

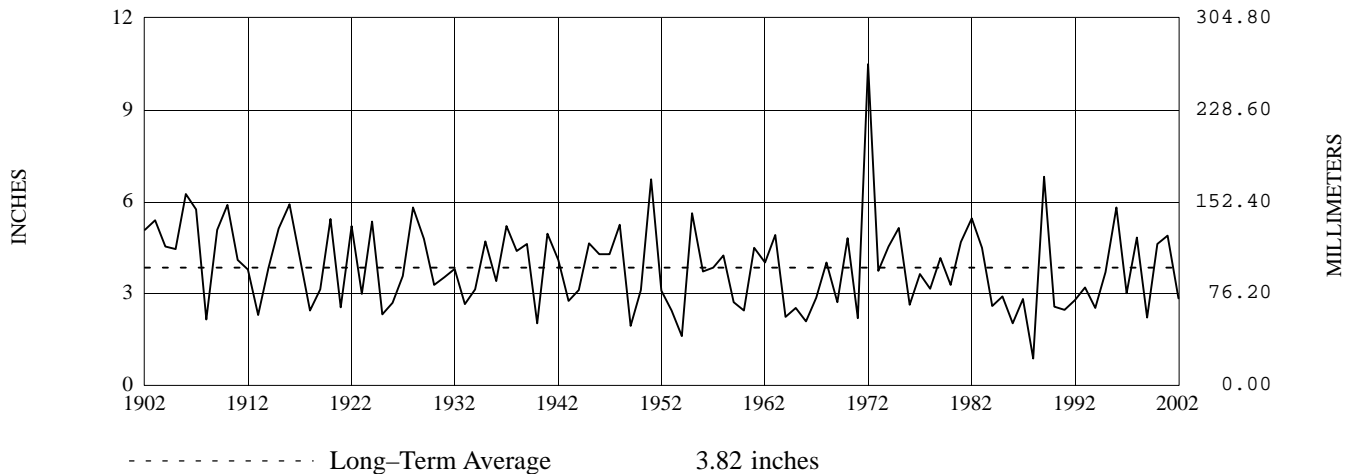
# CLIMATOLOGICAL DATA

## MARYLAND AND DELAWARE

JUNE 2002

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MARYLAND AND DELAWARE PRECIPITATION JUNE, 1902-2002

### TEMPERATURE AND PRECIPITATION EXTREMES

#### MARYLAND

HIGHEST TEMPERATURE	100	JUNE 26	SMITHSBURG 2 NW
LOWEST TEMPERATURE	40	JUNE 9	SALISBURY FAA ARPT
GREATEST TOTAL PRECIPITATION	4.54		ASSATEAGUE
LEAST TOTAL PRECIPITATION	1.61		VIENNA
GREATEST 1 DAY PRECIPITATION	2.09	JUNE 14	ASSATEAGUE

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## TEMPERATURE AND PRECIPITATION EXTREMES

### DELAWARE

HIGHEST TEMPERATURE	96	JUNE 26	2 STATIONS
LOWEST TEMPERATURE	49	JUNE 8	GREENWOOD 2 NE
GREATEST TOTAL PRECIPITATION	4.96		WILMINGTON WSO ARPT R
LEAST TOTAL PRECIPITATION	1.82		MILFORD 2 SE
GREATEST 1 DAY PRECIPITATION	2.60	JUNE 7	DOVER

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MONTHLY STATION AND DIVISION SUMMARY

STATION	TEMPERATURE (°F)												NO. OF DAYS			
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	MAX		MIN			
											90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW		
<b>MARYLAND</b>																
SOUTHERN EASTERN SHORE 01																
ASSATEAGUE	81.9	64.0	73.0	2.8	91	13+	47	9	8	255	3	0	0	0		
PRINCESS ANNE	M	M	M		99	25	44	10			10	0	0	0		
SALISBURY	86.5	64.8	75.7	2.8	97	25	51	10+	1	325	10	0	0	0		
SALISBURY POLICE BRKS	89.1	65.1	77.1		98	27+	50	9	2	373	16	0	0	0		
SALISBURY FAA ARPT	84.4	57.7	71.1	-1.1	96	25	40	9	16	206	8	0	0	0		
SNOW HILL 4 N	87.2	61.8	74.5	1.6	96	24	44	9	6	300	12	0	0	0		
--DIVISIONAL DATA----->			74.3	2.1												
CENTRAL EASTERN SHORE 02																
ROYAL OAK 2 SSW	85.5	65.6	75.6	1.4	94	25	52	8	1	324	8	0	0	0		
VIENNA	88.0	64.2	76.1	2.8	99	26+	51	8	1	340	14	0	0	0		
--DIVISIONAL DATA----->			75.9	2.6												
LOWER SOUTHERN 03																
MECHANICSVILLE 5 NE	84.1	63.0	73.6	1.6	94	25	49	8	3	267	8	0	0	0		
OXON HILL	86.4	63.7	75.1		96	27+	53	8	1	312	11	0	0	0		
--DIVISIONAL DATA----->			74.4	1.9												
UPPER SOUTHERN 04																
ANNAPOLIS POLICE BRKS	88.5M	64.1M	76.3M	3.9	98	11	56	3	0	347	13	0	0	0		
BALTIMORE WSO ARPT R	85.0	62.5	73.8	2.0	97	26	54	17+	3	275	8	0	0	0		
BELTSVILLE	84.5	62.8	73.7	1.6	95	26	53	9+	3	271	8	0	0	0		
DALECARLIA RESERVOIR	88.7	64.4	76.6	3.4	98	25	55	9	0	354	13	0	0	0		
GLENN DALE BELL STN	85.8	61.3	73.6	3.3	96	27	51	9+	2	264	11	0	0	0		
LAUREL 3 W	85.9	63.8	74.9	2.1	97	26+	54	9	0	304	12	0	0	0		
MD SCI CTR BALTIMORE R	85.4M	67.3M	76.4M		99	26	59	9	1	349	8	0	0	0		
UPPER MARLBORO 3 NNW	85.4	62.9	74.2	2.9	95	27+	52	8	4	286	11	0	0	0		
--DIVISIONAL DATA----->			74.9	2.6												
NORTHERN EASTERN SHORE 05																
CHESTERTOWN	87.2	61.4	74.3	1.6	98	26+	51	8	3	290	13	0	0	0		
--DIVISIONAL DATA----->			74.3	2.1												
NORTHERN CENTRAL 06																
ABERDEEN PHILLIPS FLD	84.8M	M	M		94	27+	55	18+			7	0	0	0		
CATOCTIN MOUNTAIN PARK	80.0	61.4	70.7	1.5	89	26	51	3	10	188	0	0	0	0		
CLARKSVILLE 3 NNE	84.8	59.5	72.2	1.5	96	25	51	9+	4	226	8	0	0	0		
CONOWINGO DAM	85.9	62.3	74.1	2.6	98	25	56	19+	5	281	11	0	0	0		
DAMASCUS 3 SSW	81.1	60.8	71.0		91	26+	50	3	7	196	4	0	0	0		
EMMITTSBURG 2 SE	83.8	59.4	71.6	1.1	96	12+	50	18+	5	209	5	0	0	0		
FREDERICK POLICE BRKS	84.5	64.1	74.3	.7	94	25	56	9+	0	288	8	0	0	0		
MILLERS 4 NE	81.7	60.7	71.2	1.5	91	25+	51	18	7	200	3	0	0	0		
ROCKVILLE 1 NE	84.7	63.5	74.1	3.4	95	26+	55	8	0	277	8	0	0	0		
SMITHSBURG 2 NW	87.3	60.6	74.0		100	26	48	3	1	277	13	0	0	0		
--DIVISIONAL DATA----->			72.6	1.6												
APPALACHIAN MOUNTAIN 07																
CUMBERLAND 2	85.7	59.7	72.7	2.5	95	25	51	7	2	239	7	0	0	0		
CUMBERLAND POLICE BRK	83.4	58.4	70.9		92	5	47	3	7	191	5	0	0	0		
FROSTBURG 2	77.4	56.2	66.8	2.6	87	6	46	3	40	104	0	0	0	0		
HAGERSTOWN POLICE BRK	83.8	60.4	72.1		92	25	51	3	0	222	4	0	0	0		
SHARPSBURG 5 S	84.2	58.6	71.4		94	26	47	3	5	204	6	0	0	0		
--DIVISIONAL DATA----->			70.8	1.6												
ALLEGHENY PLATEAU 08																
OAKLAND 1 SE	78.1	55.3	66.7	2.4	88	25	43	3	38	95	0	0	0	0		
SAVAGE RIVER DAM	80.0	57.2	68.6	3.1	93	25	47	3	33	147	4	0	0	0		
--DIVISIONAL DATA----->			67.7	3.5												
<b>DELAWARE</b>																
NORTHERN 01																
NEWARK UNIVERSITY FARM	86.3	60.4	73.4	1.6	96	26	50	20	0	259	9	0	0	0		
WILMINGTON WSO ARPT R	81.5	62.0	71.8	.3	93	26	52	8	7	219	3	0	0	0		
WILMINGTON PORTER RSVR	81.3	62.1	71.7	.9	93	26	52	8	10	220	3	0	0	0		
--DIVISIONAL DATA----->			72.3	.8												
SOUTHERN 02																
DOVER	83.9	64.4	74.2	1.3	94	26	52	9	3	284	5	0	0	0		
GREENWOOD 2 NE	83.8	61.3	72.6	1.9	95	26	49	8	12	244	8	0	0	0		
LEWES	84.3	65.9	75.1	2.6	96	26	53	9	4	316	9	0	0	0		
MILFORD 2 SE	84.1	62.1	73.1	1.3	95	27+	50	9	9	258	8	0	0	0		

MONTHLY STATION AND DIVISION SUMMARY

STATION	PRECIPITATION ( IN )									
	TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	ICE PELLETS, SNOW			NO. OF DAYS		
					TOTAL	MAX. DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
<b>MARYLAND</b>										
SOUTHERN EASTERN SHORE 01										
ASSATEAGUE	4.54	1.69	2.09	14	.0	0		5	3	2
PRINCESS ANNE	2.41	-.72	1.49	7	.0	0		2	1	1
SALISBURY	2.08	-1.54	1.41	7	.0	0		5	1	1
SALISBURY POLICE BRKS	3.88		1.50	7	.0	0		6	3	1
SALISBURY FAA ARPT	2.08	-1.49	.95	6	M	M		4	1	0
SNOW HILL 4 N	2.05	-1.38	.78	7	.0	0		4	2	0
--DIVISIONAL DATA----->	2.84	-.55			.0					
CENTRAL EASTERN SHORE 02										
ROYAL OAK 2 SSW	2.08	-1.39	.67	28	.0	0		5	1	0
VIENNA	1.61	-2.11	.93	7	.0	0		5	1	0
--DIVISIONAL DATA----->	1.85	-1.80			.0					
LOWER SOUTHERN 03										
MECHANICSVILLE 5 NE	2.91	-1.36	1.19	6	.0	0		6	2	1
OXON HILL	3.86		1.61	14	.0	0		8	1	1
--DIVISIONAL DATA----->	3.39	-.33			.0					
UPPER SOUTHERN 04										
ANNAPOLIS POLICE BRKS	M 2.74		1.02	27	.0	0		5	2	1
BALTIMORE WSO ARPT R	2.39	-1.04	1.19	6	T	T		4	1	1
BELTSVILLE	2.17	-1.42	.56	19	.0	0		5	2	0
DALECARLIA RESERVOIR	1.93	-1.76	.55	28	.0	0		6	1	0
GLENN DALE BELL STN	2.06	-1.67	.51	14	.0	0		6	1	0
LAUREL 3 W	2.35	-1.57	1.12	6	.0	0		4	2	1
MD SCI CTR BALTIMORE R	M 2.75		1.13	6	M	M		5	3	1
UPPER MARLBORO 3 NNW	2.52	-1.31	.62	20	.0	0		7	2	0
--DIVISIONAL DATA----->	2.24	-1.46			.0					
NORTHERN EASTERN SHORE 05										
CHESTERTOWN	1.88	-2.38	.65	6	.0	0		4	1	0
--DIVISIONAL DATA----->	1.88	-2.11			.0					
NORTHERN CENTRAL 06										
ABERDEN PHILLIPS FLD	3.25	-.78	1.11	6	M	0		5	3	2
CATOCTIN MOUNTAIN PARK	2.95	-1.66	.75	14	.0	0		7	2	0
CLARKSVILLE 3 NNE	1.64	-2.20	.49	6	.0	0		6	0	0
CONOWINGO DAM	2.06	-2.09	.92	14	.0	0		5	2	0
DAMASCUS 3 SSW	3.36		.79	14	.0	0		7	3	0
EMMTSBURG 2 SE	3.20	-1.15	1.05	13	.0	0		8	2	1
FREDERICK POLICE BRKS	3.54	-.37			.0	0		5	1	0
MILLERS 4 NE	2.28	-1.34	.81	13	.0	0		7	1	0
ROCKVILLE 1 NE	M 2.19		1.23	14	.0	0		4	1	1
SMITHSBURG 2 NW	4.16		1.60	14	.0	0		9	3	1
--DIVISIONAL DATA----->	2.94	-1.04			.0					
APPALACHIAN MOUNTAIN 07										
CUMBERLAND 2	3.20	.08	1.28	14	.0	0		6	3	1
CUMBERLAND POLICE BRK	M 3.03		1.25	14	.0	0		5	3	1
FROSTBURG 2	3.34	-.50	1.02	7	.0	0		7	2	1
HAGERSTOWN POLICE BRK	M 1.04		.65	7	.0	0		3	1	0
SHARPSBURG 5 S	3.12		1.09	28	.0	0		6	3	1
--DIVISIONAL DATA----->	3.22	-.23			.0					
ALLEGHENY PLATEAU 08										
OAKLAND 1 SE	3.65	-.95	.80	13	.0	0		11	2	0
SAVAGE RIVER DAM	2.84	-.83	.74	14	.0	0		7	2	0
--DIVISIONAL DATA----->	3.25	-.83			.0					
<b>DELAWARE</b>										
NORTHERN 01										
NEWARK UNIVERSITY FARM	3.17	-.89	2.11	14	.0	0		6	1	1
WILMINGTON WSO ARPT R	4.96	1.37	1.68	13	.0	M		9	3	1
WILMINGTON PORTER RSVR	4.38	.32	1.17	24	.0	0		7	3	2
--DIVISIONAL DATA----->	4.17	.41			.0					
SOUTHERN 02										
DOVER	4.82	1.05	2.60	7	.0	0		5	3	1
GREENWOOD 2 NE	2.18	-1.38	.51	14	.0	0		6	1	0
LEWES	2.41	-.74	.75	7	.0	0		5	3	0
MILFORD 2 SE	1.82	-1.49	.55	14	.0	0		6	1	0

MONTHLY STATION AND DIVISION SUMMARY

STATION	TEMPERATURE (°F)																	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS							
											MAX		MIN					
											90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW				
--DIVISIONAL DATA----->			73.8	1.7														

MONTHLY STATION AND DIVISION SUMMARY

STATION	PRECIPITATION ( IN )									
	TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	ICE PELLETS, SNOW			NO. OF DAYS		
					TOTAL	MAX. DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
--DIVISIONAL DATA----->	2.81	-.68			.0					

DAILY PRECIPITATION ( INCHES )

STATION	TOTAL	DAY OF MONTH															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
<b>MARYLAND</b>																	
SOUTHERN EASTERN SHORE 01																	
ASSATEAGUE	4.54	.04					1.45	.01						.54	2.09	.01	
PRINCESS ANNE	2.41							1.49						*	.63	*	
SALISBURY	2.08							1.41						.16	.19	.13	
SALISBURY POLICE BRKS	3.88							1.50						.14	.69	.35	
SALISBURY FAA ARPT	2.08				T		.95	.01				T	.23	.37	.02		
SNOW HILL 4 N	2.05							.78						.10	.72	.30	
CENTRAL EASTERN SHORE 02																	
ROYAL OAK 2 SSW	2.08						.43	.23						.48	.06	.06	
VIENNA	1.61							.93						.10	.12	.26	
LOWER SOUTHERN 03																	
MECHANICSVILLE 5 NE	2.91						1.19	T					.04	.10	.19	.26	
OXON HILL	3.86						.22	.41							1.61	.39	
UPPER SOUTHERN 04																	
ANNAPOLIS POLICE BRKS	M 2.74	.01					.61							.28	.04	.40	
BALTIMORE WSO ARPT	R 2.39				T	.38	1.19	T					T	.49	.18	.07	
BELTSVILLE	2.17						.02	.36							.50	.33	
DALECARLIA RESERVOIR	1.93						.24	.20						.29	.37	.21	
GLENN DALE BELL STN	2.06						.13	.33							.51		
LAUREL 3 W	2.35					.01	1.12							.68	.22	.05	
MD SCI CTR BALTIMORE	R M 2.75					.10	1.13							.80	.50	.10	
UPPER MARLBORO 3 NNW	2.52						.42	.19							.57	.27	
NORTHERN EASTERN SHORE 05																	
CHESTERTOWN	1.88			T		.35	.65						T	.47	.33	.03	
NORTHERN CENTRAL 06																	
ABERDEEN PHILLIPS FLD	3.25	.12					1.11	.64						.13	1.09	*	
CATOCTIN MOUNTAIN PARK	2.95	.27					.70	.04					.11	.48	.75	.04	
CLARKSVILLE 3 NNE	1.64					.15	.49							.31	.35	.22	
CONOWINGO DAM	2.06	.11						.72							.92	.11	
DAMASCUS 3 SSW	3.36				T		.25	.27				T	T	.62	.79	.35	
EMMITSBURG 2 SE	3.20	.30				.10	.40						T	1.05	.70	.10	
FREDERICK POLICE BRKS	3.54	T				.07	.04	.14					.01	*	1.55	.22	
MILLERS 4 NE	2.28	.11			T	.03	.27	.08					T	.81	.33	.04	
POTOMAC FILTER PLANT	2.78					.15	.16						.03	1.23	.20	.40	
ROCKVILLE 1 NE	M 2.19	-				T	.05	.19						T	1.23	.19	
SMITHSBURG 2 NW	4.16	.28					.17	.68						.11	1.60	.11	
APPALACHIAN MOUNTAIN 07																	
CUMBERLAND 2	3.20	.05			.15	.17	.07	.59						.65	1.28	.14	
CUMBERLAND POLICE BRK	M 3.03				.33		.67	.05					.03	.53	1.25		
FROSTBURG 2	3.34	.18	T		.20	.02	.09	1.02						.39	.76	.31	
HAGERSTOWN POLICE BRK	M 1.04	-					.08	.65						-	.12		
SHARPSBURG 5 S	3.12	T			T	.16	.03	.54							.98	.11	
ALLEGHENY PLATEAU 08																	
OAKLAND 1 SE	3.65	.21	.11		.23	.12	.60	.15						T	.80	.23	.44
SAVAGE RIVER DAM	2.84	.33	.02		.14	.03	.03	.44						.63	.74	.17	
<b>DELAWARE</b>																	
NORTHERN 01																	
NEWARK UNIVERSITY FARM	3.17	.15					.15	.42									
WILMINGTON WSO ARPT	R 4.96			T	T	.25	.79	.01					.19	1.68	.93	.01	
WILMINGTON PORTER RSVR	4.38					.07	.67	.06					.03	.43	1.10	.03	
SOUTHERN 02																	
DOVER	4.82						.44	2.60						.16	.62	.03	
GREENWOOD 2 NE	2.18						.39	.36	.02					.33	.51	.09	
LEWES	2.41						.38	.75						.53	.13	.54	
MILFORD 2 SE	1.82						.34	.42						.10	.55	.12	



DAILY PRECIPITATION ( INCHES )

STATION	DAY OF MONTH															
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
<b>MARYLAND</b>																
SOUTHERN EASTERN SHORE 01																
ASSATEAGUE		.26											.14			
PRINCESS ANNE	*	.04											.25			
SALISBURY		.04										.02	.13			
SALISBURY POLICE BRKS												.90	.30	T		
SALISBURY FAA ARPT	.35	.01									T	.06	.08			
SNOW HILL 4 N		.03										.04	.08			
CENTRAL EASTERN SHORE 02																
ROYAL OAK 2 SSW	.15												.67			
VIENNA													.20			
LOWER SOUTHERN 03																
MECHANICSVILLE 5 NE	T			.18									.95			
OXON HILL		T		.36	.12							.08	.25	.42		
UPPER SOUTHERN 04																
ANNAPOLIS POLICE BRKS				-						*			.07	.26		
BALTIMORE WSO ARPT R		T		T							T	.08	T			
BELTSVILLE				.56	.07								.24	.09		
DALECARLIA RESERVOIR	.02											.05	.55			
GLENN DALE BELL STN		.35		.44									.30			
LAUREL 3 W											.09	.18				
MD SCI CTR BALTIMORE R			.01	.02								.09	.09			
UPPER MARLBORO 3 NNW				.17	.62							.02	.07	.19		-
NORTHERN EASTERN SHORE 05																
CHESTERTOWN			T	T								.05				
NORTHERN CENTRAL 06																
ABERDEEN PHILLIPS FLD	*	.04		.09	.01								.02			
CATOCTIN MOUNTAIN PARK	.02		.22	.02							.02	.01	.27			
CLARKSVILLE 3 NNE												.02	.10			
CONOWINGO DAM	.02			.12									.06			
DAMASCUS 3 SSW											.34	.02	.72			
EMMITSBURG 2 SE			.40										.15			
FREDERICK POLICE BRKS			.30										.45	.76		
MILLERS 4 NE		T	.33	.15	T						T		.13			
POTOMAC FILTER PLANT			.10	.24							.17		.10			
ROCKVILLE 1 NE	.34			T	.02							.04	.08	.05		
SMITHSBURG 2 NW				.33								.01	.71	.16		
APPALACHIAN MOUNTAIN 07																
CUMBERLAND 2	.04		.01										.05			
CUMBERLAND POLICE BRK	.17												-			
FROSTBURG 2	.15		.04		.03								.08	.07		
HAGERSTOWN POLICE BRK			T	.05								.01	.13			
SHARPSBURG 5 S				.11								.09	1.09	.01		
ALLEGHENY PLATEAU 08																
OAKLAND 1 SE	T												.37	.39		
SAVAGE RIVER DAM	T		.08		.02								.21			
<b>DELAWARE</b>																
NORTHERN 01																
NEWARK UNIVERSITY FARM			.11	.21												
WILMINGTON WSO ARPT R		.29	.24	.12					.08	.02		.37				
WILMINGTON PORTER RSVR		T	.23	.20					1.17			.39				
SOUTHERN 02																
DOVER	.02			.82	.05								.08			
GREENWOOD 2 NE	.26			.01	.19								.02			
LEWES	T												.08			
MILFORD 2 SE	.19				.04								.03	.03		



DAILY TEMPERATURES ( °F )

STATION	DAY OF MONTH																AVERAGE	
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
<b>MARYLAND</b>																		
SOUTHERN EASTERN SHORE 01																		
ASSATEAGUE	78	79	76	81	78	78	81	81	82	89	88	86	86	82	83		81.9	
	60	58	59	61	64	66	65	64	96	71	74	73	72	74	62	60		64.0
PRINCESS ANNE		89	88	89	85	84			96	99	94	88	89				M	
		53	52	58	52	57			55	67	73	70	71				M	
SALISBURY	81	82	83	83	84	84	87	87	96	97	92	90	88	88	87		86.5	
	55	64	62	57	61	62	61	62	71	71	76	77	73	70	65		64.8	
	65	46																
SALISBURY POLICE BRKS	85	85	85	86	84	84	89	91		98	98	98	91	87	92		89.1	
							***											
	58	66	62	63	61	60	60	59	63	71	74	78	74	69	64		65.1	
							***			60								
SALISBURY FAA ARPT	82	82	80	82	82	82	86	87	94	96	94	89	82	87	88		84.4	
	49	55	52	55	51	51	50	52	62	64	69	72	63	59	54		57.7	
SNOW HILL 4 N	83	84	80	83	83	82	85	89	96	95	94	90	89	88	88		87.2	
	54	64	57	58	57	59	53	57	61	68	72	75	72	66	58		61.8	
CENTRAL EASTERN SHORE 02																		
ROYAL OAK 2 SSW	81	81	84	82	86	84	86	87	93	94	93	91	87	87	87		85.5	
	63	60	56	67	61	57	61	63	74	70	78	77	71	67	65		65.6	
VIENNA	83	85	85	85	86	86	88	88	97	99	99	92	90	90	90		88.0	
	59	64	59	62	66	58	59	61	70	72	73	72	74	67	62		64.2	
															87			
LOWER SOUTHERN 03																		
MECHANICSVILLE 5 NE	80	80	83	79	82	82	84	87	93	94	93	91	83	85	86		84.1	
	56	59	56	63	60	55	57	59	67	67	75	75	69	65	61		63.0	
OXON HILL	80	82	84	85	80	84	85	86	88	94	96	96	93	86	88		86.4	
	59	57	59	62	62	59	60	62	68	69	74	74	69	66	63		63.7	
UPPER SOUTHERN 04																		
ANNAPOLIS POLICE BRKS	82	80	83		88	87	92	97	97		95	94	92	95	90		88.5	
	59	62	60		64	64	62	69	69		66	66	64	69	67		64.1	
BALTIMORE WSO ARPT	80	81	82	82	83	84	86	90	95	95	97	94	87	88	89		85.0	
	58	54	57	59	62	57	57	60	66	70	73	71	70	65	62		62.5	
BELTSVILLE	77	79	80	83	81	83	85	89	92	95	94	92	85	87			84.5	
	55	55	56	60	62	59	58	59	66	68	73	75	70	65	62		62.8	
DALECARLIA RESERVOIR	86	82	87	85	85	86	88	91	96	98	97	96	89	89	91		88.7	
	59	57	57	62	62	61	61	63	68	71	74	74	70	66	65		64.4	
GLENN DALE BELL STN	77	80	83	83	80	84	85	88	89	95	95	96	95	84	87		85.8	
	53	52	53	60	59	56	56	58	65	67	70	74	68	62	59		61.3	
LAUREL 3 W	80	81	84	81	83	85	88	91	95	97	97	92	85	90	90		85.9	
	59	59	59	61	64	61	62	65	70	71	76	69	69	67	68		63.8	
MD SCI CTR BALTIMORE	81	83	84	84	84	84	87	91		95	99	97	86				85.4	
	61	64	65	66	68	66	68	68		78	79	73	73				67.3	
UPPER MARLBORO 3 NNW	79	81	82	84	80	82	83	86	89	94	95	95	92	85	87		85.4	
	57	56	55	62	60	58	58	59	66	68	74	74	68	65	61		62.9	
BALTIMORE WSO ARPT																	M	
BALTIMORE WSO ARPT																	M	
BALTIMORE WSO ARPT																	M	
BALTIMORE WSO ARPT																	M	
NORTHERN EASTERN SHORE 05																		
CHESTERTOWN	82	84	86	87	84	86	90	91	98	97	98	95	89	91	93		87.2	
	57	55	54	62	59	55	58	59	68	70	73	71	68	64	62		61.4	
NORTHERN CENTRAL 06																		
ABERDEEN PHILLIPS FLD		80	82	82	82	82			93	92	94	94	91				84.8	
		55	55	60	62	57			68	68	73	76	72				M	
CATOCTIN MOUNTAIN PARK	72	75	78	76	79	80	83	84	87	88	89	86	80	81	84		80.0	
	58	56	56	57	60	60	62	63	69	69	70	70	64	63	66		61.4	
CLARKSVILLE 3 NNE	78	80	83	82	84	85	87	88	94	96	95	92	85	88	90		84.8	
	53	52	53	57	59	56	55	56	61	68	69	70	68	61	58		59.5	
CONOWINGO DAM	70	84	82	84	84	84	86	86	91	98	95	93	94	88	93		85.9	
	62	56	56	56	58	58	60	62	63	67	73	74	70	64	64		62.3	
DAMASCUS 3 SSW	77	77	80	79	80	83	84	90	90	91	91	88	80	83	84		81.1	
															***			
	56	52	53	57	61	58	57	61	62	69	73	69	64	62	61		60.8	
															***			
EMMITSBURG 2 SE	77	78	80	79	82	82	84	86	90	91	91	89	86	84	86		83.8	
	56	50	50	54	59	55	54	58	60	66	67	70	70	58	56		59.4	
FREDERICK POLICE BRKS	77	80	81	82	82	84	85	88	93	94	93	89	86	86	86		84.5	
	58	58	57	59	63	61	60	64	68	70	75	71	65	66	64		64.1	

DAILY TEMPERATURES (°F)

STATION	OB. TIME	MAX/MIN	DAY OF MONTH														
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
MILLERS 4 NE	18	OBS													***		
		MAX	83	83	76	79	87	83	71	73	84	87	89	86	78	65	74
		MIN	63	63	54	60	68	62	56	53	54	64	64	69	64	57	58
ROCKVILLE 1 NE	MID	MAX	87	81	78	85	91	87	73	77	86	91	92	89	77	77	74
		MIN	70	67	58	65	70	63	60	55	56	66	68	71	63	61	62
SMITHSBURG 2 NW	08	MAX	91	90	83	84	88	94	84	76	80	91	94	95	89	81	72
		MIN	58	57	48	57	65	67	55	52	54	61	66	70	67	60	60
		OBS															
APPALACHIAN MOUNTAIN CUMBERLAND 2 07	18	MAX	87	82	80	86	94	86	76	81	88	90	91	89	84	82	76
		MIN	58	62	52	57	67	55	51	55	56	61	66	67	64	61	56
		OBS		50													
CUMBERLAND POLICE BRK	17	MAX	85	83	77	83	92	83	73	79	85	87	90	90	80	77	77
		MIN	65	56	47	55	64	63	53	49	49	57	63	70	68	63	54
		OBS							92								
FROSTBURG 2	07	MAX	80	78	71	75	76	87	66	70	76	80	83	84	77	74	72
		MIN	60	58	46	50	54	54	51	49	50	55	60	64	66	61	55
		OBS															
HAGERSTOWN POLICE BRK	17	MAX	87	86	80	81	91	78	80	77	86	89	91	88	82	80	76
		MIN	63	59	51	61	60	58	56	52	54	58	60	68	70	61	60
		OBS			60						***	***				60	
SHARPSBURG 5 S	07	MAX	89	88	80	78	83	92	85	74	76	87	89	92	89	77	71
		MIN	62	58	47	57	61	66	57	51	54	55	64	65	66	62	62
		OBS				48											
ALLEGHENY PLATEAU OAKLAND 1 SE 08	17	MAX	78	74	75	84	84	83	67	75	80	82	83	81	75	72	68
		MIN	54	63	43	56	60	59	52	46	48	54	59	64	67	65	54
		OBS															
SAVAGE RIVER DAM	08	MAX	81	80	80	75	80	84	64	69	75	82	84	92	79	76	75
		MIN	59	59	47	51	61	64	52	50	50	54	60	63	68	64	56
		OBS					51										
DELAWARE NORTHERN NEWARK UNIVERSITY FARM 01	17	MAX	87	86	89	84	90	88	82	83	81	85	91	92	88	71	82
		MIN	62	59	55	56	59	66	54	55	55	59	61	63	59	58	57
		OBS						58									
WILMINGTON WSO ARPT	MID	MAX	85	83	75	76	85	85	70	73	79	83	88	89	74	64	73
		MIN	66	59	56	63	68	60	58	52	53	64	63	72	58	58	59
WILMINGTON PORTER RSVR	MID	MAX	85	82	73	76	86	85	68	73	79	83	89	87	75	62	71
		MIN	67	62	57	61	67	59	57	52	54	64	61	72	57	57	57
		OBS				70											
WILMINGTON WSO ARPT	08	MAX															
		MIN															
WILMINGTON WSO ARPT	17	MAX															
		MIN															
SOUTHERN DOVER 02	16	MAX	87	86	83	76	91	88	83	73	83	82	89	89	88	66	74
		MIN	71	67	59	63	68	71	59	54	52	60	64	72	64	60	59
		OBS															
GREENWOOD 2 NE	07	MAX	87	88	88	79	82	91	91	69	72	80	85	92	92	64	68
		MIN	68	66	58	61	64	69	60	49	51	54	56	63	64	61	60
		OBS															45
LEWES	17	MAX	88	88	84	77	90	90	81	68	82	81	92	93	91	68	71
		MIN	72	69	63	64	69	70	60	56	53	66	65	74	61	60	62
MILFORD 2 SE	07	MAX	88	89	88	79	80	92	90	69	73	80	84	92	93	66	69
		MIN	66	65	61	63	65	70	61	51	50	52	62	67	64	61	62

DAILY TEMPERATURES ( °F )

STATION	DAY OF MONTH																AVERAGE
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MILLERS 4 NE	76	76	79	77	81	82	84	86	91	91	90	87	82	85	86		81.7
	55	53	51	56	60	57	57	62	67	67	70	69	66	62	59		60.7
ROCKVILLE 1 NE	78	81	83	81	82	83	85	90	93	95	95	91	83	87	89		84.7
	61	57	57	61	62	59	61	60	68	69	69	71	70	65	61		63.5
SMITHSBURG 2 NW	75	78	82	84	87	88	88	90	94	96	100	95	94	86	91		87.3
	60	51	52	56	61	60	58	60	63	66	70	73	71	61	59		60.6
			60														
APPALACHIAN MOUNTAIN CUMBERLAND 2 07	76	79	83	83	85	86	86	91	91	95	94	89	85	87	89		85.7
	52	53	55	57	58	58	59	60	64	65	70	67	61	61	63		59.7
CUMBERLAND POLICE BRK	78	76	79	80	82	83	84	87	89	91	90	88	85	84	86		83.4
	54	51	51	52	57	56	55	57	61	62	67	71	66	59	58		58.4
FROSTBURG 2	60	69	71	75	78	80	80	80	85	84	86	85	81	81	79		77.4
	52	52	50	52	55	56	56	55	57	61	62	69	62	57	58		56.2
HAGERSTOWN POLICE BRK	77	78	79	79	81	82	88	89	91	92	88	89	82	83	85		83.8
													***				
	58	52	54	59	62	60	61	58	64	66	72	69	65	62	60		60.4
													***				
SHARPSBURG 5 S	74	78	79	82	81	84	84	86	89	92	94	92	91	83	86		84.2
	54	50	50	52	58	58	55	57	60	62	64	68	65	61	58		58.6
ALLEGHENY PLATEAU OAKLAND 1 SE 08	69	70	75	77	77	78	78	83	83	88	87	81	74	79	82		78.1
	55	47	45	49	50	52	50	50	54	55	64	69	61	56	57		55.3
SAVAGE RIVER DAM	63	71	71	76	77	79	80	86	92	93	89	86	90	84	86		80.0
												94					
	53	50	51	52	54	57	54	55	58	60	63	68	64	59	59		57.2
DELAWARE NORTHERN NEWARK UNIVERSITY FARM 01	80	81	83	81	79	84	86	88	94	93	96	94	92	91	87		86.3
	52	58	56	51	50	61	59	62	69	70	71	75	74	62	65		60.4
WILMINGTON WSO ARPT	78	79	79	79	80	80	83	85	92	89	93	90	84	87	86		81.5
	58	57	54	60	60	57	60	64	70	71	73	71	69	63	65		62.0
WILMINGTON PORTER RSVR	78	80	80	81	80	81	84	85	90	90	93	89	82	84	87		81.3
	57	57	56	60	59	59	61	64	70	71	73	70	69	67	66		62.1
WILMINGTON WSO ARPT																	M
WILMINGTON WSO ARPT																	M
																	M
																	M
SOUTHERN DOVER 02	78	80	80	78	81	82	83	86	92	92	94	92	88	85	87		83.9
	59	60	58	63	62	60	61	62	72	74	77	76	70	68	67		64.4
GREENWOOD 2 NE	75	81	82	82	83	81	82	87	87	94	95	94	91	85	87		83.8
	55	60	56	60	55	57	57	57	62	70	72	76	71	65	62		61.3
LEWES	82	82	78	80	81	80	84	85	94	91	96	93	89	84	86		84.3
	58	65	62	64	61	63	61	64	72	74	77	77	72	78	65		65.9
MILFORD 2 SE	74	82	81	81	83	83	83	86	88	95	94	95	92	85	88		84.1
	56	60	57	57	59	57	57	59	63	70	71	77	71	65	63		62.1

EVAPORATION AND WIND

STATION		DAY OF MONTH															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
<b>MARYLAND</b>																	
UPPER SOUTHERN	04																
BELTSVILLE		WIND	97	*	143	40	78	42	75	56	*	75	37	44	57	48	27
		EVAP	33	*	72	25	27	15	25	18	*	41	29	28	26	5	2
		MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UPPER MARLBORO 3 NNW		WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		EVAP	*	62	36	25	27	25	*	*	*	*	*	*	*	*	*
		MAX	95	96	91	91	91	98	97	80	87	90	96	97	92	81	71
		MIN	67	64	56	57	66	70	63	59	59	60	68	67	69	64	64

Evaporation: Is measured in hundreths of inches

Wind: Is measured in miles

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

EVAPORATION AND WIND

STATION	DAY OF MONTH																TOTAL OR AVERAGE
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
<b>MARYLAND</b>																	
UPPER SOUTHERN 04																	
BELTSVILLE	48	51	27	44	31	27	*	*	116	35	43	77	69	39	-		1475B
	22	22	23	29	18	21	*	*	87	26	28	25	25	13	-		7.09B
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		M
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		M
UPPER MARLBORO 3 NNW																	
	*	228	22	24	18	23	*	*	78	26	23	23	28	-	-		7.16B
	87	86	91	93	86	94	95	99	96	100	100	100	98	91	95		92.1
	59	61	61	62	65	64	64	63	65	70	73	73	70	69	67		64.6

Evaporation: Is measured in hundredths of inches

Wind: Is measured in miles

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

SNOWFALL AND SNOW ON GROUND ( INCHES )

STATION		DAY OF MONTH														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>MARYLAND</b> MARYLAND UPPER SOUTHERN 04 BALTIMORE WSO ARPT R	SNOWFALL SN ON GND WTR EQUIV						T									

Snowfall: Includes snow and ice. Values for NWS stations (J index note) are Mid - Mid (LST).  
 Snow on ground: Includes snow, sleet, ice and hail. Values for NWS stations (J index note) are observed at 12 UTC (GMT).  
 Water Equivalent: Given for NWS stations (J index note) only, when snow depth is 2 inches or more, and is measured at 18 UTC (GMT).



SNOWFALL AND SNOW ON GROUND ( INCHES )

STATION	DAY OF MONTH															
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
<b>MARYLAND</b> MARYLAND UPPER SOUTHERN 04 BALTIMORE WSO ARPT R																

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)	
<b>MARYLAND</b>											
ABERDEEN PHILLIPS FLD	0015	06	HARFORD	39 28	76 10W	57	16	16		C H	US ARMY ABERDEEN TEST CT
ANNAPOLIS POLICE BRKS	0193	04	ANNE ARUNDEL	39 0	76 30W	25	17	17		H	ANNAPOLIS POLICE BRKS
ASSATEAGUE	0335	01	WORCESTER	38 4	75 13W	10	07	07		H	NATIONAL RESOURCES MGMT
BALTIMORE WSO ARPT	R 0465	04	ANNE ARUNDEL	39 10	76 41W	148	MID	MID		C HJ	NATL WEATHER SERVICE
BELTSVILLE	0700	04	PRINCE GEORG	39 2	76 56W	145	08	08	08	C H	AGRI RESEARCH CTR EAST
CATOCTIN MOUNTAIN PARK	1530	06	FREDERICK	39 39	77 29W	1610	17	17		H	CATOCTIN MOUNTAIN PARK
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	CMREC - CLARKSVILLE
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	07		H	TIMOTHY B THOMAS
CUMBERLAND POLICE BRK	2285	07	ALLEGANY	39 38	78 50W	970	17	17		H	MARYLAND STATE POLICE
DALECARLIA RESERVOIR	2325	04	DISTRICT OF	38 56	77 7W	150	17	17		H	U S CORPS OF ENGINEERS
DAMASCUS 3 SSW	2336	06	MONTGOMERY	39 16	77 14W	697	22	22		H	ROBERT J LEFFLER
EMMITSBURG 2 SE	2906	06	FREDERICK	39 41	77 17W	416	17	17		H	LUCILLE K BEALE
FREDERICK POLICE BRKS	3348	06	FREDERICK	39 25	77 26W	380	17	17		H	MARYLAND STATE POLICE
FROSTBURG 2	3415	07	ALLEGANY	39 40	78 56W	2168	07	07		H	KENNETH L CLOSE
GLENN DALE BELL STN	3675	04	PRINCE GEORG	38 58	76 48W	150	08	16		H	USDA PLANT INTRODUCT STN
HAGERSTOWN POLICE BRK	3980	07	WASHINGTON	39 36	77 44W	560	17	17		H	MARYLAND STATE POLICE
LAUREL 3 W	5111	04	PRINCE GEORG	39 5	76 54W	400	MID	07		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	19	19		H	SANDRA J HASTINGS
MILLERS 4 NE	5934	06	CARROLL	39 43	76 48W	860	18	18		C H	BOBBY MILLER
NATIONAL ARBORETUM DC	6350	04	DISTRICT OF	38 55	76 58W	50	07	07		H	INACTIVE 11/28/2001
OAKLAND 1 SE	6620	08	GARRETT	39 24	79 24W	2420	17	17		H	BEA J CROSCO
OXON HILL	6800	03	PRINCE GEORG	38 48	77 0W	120	08	08		H	BRIAN SMITH
POTOMAC FILTER PLANT	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 EASTERN SHORE
ROCKVILLE 1 NE	7705	06	MONTGOMERY	39 6	77 9W	440	MID	17		H	WASHINGTON GAS & ELEC CO
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 POLICE BRKS	8003	01	WICOMICO	38 25	75 34W	40	17	17		H	MD STATE POLICE BARRACKS
SALISBURY FAA ARPT #	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 2 NW	8371	06	WASHINGTON	39 40	77 35W	670	08	08		H	SMITHSBURG W W T P
SNOW HILL 4 N	8380	01	WORCESTER	38 14	75 23W	30	17	17		H	CURTIS E SHOCKLEY
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
BALTIMORE WSO ARPT	R 9875	04	ANNE ARUNDEL	39 10	76 41W	148	08	MID		J	NATL WEATHER SERVICE
BALTIMORE WSO ARPT	R 9876	04	ANNE ARUNDEL	39 10	76 41W	148	17	MID		J	NATL WEATHER SERVICE
<b>DELAWARE</b>											
DOVER	2730	02	KENT	39 16	75 31W	30	16	16		H	DEPT OF TRANSPORTATION
GREENWOOD 2 NE	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
MILFORD 2 SE	5915	02	SUSSEX	38 54	75 26W	35	07	07		H	JACK HALL
NEWARK UNIVERSITY FARM	6410	01	NEW CASTLE	39 40	75 45W	90	17	17	17	C H	UNIV OF DEL AGRIC FARM
WILMINGTON WSO ARPT	R 9595	01	NEW CASTLE	39 40	75 36W	74	MID	MID		C HJ	NATIONAL WEATHER SERVICE
WILMINGTON PORTER RSVR	9605	01	NEW CASTLE	39 46	75 32W	270	MID	07		H	WILMINGTON WATER DEPT
WILMINGTON WSO ARPT	R 9875	01	NEW CASTLE	39 40	75 36W	74	08	MID		J	NATIONAL WEATHER SERVICE
WILMINGTON WSO ARPT	R 9876	01	NEW CASTLE	39 40	75 36W	74	17	MID		J	NATIONAL WEATHER SERVICE

## 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 1993, the averaging period is 1961 to 1990. 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.

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.

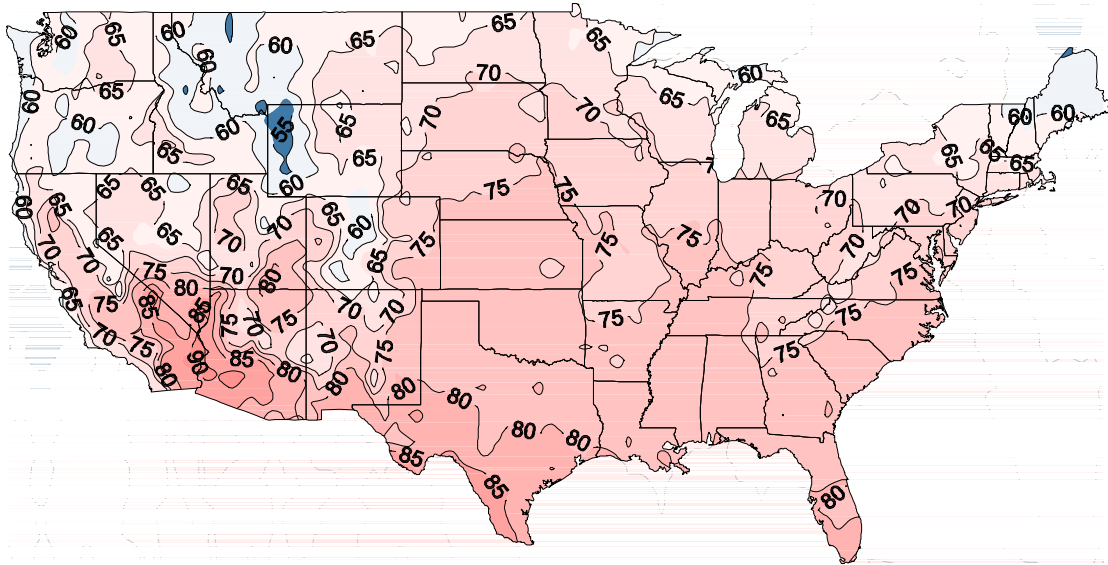
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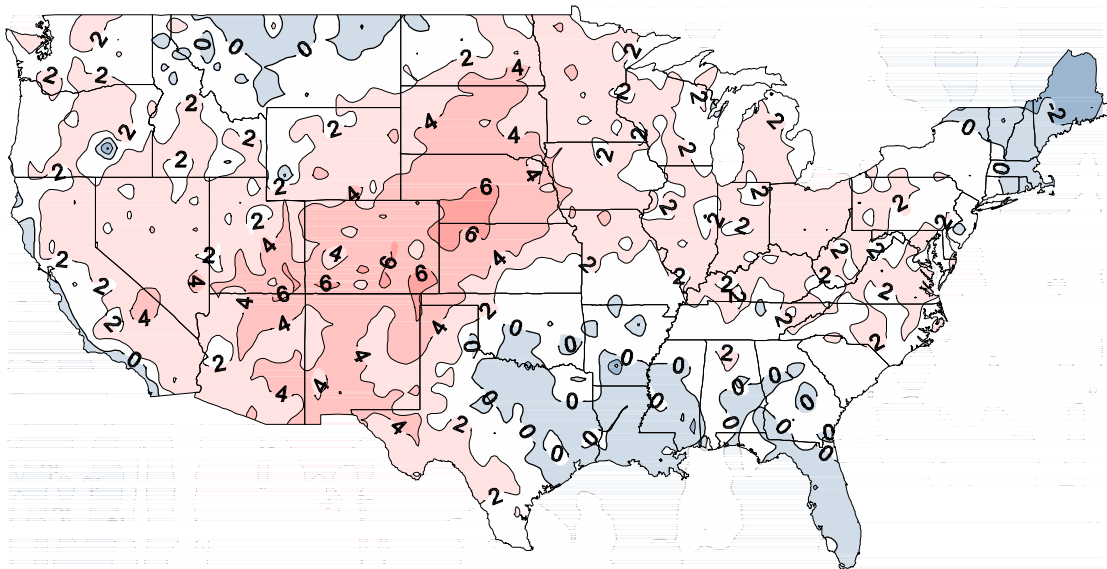
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Average Temperature (Degrees F)  
June 2002



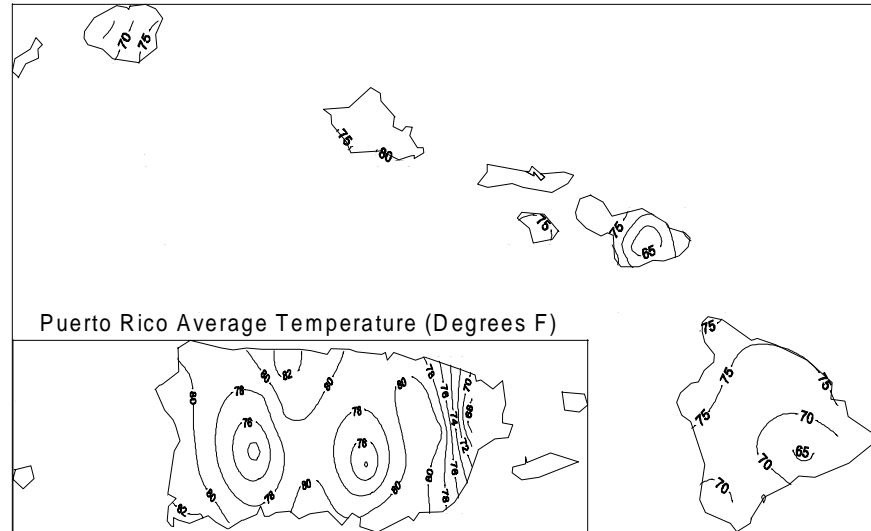
Departure of Average Temperature from Normal (Degrees F)  
June 2002



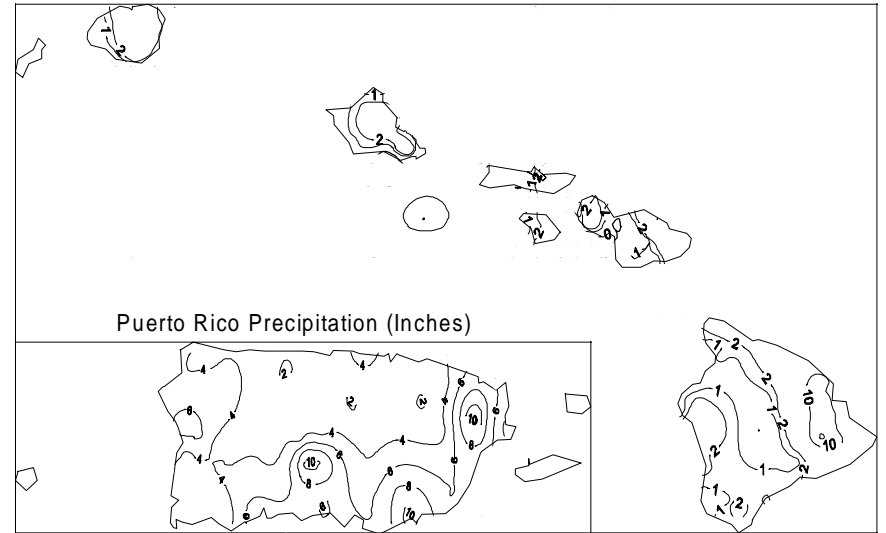
\*NOTE\* Contour maps are computer-generated and intended to show general temperature and precipitation patterns. Therefore, contours may not always account for individual datum points.



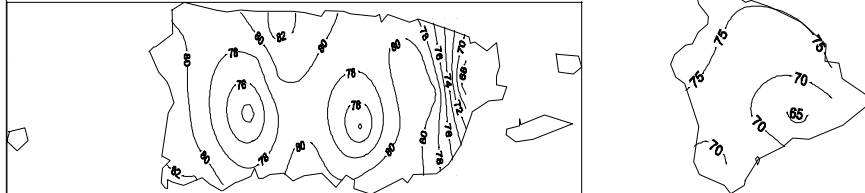
Hawaii Average Temperature (Degrees F)  
June 2002



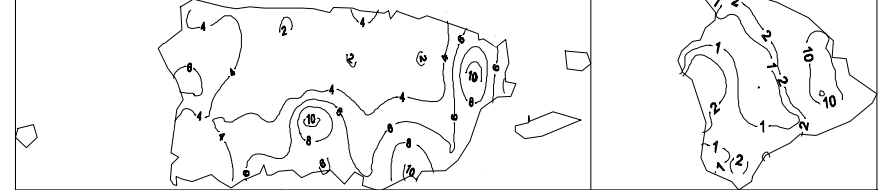
Hawaii Precipitation (Inches)  
June 2002



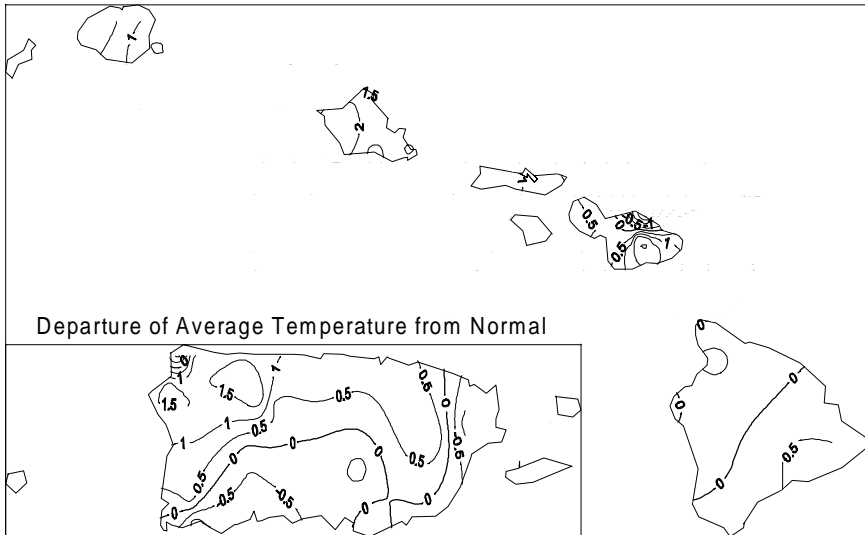
Puerto Rico Average Temperature (Degrees F)



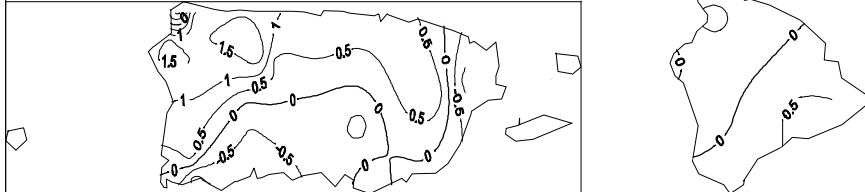
Puerto Rico Precipitation (Inches)



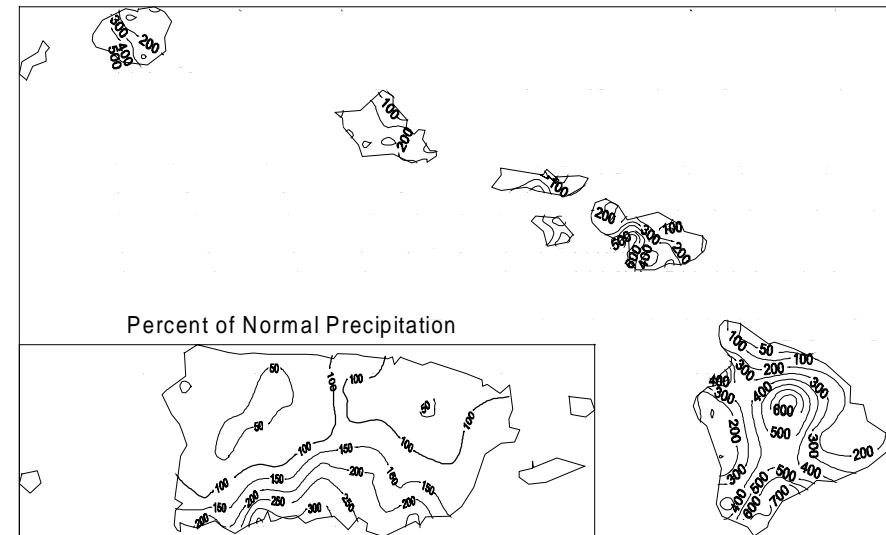
Departure of Average Temperature from Normal (Degrees F)  
June 2002



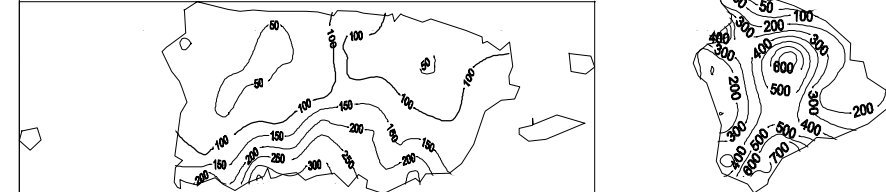
Departure of Average Temperature from Normal



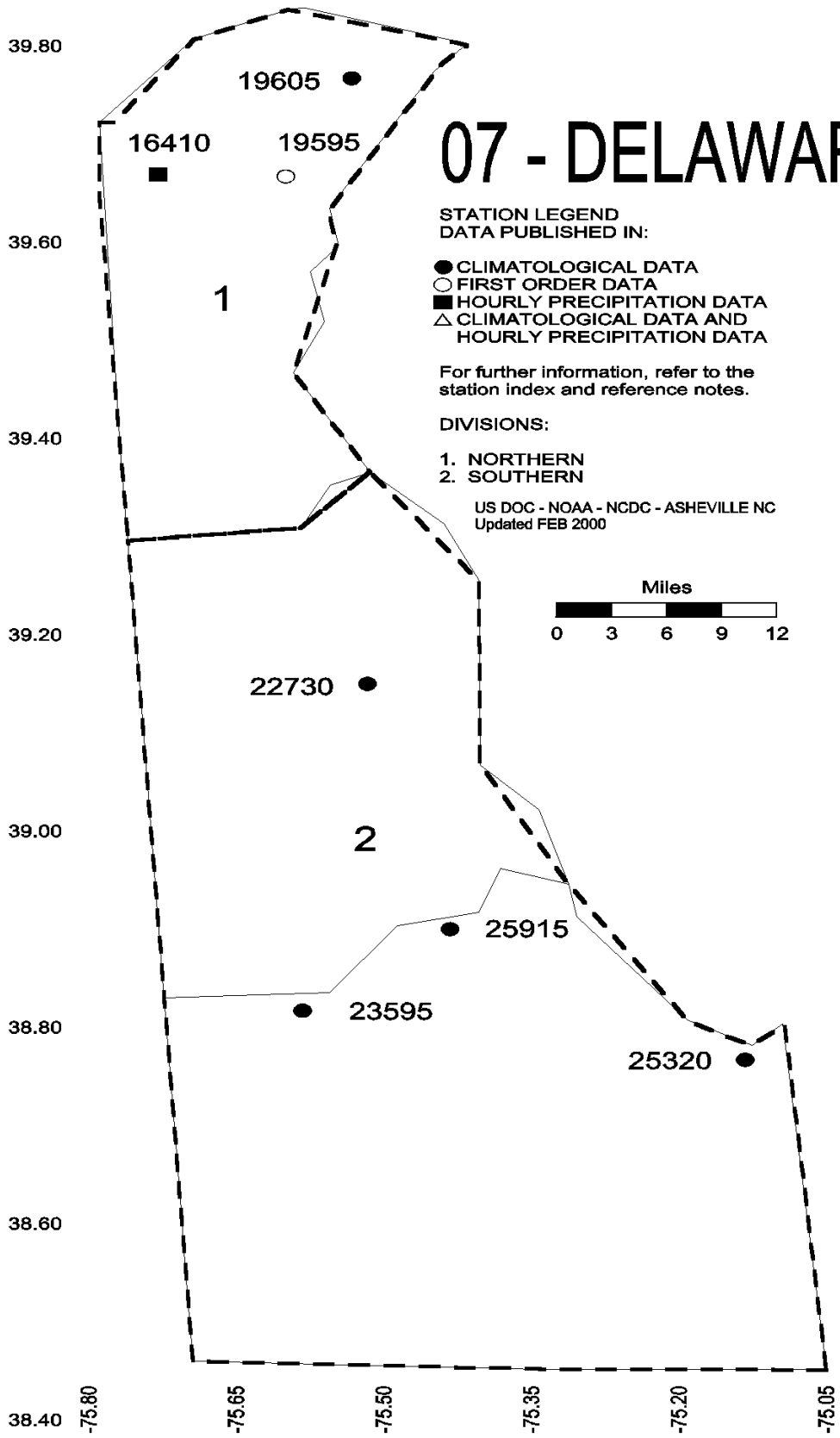
Hawaii Percent of Normal Precipitation  
June 2002



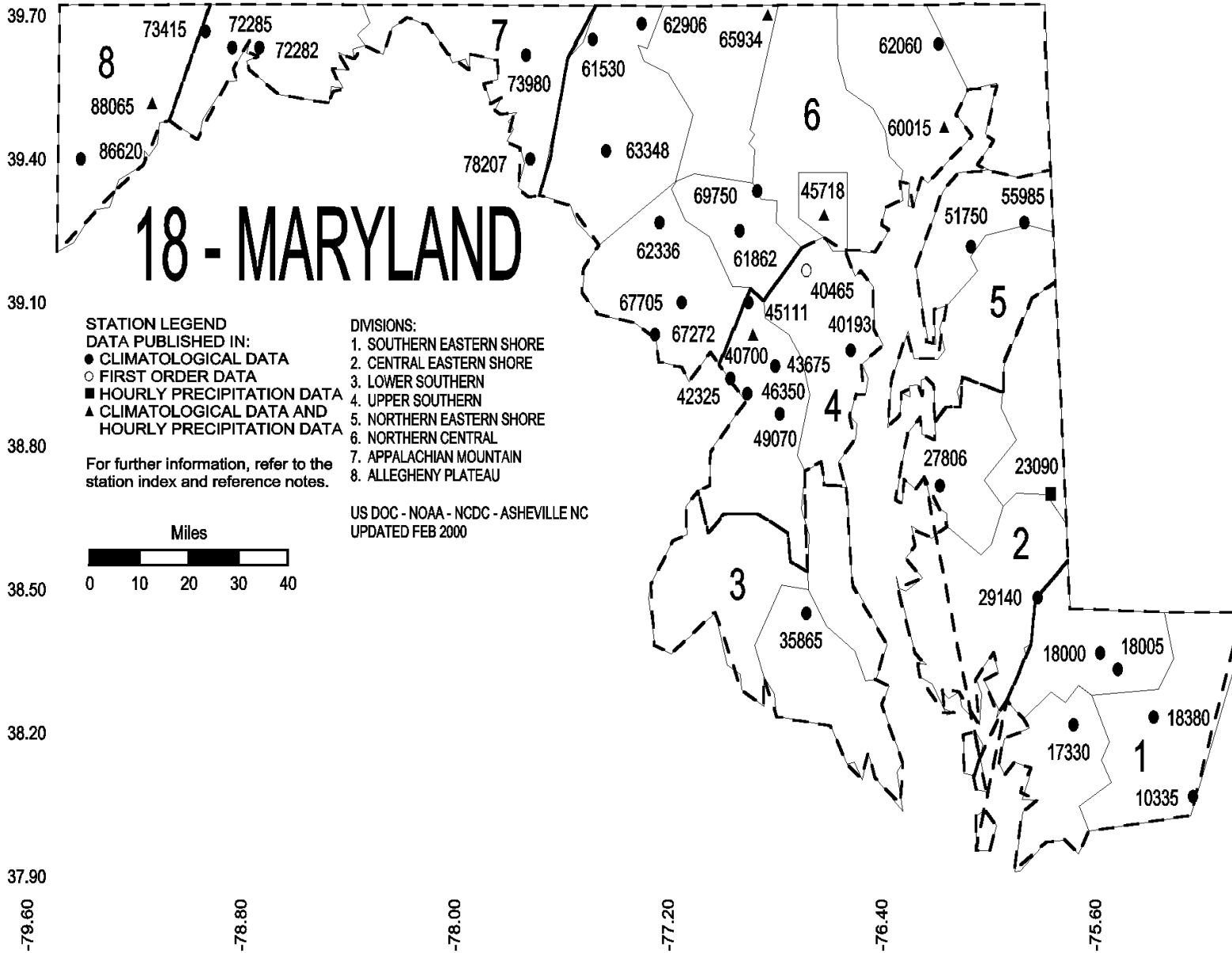
Percent of Normal Precipitation



# 07 - DELAWARE







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