	41	33	28	30	33	30	43	41	41	40	36	33	41	40	43	43	42	28	23	28	43	41	32	36	30	36.5	
WILMINGTON PORTER RSVRM	MID	MAX	67	53	55	54	57	51	49	49	44	43	48	48	59	57	61	44	45	42	42	49	63	69	39	38	49	61	61	41	51	41	51.0	
		MIN OBS	47 47	41 41	42 42	39 39	37 35	33 33	32 32	29 39	38 38	41 41	43 41	42 42	34 34	32 38	37 42	46 46	38 38	29 24	28 28	29 24	28 28	39 39	38 38	29 24	28 28	42 42	39 33	33 33	31 31	36.8		
SOUTHERN 02																																		
DOVER	16	MAX	69	69	56	59	60	60	52	50	47	47	50	53	62	67	66	46	49	55	54	56	69	70	70	45	52	66	65	50	56	55	57.5	
		MIN	55	44	45	41	32	44	34	32	29	39	32	38	43	41	42	40	33	40	43	43	47	45	30	29	31	45	50	33	33	32	38.8	
GREENWOOD 2NE	07	MAX	69	71	55	58	58	62	55	52	46	48	44	52	53	62	69	64	47	50	57	57	57	71	72	44	42	51	67	60	45	58	56.5	
		MIN	37	44	44	38	32	32	28	28	35	30	33	43	38	43	40	31	35	43	41	42	49	36	22	23	30	47	36	28	33	35.8		
LEWES	17	MAX	74	71	56	59	61	57	53	48	49	47	49	53	61	69	66	48	51	56	53	60	74	74	68	40	52	61	67	49	58	54	57.9	
		MIN	57	50	48	44	36	43	40	35	34	44	37	39	50	42	43	41	34	38	48	47	48	58	38	30	32	43	48	39	33	37	41.9	

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 UPPER SOUTHERN 04 BALTIMORE WASH INTL AP R SN ON GND WTR EQUIV APPALACHIAN MOUNTAIN 07 FROSTBURG 2	SNOWFALL									T																						
	SNOWFALL SN ON GND							T		.1 T	T						.7 1	T T						T T	T T							
DELAWARE																																

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)

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)	
MARYLAND											
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
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	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
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
DELAWARE											
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."

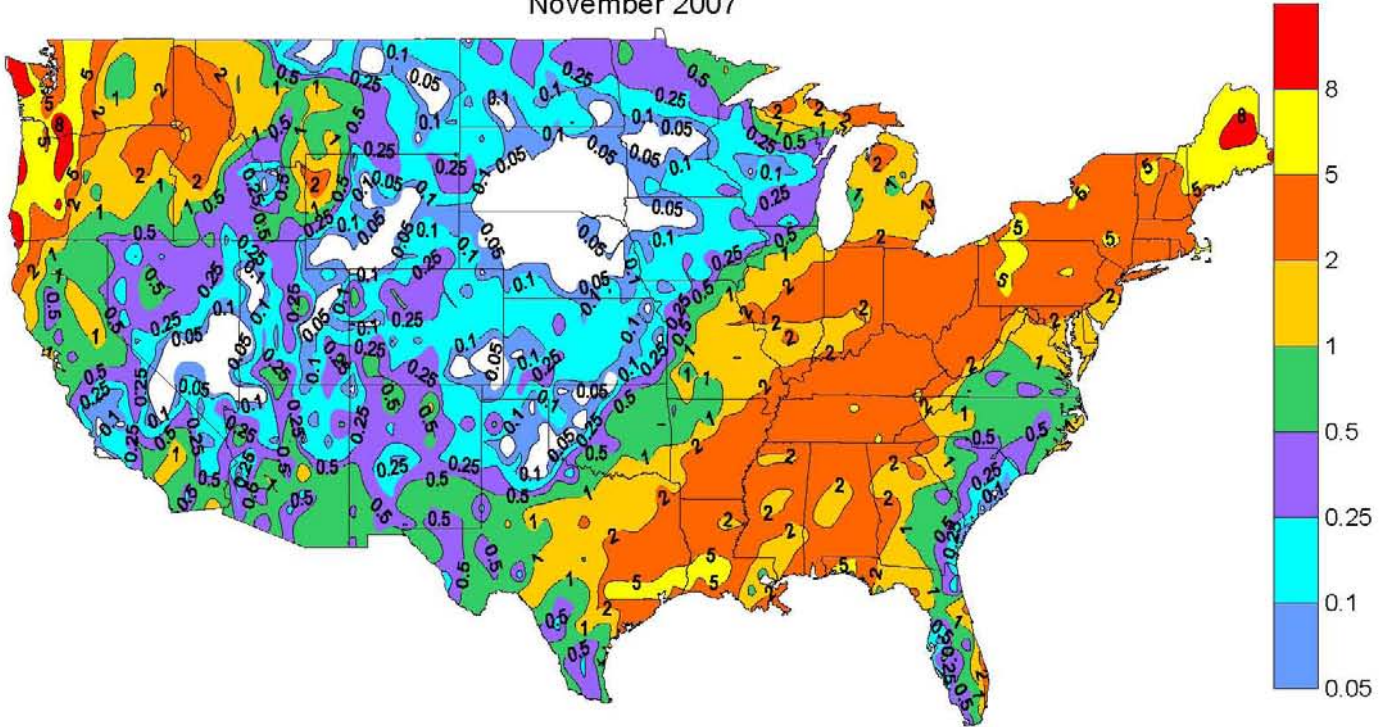
Information concerning the history of changes in locations, exposure, etc. of substations is kept on file at the National Climatic Data Center. Historical information of regular National Weather Service Offices may be obtained from the "Local Climatological Data" annual publication. The contents of this 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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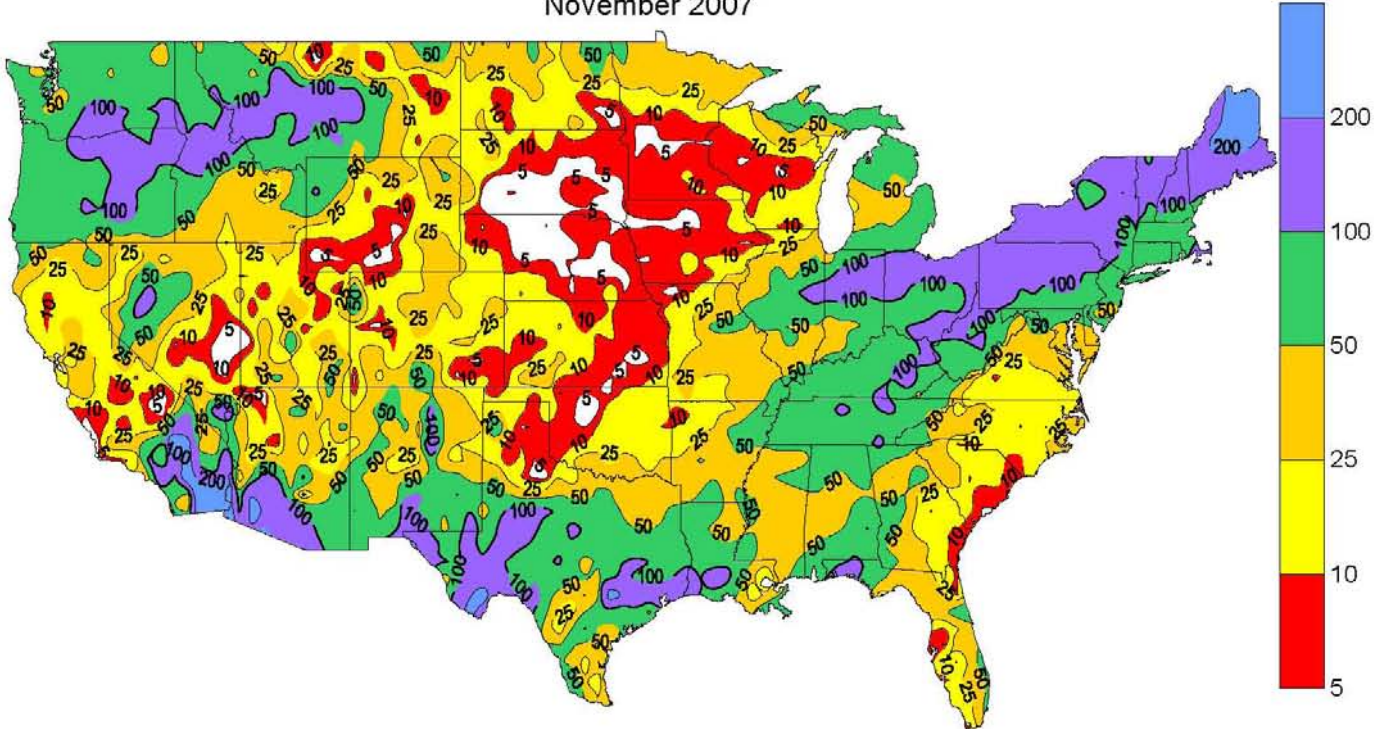
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Total Precipitation (Inches)
November 2007



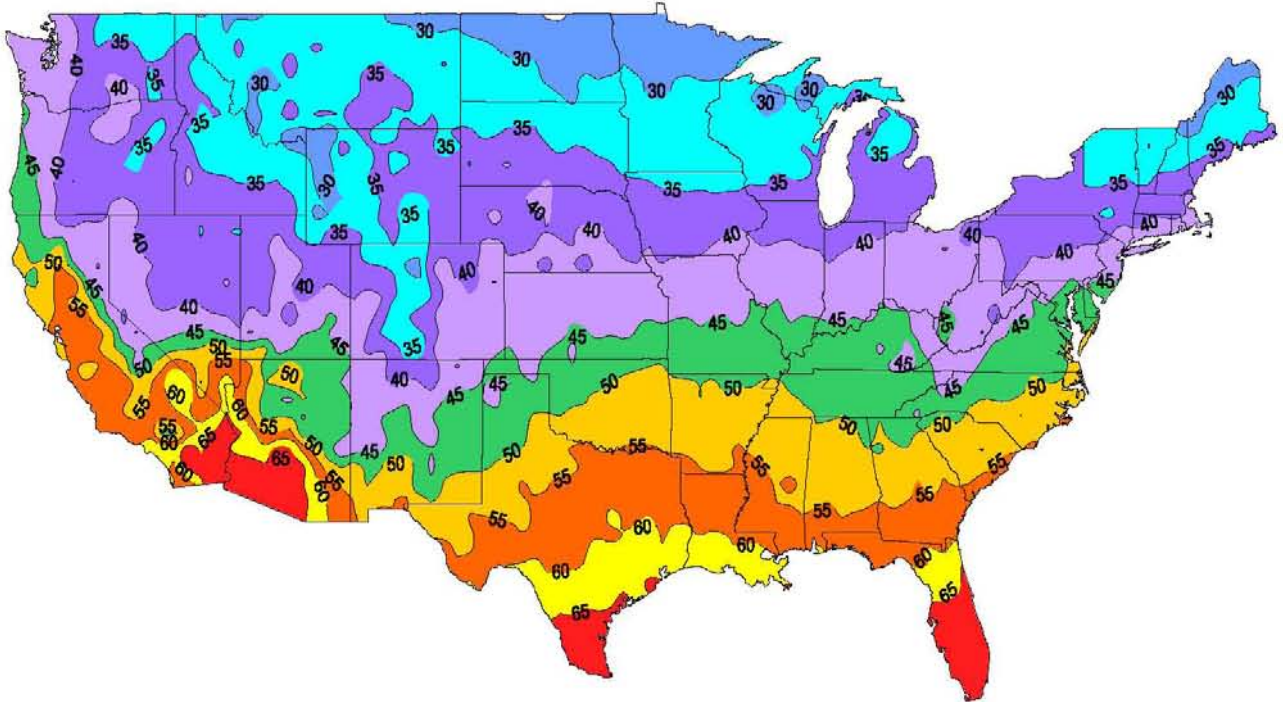
Percent of Normal
November 2007



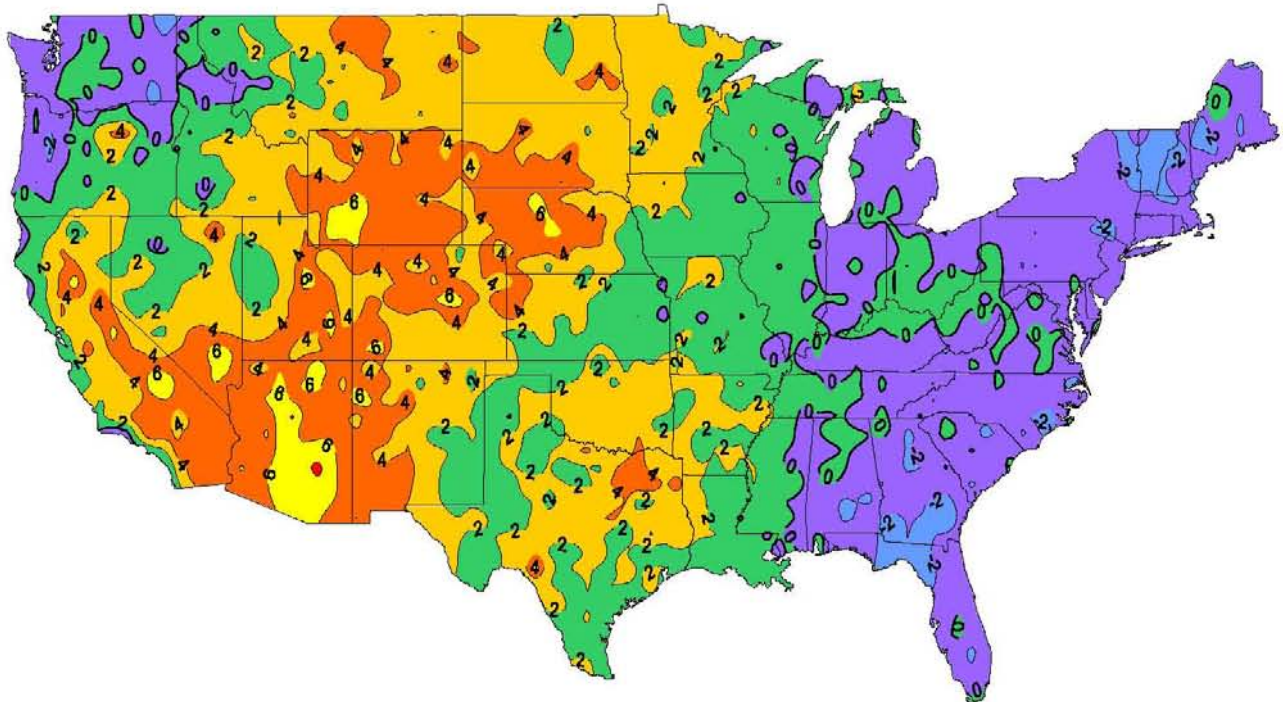
NOTE Contour maps are computer-generated and intended to show general temperature and precipitation patterns. Therefore, contours may not always account for individual datum points.

National Climatic Data Center, NOAA

Average Temperature (Degrees F)
November 2007

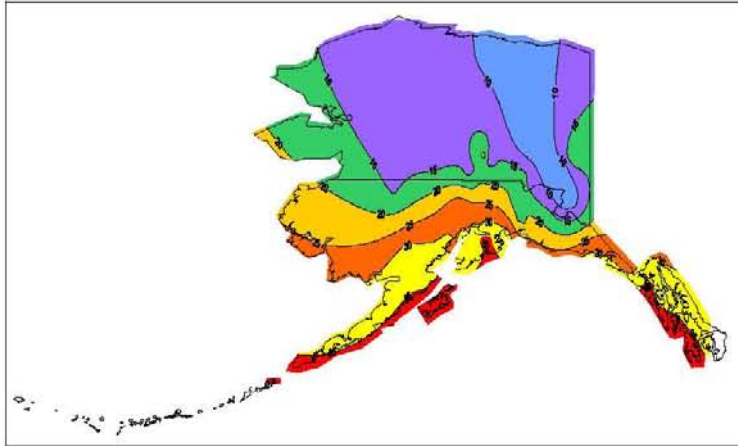


Departure of Average Temperature from Normal (Degrees F)
November 2007

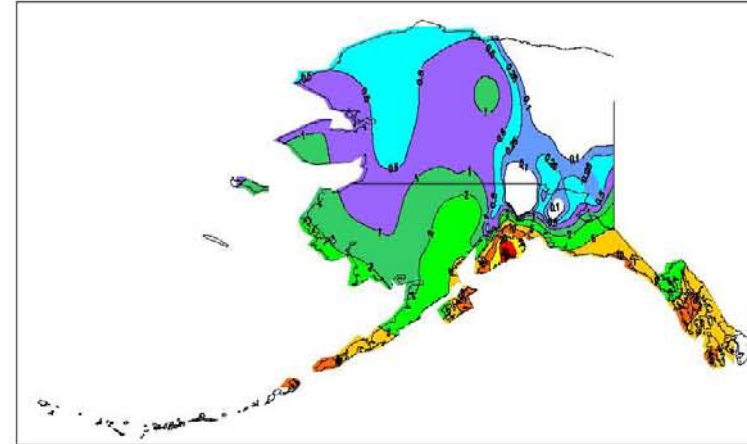


NOTE Contour maps are computer-generated and intended to show general temperature and precipitation patterns. Therefore, contours may not always account for individual datum points.

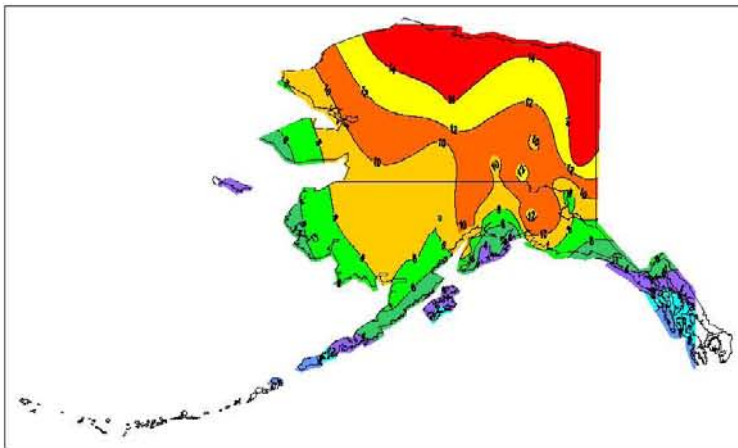
Average Temperature (Degrees F)
November 2007



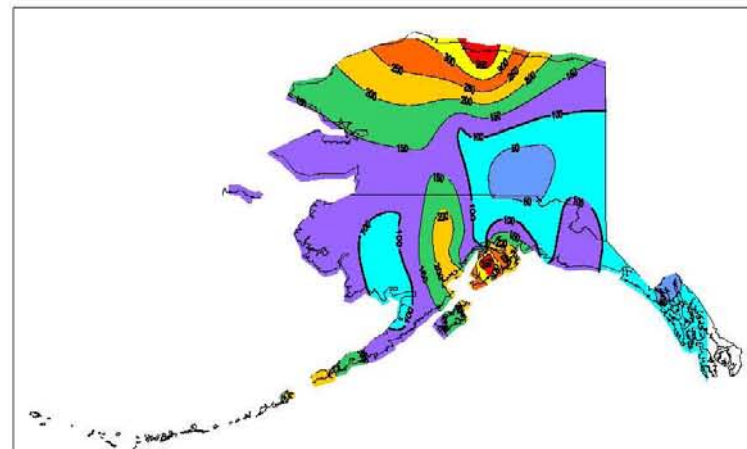
Alaska Precipitation (Inches)
November 2007



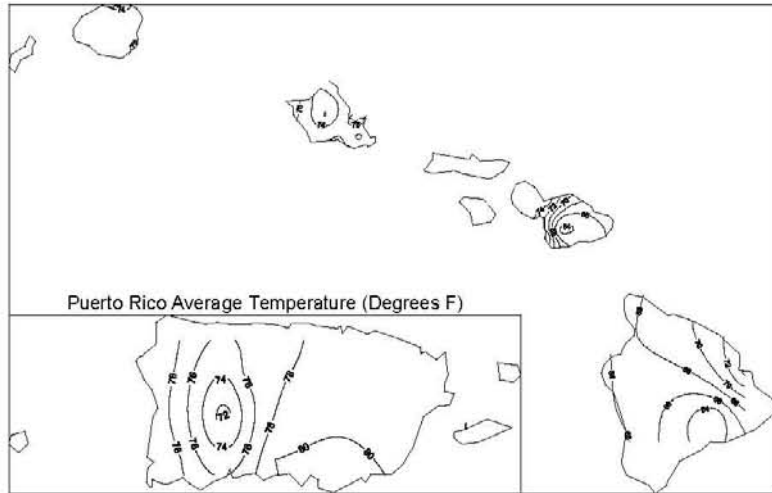
Departure of Average Temperature from Normal (Degrees F)
November 2007



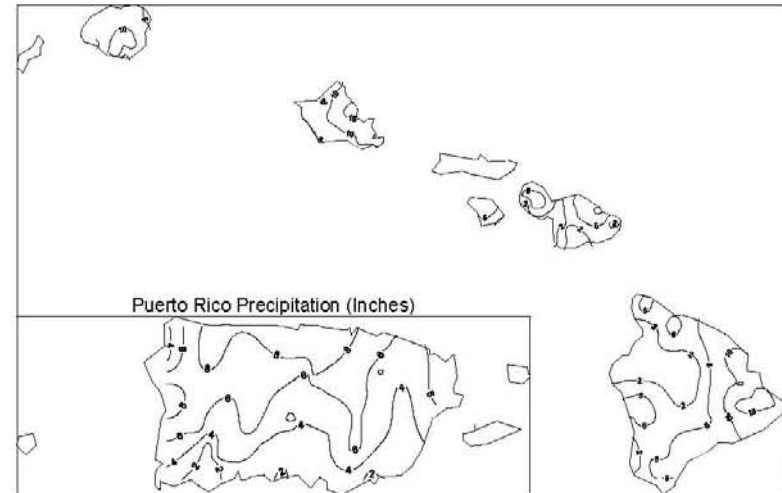
Percent of Normal Precipitation
November 2007



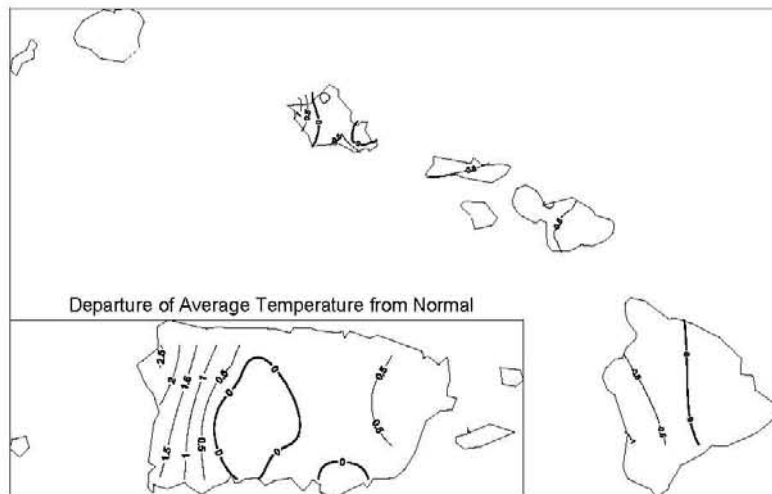
Hawaii Average Temperature (Degrees)
November 2007



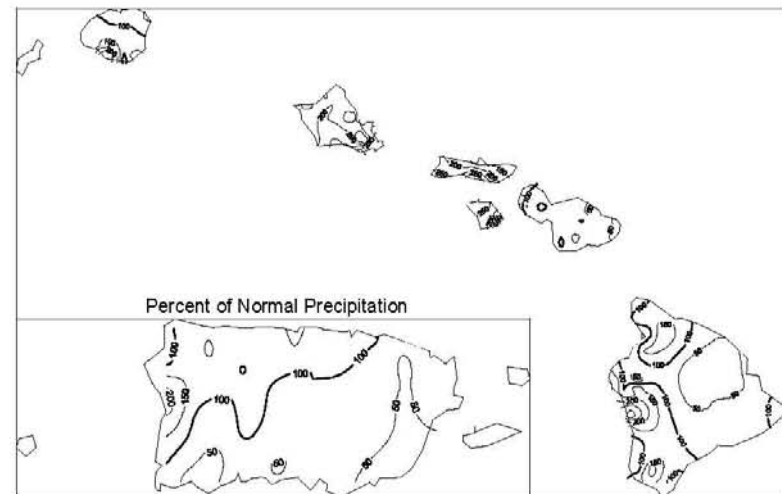
Hawaii Precipitation (Inches)
November 2007



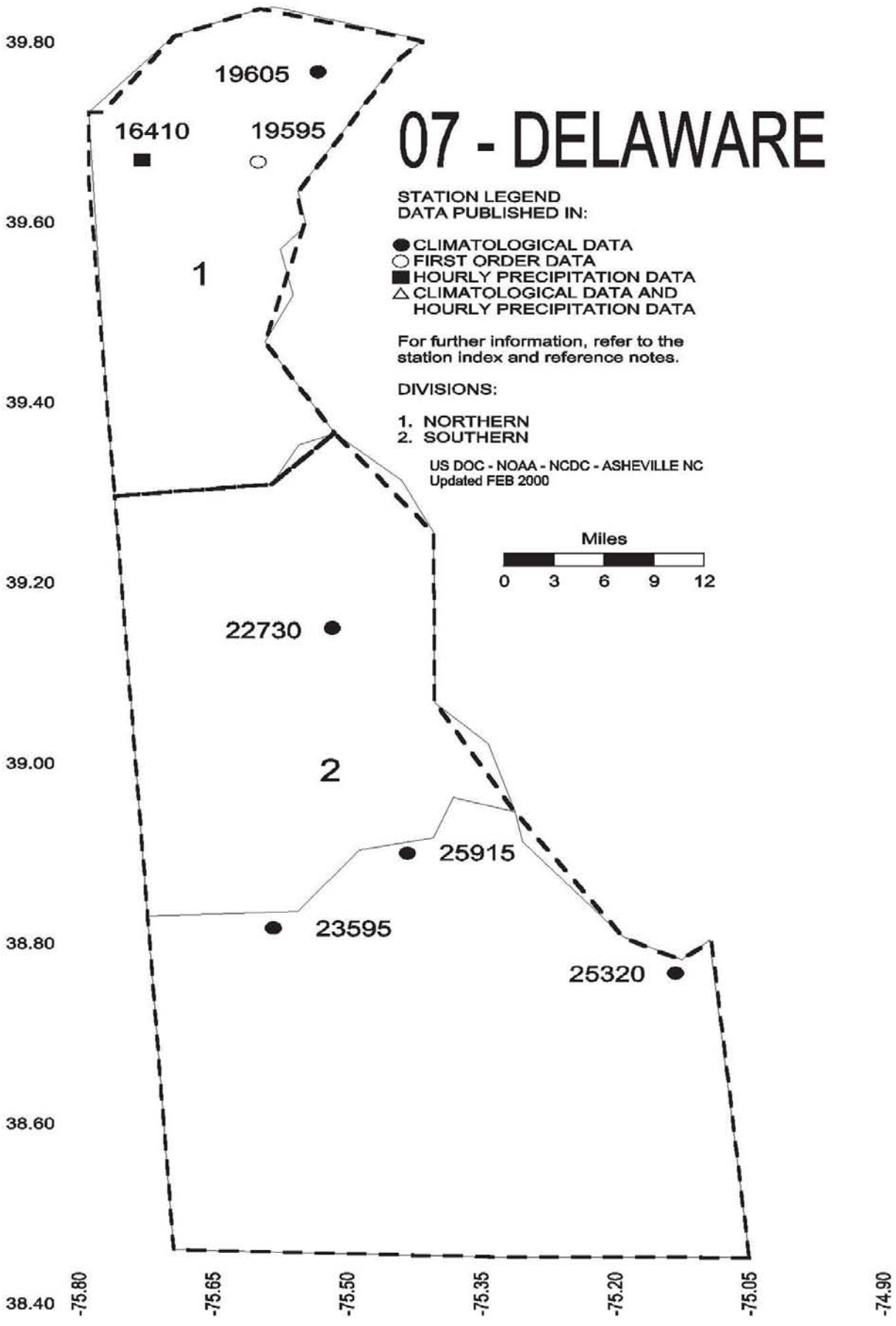
Departure of Average Temperature from Normal (Degrees)
November 2007

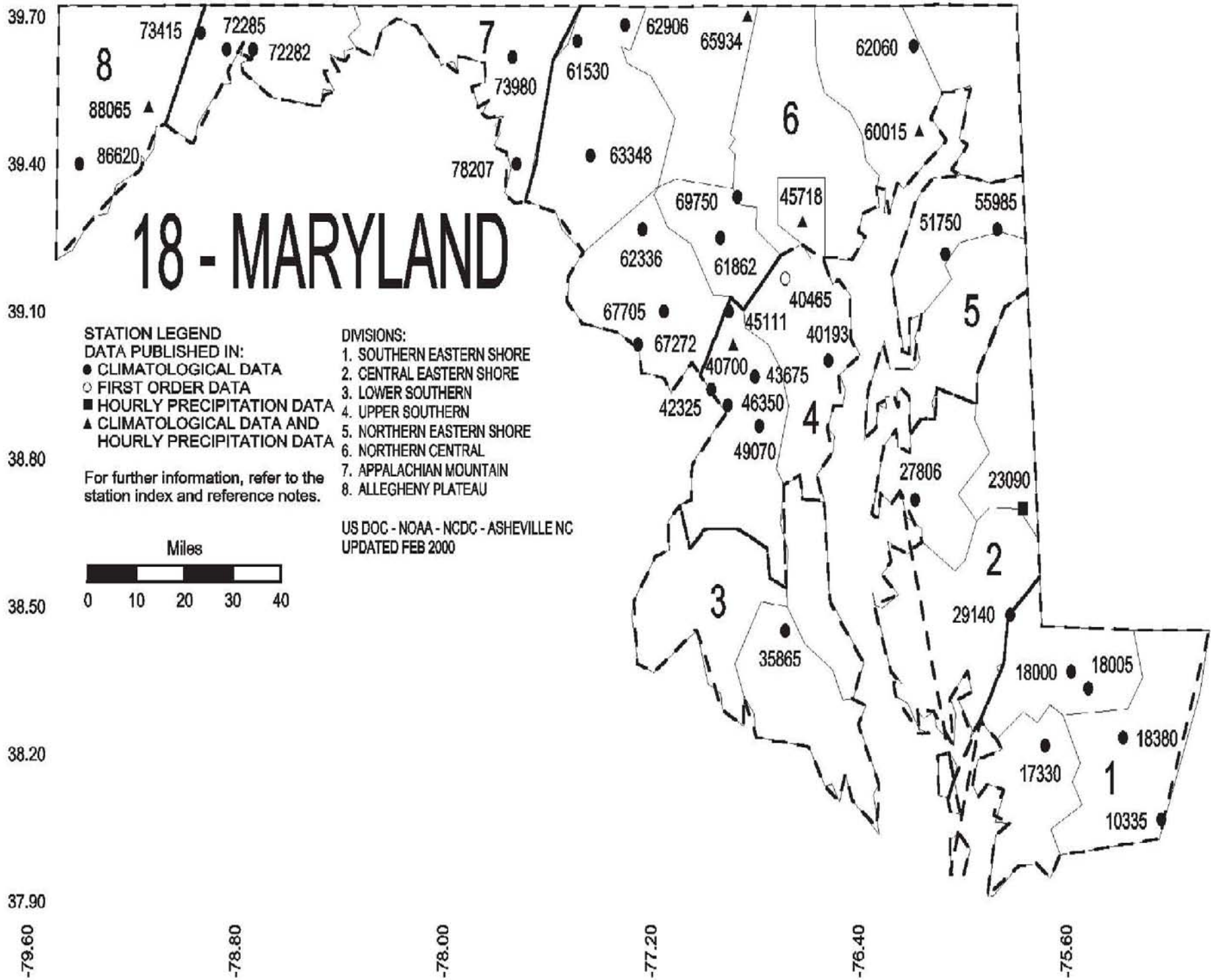


Hawaii Percent of Normal Precipitation
November 2007



07 - DELAWARE





These and other publications are available from the National Climatic Data Center

Hourly Precipitation Data

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

Climatological Data

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

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

Storm Data

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

Monthly Climatic Data for the World

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

Local Climatological Data

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

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