

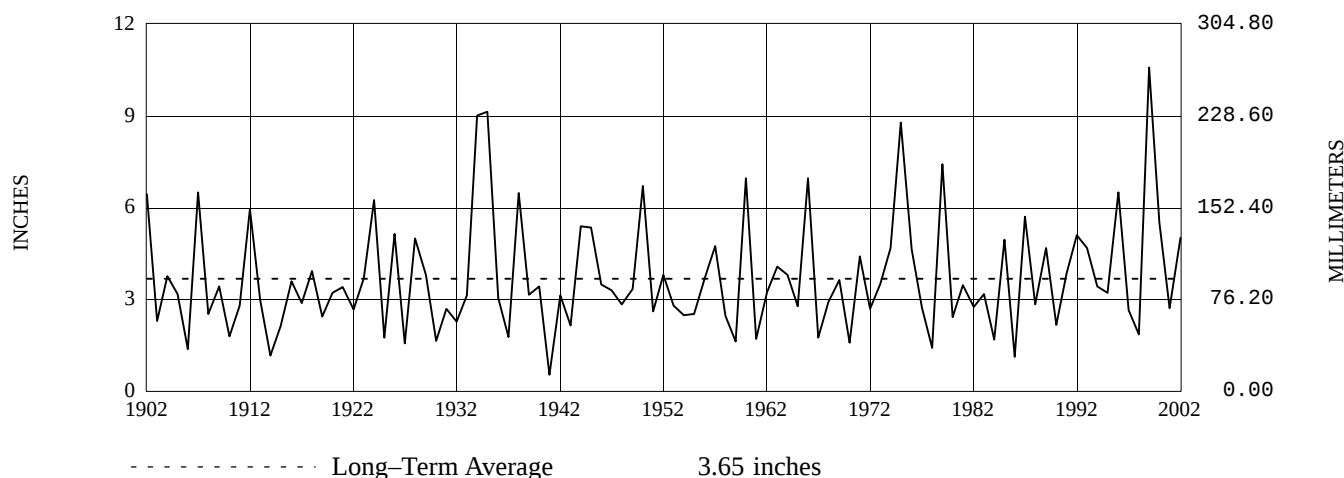
CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

SEPTEMBER 2002

VOLUME 106 NUMBER 09

ISSN 0145-0549



MARYLAND AND DELAWARE PRECIPITATION SEPTEMBER, 1902-2002

TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND

HIGHEST TEMPERATURE	99	SEPTEMBER 10	CONOWINGO DAM
LOWEST TEMPERATURE	36	SEPTEMBER 24	OAKLAND 1 SE
GREATEST TOTAL PRECIPITATION	15.66		SNOW HILL 4 N
LEAST TOTAL PRECIPITATION	1.86		MECHANICSVILLE 5 NE
GREATEST 1 DAY PRECIPITATION	14.31	SEPTEMBER 1	SNOW HILL 4 N

"I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites supervised by NOAA/National Weather Service and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801."

DIRECTOR
NATIONAL CLIMATIC DATA CENTER

noaa

National
Oceanic and
Atmospheric Administration

National
Environmental Satellite, Data
and Information Service

National
Climatic Data Center
Asheville, North Carolina

TEMPERATURE AND PRECIPITATION EXTREMES

DELAWARE

HIGHEST TEMPERATURE	92	SEPTEMBER 13	NEWARK UNIVERSITY FARM
LOWEST TEMPERATURE	48	SEPTEMBER 13	NEWARK UNIVERSITY FARM
GREATEST TOTAL PRECIPITATION	9.40		GREENWOOD 2 NE
LEAST TOTAL PRECIPITATION	3.42		WILMINGTON WSO ARPT R
GREATEST 1 DAY PRECIPITATION	5.10	SEPTEMBER 1	LEWES

This page intentionally left blank.

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
MARYLAND														
SOUTHERN EASTERN SHORE 01														
ASSATEAGUE	82.2	66.2	74.2	3.9	92	5	54	13	0	282	1	0	0	0
PRINCESS ANNE	M	M	M		91	5+	45	16			2	0	0	0
SALISBURY	82.1	63.1	72.6	2.6	90	6+	53	13	0	237	3	0	0	0
SALISBURY POLICE BRKS	83.0	62.8	72.9		90	5+	51	12	0	243	2	0	0	0
SALISBURY FAA ARPT	80.3	57.2	68.8	-.3	91	4	43	13	17	138	1	0	0	0
SNOW HILL 4 N	81.8	59.7	70.8	1.2	90	4	46	13	4	186	1	0	0	0
--DIVISIONAL DATA----->			71.9	2.4										
CENTRAL EASTERN SHORE 02														
ROYAL OAK 2 SSW	82.5	63.3	72.9	2.2	92	4	54	29	0	244	3	0	0	0
VIENNA	82.9	60.7	71.8	1.9	92	5+	51	13	0	211	2	0	0	0
--DIVISIONAL DATA----->			72.4	2.8										
LOWER SOUTHERN 03														
MECHANICSVILLE 5 NE	78.6	60.6	69.6	1.3	88	4	51	24	9	152	0	0	0	0
OXON HILL	81.7	60.8	71.3		92	5	52	24	4	199	2	0	0	0
SOLOMONS	84.4	65.4	74.9		94	4	53	13	0	305	3	0	0	0
--DIVISIONAL DATA----->			71.9	2.9										
UPPER SOUTHERN 04														
ANNAPOLIS POLICE BRKS	82.0	68.8	75.4	7.1	90	4	61	24+	0	319	1	0	0	0
BALTIMORE WSO ARPT R	80.3	58.7	69.5	2.1	90	10	48	24	10	154	1	0	0	0
BELTSVILLE	79.9	59.3	69.6	1.2	90	11	48	24	10	155	1	0	0	0
DALECARLIA RESERVOIR	83.2	60.5	71.9	2.6	91	10+	49	24	2	214	4	0	0	0
GLENN DALE BELL STN	80.6	56.6	68.6	1.9	91	5	44	24	22	137	1	0	0	0
LAUREL 3 W	81.6	61.2	71.4	2.3	93	10	51	24	4	203	3	0	0	0
MD SCI CTR BALTIMORE R	81.4	65.1	73.3		91	10	58	29+	2	258	3	0	0	0
UPPER MARLBORO 3 NNW	80.8	58.9	69.9	2.7	90	5	48	24	11	165	1	0	0	0
--DIVISIONAL DATA----->			71.2	2.7										
NORTHERN EASTERN SHORE 05														
CHESTERTOWN	83.2	56.4	69.8	1.0	93	4	47	29+	11	161	4	0	0	0
--DIVISIONAL DATA----->			69.8	1.2										
NORTHERN CENTRAL 06														
ABERDEEN PHILLIPS FLD	82.3M	M	M		89	11+	50	24+			0	0	0	0
CATOCTIN MOUNTAIN PARK	76.2	58.0	67.1	2.0	89	10	46	13	33	106	0	0	0	0
CLARKSVILLE 3 NNE	80.8	55.9	68.4	1.7	92	10	43	24	16	127	2	0	0	0
CONOWINGO DAM	84.8	58.8	71.8	4.1	99	10	51	14+	2	212	5	0	0	0
DAMASCUS 3 SSW	77.1	58.0	67.6		89	10	47	24	32	115	0	0	0	0
EMMITSBURG 2 SE	79.5	55.4	67.5	1.1	89	10	42	24	26	105	0	0	0	0
MILLERS 4 NE	78.6	57.8	68.2	2.6	90	10	44	24	18	121	1	0	0	0
ROCKVILLE 1 NE	79.9	59.8	69.9	3.4	90	9	48	24	10	162	1	0	0	0
SMITHSBURG 2 NW	82.8	54.8	68.8		98	11	44	25	18	138	4	0	0	0
--DIVISIONAL DATA----->			68.7	1.6										
APPALACHIAN MOUNTAIN 07														
CUMBERLAND 2	83.4	55.7	69.6	3.8	96	10	45	24+	22	167	8	0	0	0
CUMBERLAND POLICE BRK	80.7	55.4	68.1		92	11	42	24	25	125	3	0	0	0
FROSTBURG 2	73.8	52.4	63.1	2.8	87	11	44	25+	87	39	0	0	0	0
HAGERSTOWN POLICE BRK	81.2	57.5	69.4		92	11	45	24	17	157	2	0	0	0
SHARPSBURG 5 S	80.1	55.0	67.6		93	11	44	25+	30	115	3	0	0	0
--DIVISIONAL DATA----->			67.6	2.4										
ALLEGHENY PLATEAU 08														
OAKLAND 1 SE	76.9	50.8	63.9	3.1	87	10	36	24+	75	49	0	0	0	0
SAVAGE RIVER DAM	76.2	53.1	64.7	3.2	94	10	42	25+	67	65	2	0	0	0
--DIVISIONAL DATA----->			64.3	3.7										
DELAWARE														
NORTHERN 01														
NEWARK UNIVERSITY FARM	84.4	57.2	70.8	3.1	92	13+	48	13	2	183	3	0	0	0
WILMINGTON WSO ARPT R	79.5	59.1	69.3	1.6	90	9+	50	24	11	147	2	0	0	0
WILMINGTON PORTER RSVR	78.1	60.5	69.3	2.5	88	10+	54	29+	11	147	0	0	0	0
--DIVISIONAL DATA----->			69.8	2.1										
SOUTHERN 02														
DOVER	80.4	61.8	71.1	1.2	87	4	54	30+	0	190	0	0	0	0
GREENWOOD 2 NE	80.3	59.4	69.9	3.0	89	5	49	13	3	153	0	0	0	0
LEWES	79.9	64.6	72.3	2.1	89	5	53	12	0	224	0	0	0	0
MILFORD 2 SE	80.7	60.5	70.6	2.9	89	5	52	13	1	177	0	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
MARYLAND										
SOUTHERN EASTERN SHORE 01										
ASSATEAGUE	M 2.37		.95	16	.0	0		5	2	0
PRINCESS ANNE	M 2.45		1.36	2	.0	0		3	1	1
SALISBURY	5.32	1.33	3.31	1	.0	0		5	2	1
SALISBURY POLICE BRKS	7.22		4.40	1	.0	0		5	3	2
SALISBURY FAA ARPT	8.74	5.01	8.01	1	M	M		3	1	1
SNOW HILL 4 N	15.66	11.91	14.31	1	.0	0		6	1	1
--DIVISIONAL DATA----->	9.24	5.83			.0					
CENTRAL EASTERN SHORE 02										
ROYAL OAK 2 SSW	5.37	1.38	3.97	1	.0	0		5	2	1
VIENNA	3.95	.43	2.00	1	.0	0		3	2	2
--DIVISIONAL DATA----->	4.66	1.15			.0					
LOWER SOUTHERN 03										
MECHANICSVILLE 5 NE	1.86	-2.52	.72	1	.0	0		5	2	0
OXON HILL	2.34		.78	27	.0	0		4	2	0
SOLOMONS	M 3.64		1.48	16	.0	0		6	2	2
--DIVISIONAL DATA----->	2.10	-1.57			.0					
UPPER SOUTHERN 04										
ANNAPOLIS POLICE BRKS	6.94	2.69	2.71	1	.0	0		5	3	2
BALTIMORE WSO ARPT R	3.17	-.81	1.62	26	.0	0		3	2	1
BELTSVILLE	4.01	-.34	1.38	27	.0	0		5	3	2
DALECARLIA RESERVOIR	3.39	-.91	1.40	1	.0	0		6	2	1
GLENN DALE BELL STN	3.88	-.15			.0	0		3	1	0
LAUREL 3 W	4.03	-.50	1.68	1	.0	0		5	2	2
MD SCI CTR BALTIMORE R	3.14		1.74	26	M	M		3	2	1
UPPER MARLBORO 3 NNW	2.09	-1.91	.91	27	.0	0		3	2	0
--DIVISIONAL DATA----->	3.83	.25			.0					
NORTHERN EASTERN SHORE 05										
CHESTERTOWN	4.22	-.08	2.76	1	.0	0		4	2	2
--DIVISIONAL DATA----->	4.22	.57			.0					
NORTHERN CENTRAL 06										
ABERDEEN PHILLIPS FLD	3.49	-.99	1.54	27	.0	0		3	1	1
CATOCTIN MOUNTAIN PARK	6.28	1.37	1.77	23	.0	0		9	5	3
CLARKSVILLE 3 NNE					.0	0				
CONOWINGO DAM	3.82	-1.10	1.87	27	.0	0		5	3	1
DAMASCUS 3 SSW	3.82		1.51	26	.0	0		6	2	2
EMMITSBURG 2 SE	4.75	.49	2.33	27	.0	0		7	3	1
MILLERS 4 NE	4.61	.47	1.30	27	.0	0		7	3	2
ROCKVILLE 1 NE	3.62	-.47	1.49	26	.0	0		5	3	2
SMITHSBURG 2 NW	5.08		2.10	27	.0	0		4	3	2
--DIVISIONAL DATA----->	4.43	.72			.0					
APPALACHIAN MOUNTAIN 07										
CUMBERLAND 2	3.43	.25	1.44	27	.0	0		5	2	2
CUMBERLAND POLICE BRK	3.91		1.42	23	.0	0		6	3	2
FROSTBURG 2	3.57	-.05	1.51	27	.0	0		6	3	1
HAGERSTOWN POLICE BRK	M 5.94		2.02	28	.0	0		6	5	2
SHARPSBURG 5 S	4.58		1.79	27	.0	0		6	3	2
--DIVISIONAL DATA----->	3.87	.67			.0					
ALLEGHENY PLATEAU 08										
OAKLAND 1 SE	3.96	.40	1.16	27	.0	0		7	3	1
SAVAGE RIVER DAM	2.89	-.59	1.37	27	M	0		5	2	1
--DIVISIONAL DATA----->	3.43	.11			.0					
DELAWARE										
NORTHERN 01										
NEWARK UNIVERSITY FARM	M 2.36		1.74	27	.0	0		3	1	1
WILMINGTON WSO ARPT R	3.42	-.59	1.58	1	.0	M		3	2	2
WILMINGTON PORTER RSVR	3.63	-.32	1.45	26	.0	0		4	2	2
--DIVISIONAL DATA----->	3.53	-.09			.0					
SOUTHERN 02										
DOVER	5.81	1.25	2.03	1	.0	0		7	4	3
GREENWOOD 2 NE	9.40	5.29	5.00	1	.0	0		6	4	3
LEWES	7.82	4.05	5.10	1	.0	0		6	3	2
MILFORD 2 SE	8.93	4.85	4.05	2	.0	0		6	4	3

MONTHLY STATION AND DIVISION SUMMARY

SEPTEMBER 2002

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----->			71.0	2.3										

7

DAILY PRECIPITATION (INCHES)

STATION		TOTAL	DAY OF MONTH														
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
MARYLAND																	
SOUTHERN EASTERN SHORE 01																	
ASSATEAGUE	M	2.37	.55	-							.23						.01
PRINCESS ANNE	M	2.45	-	1.36										*	*		*
SALISBURY		5.32	3.31	.95							.06						.38
SALISBURY POLICE BRKS		7.22	4.40	1.50													.40
SALISBURY FAA ARPT		8.74	8.01								T					.01	.30
SNOW HILL 4 N		15.66	14.31	.31												.05	
CENTRAL EASTERN SHORE 02																	
ROYAL OAK 2 SSW		5.37	3.97	.07													.24
VIENNA		3.95	2.00	.39													
LOWER SOUTHERN 03																	
MECHANICSVILLE 5 NE		1.86	.72	.10							T					.02	.14
OXON HILL		2.34	.36	.74							T						.29
SOLOMONS	M	3.64	.32	1.04							T	.12			*		.08
UPPER SOUTHERN 04																	
ANNAPOLIS POLICE BRKS		6.94	2.71	.60	.10												.40
BALTIMORE WSO ARPT	R	3.17	.94		T											.05	.09
BELTSVILLE		4.01	1.33	.58													.06
DALECARLIA RESERVOIR		3.39	1.40	*													.14
GLENN DALE BELL STN		3.88		2.49													
LAUREL 3 W		4.03	1.68													.37	.30
MD SCI CTR BALTIMORE	R	3.14	.92													.02	.09
UPPER MARLBORO 3 NNW		2.09	.85	.07													
NORTHERN EASTERN SHORE 05																	
CHESTERTOWN		4.22	2.76	.01	T												T
NORTHERN CENTRAL 06																	
ABERDEEN PHILLIPS FLD		3.49	*	*	1.07	T										*	*
CATOCTIN MOUNTAIN PARK		6.28	.81	.03													.10
CLARKSVILLE 3 NNE	M		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONOWINGO DAM		3.82	.72	.23													
DAMASCUS 3 SSW		3.82	.47														.10
EMMITSBURG 2 SE		4.75	.22														
MILLERS 4 NE		4.61	1.26	T													.22
POTOMAC FILTER PLANT	M	2.64	.10														.12
ROCKVILLE 1 NE		3.62	1.16													T	.16
SMITHSBURG 2 NW		5.08	*	.39													
APPALACHIAN MOUNTAIN 07																	
CUMBERLAND 2		3.43		.10													.05
CUMBERLAND POLICE BRK		3.91	.05														.10
FROSTBURG 2		3.57	.03	.11	T												.01
HAGERSTOWN POLICE BRK	M	5.94	.53	-													T
SHARPSBURG 5 S		4.58	.08	.16													T
ALLEGHENY PLATEAU 08																	
OAKLAND 1 SE		3.96														.06	.20
SAVAGE RIVER DAM		2.89	.01	.02													T
DELAWARE																	
NORTHERN 01																	
NEWARK UNIVERSITY FARM	M	2.36	-	-	.15												.06
WILMINGTON WSO ARPT	R	3.42	1.58	T	T											.01	.08
WILMINGTON PORTER RSVR		3.63	1.38	.05													.18
SOUTHERN 02																	
DOVER		5.81	2.03	1.41	.01												.02
GREENWOOD 2 NE		9.40	5.00	2.01													.14
LEWES		7.82	5.10	.63													.45
MILFORD 2 SE		8.93	2.12	4.05											*		.17

DAILY PRECIPITATION (INCHES)

STATION	DAY OF MONTH															
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MARYLAND																
SOUTHERN EASTERN SHORE 01											.43	.02	.18			
ASSATEAGUE	.95										.18	.17				
PRINCESS ANNE	.74										.25	.05	.07			
SALISBURY	.24	.01									.36	.04				
SALISBURY POLICE BRKS	.52										.27	.01	.06			
SALISBURY FAA ARPT	.08										.20	.15	.20			
SNOW HILL 4 N	.44															
CENTRAL EASTERN SHORE 02																
ROYAL OAK 2 SSW	.52	T						T			.45	.12				
VIENNA	1.00										*	.56				
LOWER SOUTHERN 03																
MECHANICSVILLE 5 NE	.23							.01			.57	.07				
OXON HILL	.07							.06			T	.78	.04			
SOLOMONS	1.48					-					.35	.25	-			
UPPER SOUTHERN 04																
ANNAPOLIS POLICE BRKS	.08										1.70	*	1.35			
BALTIMORE WSO ARPT R	.01						T	T			1.62	.46	T			
BELTSVILLE	.28							.08				1.38	.30			
DALECARLIA RESERVOIR	.03							.12			.45	.88	.36		.01	
GLENN DALE BELL STN	.16						.03					.92			.28	
LAUREL 3 W											1.52	.16				
MD SCI CTR BALTIMORE R											1.74	.37				
UPPER MARLBORO 3 NNW	.20	.02										.91	.04			
NORTHERN EASTERN SHORE 05																
CHESTERTOWN	.04							T			1.16	.10	.15			
NORTHERN CENTRAL 06																
ABERDEEN PHILLIPS FLD	.11					*	*	.06			.32	1.54	.39			
CATOCTIN MOUNTAIN PARK	.06			.16		.20	.14	1.77			1.17	1.10	.74			
CLARKSVILLE 3 NNE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONOWINGO DAM	.23							.04			.02	1.87	.71			
DAMASCUS 3 SSW	T					.30	.35			T	1.51	1.00	.09			
EMMITSBURG 2 SE				.10		T	.25	.90	T		.45	2.33	.50			
MILLERS 4 NE	.08						.39	.41			.59	1.30	.36			
POTOMAC FILTER PLANT	-					.02	.26					1.58	.56			
ROCKVILLE 1 NE	.01						.02	.13			1.49	.65				
SMITHSBURG 2 NW	.07				.27		.05	1.57				2.10	.63			
APPALACHIAN MOUNTAIN 07																
CUMBERLAND 2	.21				.08		.08	1.00			.07	1.44	.40			
CUMBERLAND POLICE BRK				.25			.02	1.42			.70	1.22	.15			
FROSTBURG 2	.30			.04	.06		.02	.83			.10	1.51	.56			
HAGERSTOWN POLICE BRK	T			.28			.09	.92			.77	1.33	2.02			
SHARPSBURG 5 S	.13				.08		.54	1.33			.04	1.79	.43			
ALLEGHENY PLATEAU 08																
OAKLAND 1 SE	.07		T	.70		.09	.29	.42			.66	1.16	.31			
SAVAGE RIVER DAM	.34			T			.04	.45			.10	1.37	.56			
DELAWARE																
NORTHERN 01																
NEWARK UNIVERSITY FARM	.07										.02	1.74	.32			
WILMINGTON WSO ARPT R	.01									T	1.43	.30	.01			
WILMINGTON PORTER RSVR	.02										1.45	.49	.06			
SOUTHERN 02																
DOVER	1.02							.18			.32	.69	.13			
GREENWOOD 2 NE	1.27	.30					T				T	.62	.06			
LEWES	1.34										.20	.10				
MILFORD 2 SE	1.55	.10										.82	.12			

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
MARYLAND																	
SOUTHERN EASTERN SHORE 01																	
ASSATEAGUE	07	MAX OBS MIN	83 70	77 66	81 67	83 72	92 63	80 64	81 61	81 65	81 65	84 73	84 74	87 55	81 54	81 69	84 72
PRINCESS ANNE	17	MAX MIN			83 59	91 69	91 60				87 49	88 68	85 69	81 48			
SALISBURY	17	MAX MIN	77 64	77 64	83 63	90 71	90 65	90 63	80 55	82 59	86 60	86 71	83 68	83 55	81 53	82 64	80 71
SALISBURY POLICE BRKS	17	MAX OBS MIN	76 63	76 64	86 63	90 73	90 64	84 62	80 56	82 58	85 59	87 71	86 73	79 51	83 53	85 64	82 73
SALISBURY FAA ARPT	MID	MAX MIN	76 69	79 68	88 68	91 62	83 59	77 52	79 48	81 51	85 56	85 70	84 60	75 44	80 43	81 57	80 71
SNOW HILL 4 N	17	MAX MIN	78 69	78 64	84 61	90 69	89 61	83 58	80 50	82 55	85 54	85 69	84 69	79 47	82 46	80 55	84 72
CENTRAL EASTERN SHORE 02																	
ROYAL OAK 2 SSW	18	MAX MIN	72 64	78 65	86 61	92 73	88 65	81 60	84 55	83 59	90 58	91 60	87 69	78 62	82 55	82 68	82 73
VIENNA	18	MAX OBS MIN	75 67	77 65	82 60	92 73	92 64	85 60	85 54	85 58	89 58	88 66	86 69	80 55	81 51	78 53	77 70
LOWER SOUTHERN 03																	
MECHANICSVILLE 5 NE	19	MAX MIN	70 63	73 63	82 60	88 71	82 59	76 58	78 55	79 57	83 55	85 62	81 66	75 53	79 54	81 60	77 70
OXON HILL	08	MAX OBS MIN	75 60	66 60	76 62	89 63	92 64	86 63	80 59	82 59	86 57	89 58	91 69	81 58	80 53	85 55	83 67
SOLOMONS	16	MAX OBS MIN	77 65	79 64	89 63	94 75	93 66	84 65	83 62	83 65	89 64	89 69	86 70	83 60	85 53	84 63	85 68
UPPER SOUTHERN 04																	
ANNAPOLIS POLICE BRKS	17	MAX OBS MIN	75 62	77 71	82 68	90 78	89 72	80 78	80 65	80 72	88 66	89 66	89 78	79 70	81 61	80 74	80 78
BALTIMORE WSO ARPT	MID	MAX MIN	66 60	78 60	87 58	89 68	83 60	78 59	81 55	82 55	88 54	90 60	80 60	78 51	83 50	81 48	77 60
BELTSVILLE	08	MAX MIN	76 60	66 60	74 59	86 62	88 65	82 61	79 56	81 58	84 54	89 59	90 65	77 52	77 50	82 55	81 61
DALECARLIA RESERVOIR	17	MAX OBS MIN	75 59	78 63	88 62	91 69	82 65	82 60	85 57	85 57	91 56	91 62	85 60	79 52	82 52	83 64	82 67
GLENN DALE BELL STN	08	MAX MIN	75 59	64 59	75 57	89 60	91 57	84 55	80 54	83 55	84 52	88 57	89 63	79 50	79 48	86 51	82 60
LAUREL 3 W	MID	MAX MIN	66 59	77 61	88 61	90 70	85 64	81 61	83 58	84 60	91 59	93 66	82 65	79 54	84 58	79 63	77 69
MD SCI CTR BALTIMORE	MID	MAX MIN	67 61	79 64	87 64	90 75	82 69	80 63	83 64	83 64	90 62	91 71	80 67	78 61	86 60	83 65	79 72
UPPER MARLBORO 3 NNW	08	MAX MIN OBS	75 60	65 60	75 58	87 61	90 62	84 57	79 55	82 57	83 54	88 57	89 67	79 53	78 50	85 55	84 65
NORTHERN EASTERN SHORE 05																	
CHESTERTOWN	23	MAX MIN OBS	67 56	79 59	87 57	93 67	87 59	82 53	84 52	86 52	90 52	92 59	84 62	81 53	85 51	82 58	80 67
NORTHERN CENTRAL 06																	
ABERDEEN PHILLIPS FLD	16	MAX MIN			83 60	89 71	89 58	81 60			88 53	89 63	89 73	79 50	82 50		
CATOCTIN MOUNTAIN PARK	17	MAX MIN OBS	69 55	67 57	84 58	83 68	79 60	76 55	78 59	80 58	87 49	89 66	82 65	75 51	82 46	78 61	78 67
CLARKSVILLE 3 NNE	17	MAX OBS MIN	74 64	74 64	88 64	88 64	83 56	80 54	82 52	84 51	91 49	92 57	78 63	79 50	84 45	81 54	77 71
CONOWINGO DAM	07	MAX MIN	82 60	70 56	77 57	87 60	94 62	87 60	88 55	87 55	89 56	99 54	92 64	83 60	83 51	87 51	81 62
DAMASCUS 3 SSW	22	OBS MAX MIN		40 72	40 85												
			62 57	72 59	85 57	86 67	80 56	76 57	80 56	80 56	87 60	89 61	75 53	75 53	82 57	79 61	74 69

DAILY TEMPERATURES (°F)

STATION		DAY OF MONTH																AVERAGE
		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MARYLAND SOUTHERN EASTERN SHORE ASSATEAGUE 01																		
	81	83	83	83	85	85	84	83	82	79	73	83	82	79	81		82.2	
	69	61	62	61	71	70	71	67	64	64	68	70	66	67	64		66.2	
	83	82	83	84	84			87	80	79	76	86			87		M	
	45	60	56	53	56			56	55	58	62	65			49		M	
	80	82	82	82	83	86	85	81	81	77	71	86	83	77	77		82.1	
	71	64	61	60	60	67	63	71	58	59	65	67	68	59	55		63.1	
	82	81	82	83	86	88	88	88	78	77	76	88	85	77	79		83.0	
	72	64	61	60	62	68	62	62	59	59	64	64	68	58	55		62.8	
	79	80	82	80	82	86	84	76	77	76	69	85	79	74	76		80.3	
SOUTHERN EASTERN SHORE ROYAL OAK 2 SSW 02	67	55	54	50	53	57	53	63	52	52	65	69	53	49	46		57.2	
	80	81	83	81	84	86	80	80	81	78	72	86	84	78	78		81.8	
	69	62	56	53	56	59	56	66	57	55	65	67	67	55	50		59.7	
	82	82	84	84	85	86	87	81	77	79	71	85	82	75	78		82.5	
	72	63	62	64	67	71	67	71	56	56	63	63	67	54	55		63.3	
	84	84	85	80	84	85	87	87	81	77	74	85	84	78	79		82.9	
	69	64	60	53	60	59	57	67	57	57	63	56	66	56	54		60.7	
	54		62					55			***	***						
	81	79	81	79	82	84	84	74	75	73	68	82	80	73	73		78.6	
	69	62	59	61	62	66	64	66	51	53	64	63	65	53	53		60.6	
OXON HILL MECHANICSVILLE 5 NE 03	79	85	83	84	82	85	87	89	77	79	76	65	83	78	78		81.7	
	70	63	61	64	63	66	67	64	52	54	58	60	61	56	58		60.8	
	82	87	87	82	86	90	88	78	82	78	77	83	85	85	79		84.4	
	74	65	66	66	69	66	69	69	59	62	64	65	69	60	66		65.4	
	63					***						***	***					
	83	82	83	81	82	85	84	83	80	79	80	83	80	79	76		82.0	
	70	65	64	61	74	67	70	68	61	62	70	69	71	64	70		68.8	
				63	83				77	78	56	***	***					
	85	83	82	81	83	88	85	76	79	75	67	81	77	73	74		80.3	
	70	58	58	61	66	65	68	56	48	51	59	59	58	52	54		58.7	
BELTSVILLE DALECARLIA RESERVOIR 04	77	85	82	82	81	84	86	84	74	77	75	65	82	76	74		79.9	
	70	61	59	62	64	64	68	64	48	53	59	59	60	55	56		59.3	
	87	84	87	83	86	90	89	79	79	77	72	84	84	78	77		83.2	
	67	60	60	66	67	66	70	65	49	51	61	59	58	54	56		60.5	
	78	86	83	84	82	85	87	86	75	77	74	64	80	75	74		80.6	
	70	58	57	60	63	62	65	65	44	45	52	59	59	50	51		56.6	
	86	83	84	82	85	88	84	78	77	79	70	82	80	77	75		81.6	
	68	63	62	64	65	65	67	58	51	58	58	57	60	54	59		61.2	
	87	83	85	81	84	89	88	75	78	78	68	80	77	75	77		81.4	
	71	69	67	70	69	68	71	63	58	62	60	59	65	58	61		65.1	
UPPER MARLBORO 3 NNW NORTHERN EASTERN SHORE CHESTERTOWN 05	80	86	84	83	81	85	88	86	75	79	76	64	83	77	75		80.8	
	70	61	58	61	64	65	67	66	48	50	61	60	62	51	52		58.9	
											53							
	88	87	86	85	87	92	89	79	84	76	66	84	75	79	81		83.2	
	66	58	54	57	61	63	64	54	47	49	56	55	55	47	49		56.4	
											35							
	84	84	83	81	84			74	78	78	75	82	82		75		82.3	
	70	62	59	62	67			68	50	55	61	60			54		M	
	79	78	78	75	81	75	73	72	71	72	64	72	72	69	69		76.2	
	64	59	59	62	61	62	66	55	52	49	54	53	64	50	55		58.0	
CLARKSVILLE 3 NNE CONOWINGO DAM DAMASCUS 3 SSW 06																		
	86	83	83	81	85	87	84	75	78	76	63	80	77	77	75		80.8	
	64	58	56	61	62	62	67	49	43	49	58	57	54	48	52		55.9	
	84	85	90	87	86	88	90	88	78	84	77	78	79	81	82		84.8	
	70	66	60	62	60	66	64	69	53	54	56	54	59	54	54		58.8	
	80	80	80	78	82	81	80	70	73	72	63	77	72	71	71		77.1	
	66	58	57	64	63	66	68	54	47	52	56	54	54	48	54		58.0	

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
EMMITSBURG 2 SE			17	OBS MAX OBS MIN	75 58	73 61	86 54 54	86 55	87 53	80 49	82 49	83 46	88 55	89 58	88 51	76 43	83 55	82 71	59 81
MILLERS 4 NE			18	OBS MAX MIN	74 56	72 60	85 54 69	83 58	78 55	81 53	82 51	89 52	90 60	87 66	76 55	82 52	79 59	75 69	
ROCKVILLE 1 NE			MID	OBS MAX OBS MIN OBS	65 59	72 61	88 57 69	87 62	81 59	83 55	83 55	89 54	90 63	89 63	77 63	78 54	85 49	79 64	77 71
SMITHSBURG 2 NW			08	OBS MAX MIN OBS	82 54	67 60	76 56 58	92 54	90 53	82 52	84 53	87 53	88 50	94 50	98 60	80 47	83 47	88 47	86 60
APPALACHIAN MOUNTAIN CUMBERLAND 2			07	18	MAX OBS MIN OBS	75 60	79 61	93 61 61	90 67 55	88 53	85 53	87 52	90 52	93 53	96 59	92 50	81 45	90 45	87 55
CUMBERLAND POLICE BRK			17	OBS MAX OBS MIN OBS	71 59	75 60	90 59 66	89 53	83 53	82 50	84 51	86 50	89 50	91 50	92 59	77 48	86 43	87 53	81 65
FROSTBURG 2			07	MAX MIN	74 53	60 56	71 57	84 57	78 52	77 52	78 53	81 52	83 51	85 54	87 45	68 44	73 44	83 46	77 57
HAGERSTOWN POLICE BRK			17	MAX MIN OBS	75 55	71 55	87 56 ***	88 68	89 56	80 59	82 54	84 55	89 50	91 59	92 61	78 52	85 47	85 60	82 69
SHARPSBURG 5 S			07	MAX MIN OBS	79 55	64 60	71 56 56	90 64 54	89 53	83 53	81 52	84 52	85 50	90 50	93 58	77 48	79 47	86 47	85 59
ALLEGHENY PLATEAU OAKLAND 1 SE			08	17	MAX MIN	70 58	80 52	84 55	83 67	78 44	80 49	80 48	82 49	84 42	87 43	84 55	72 37	81 36	79 48
SAVAGE RIVER DAM			08	MAX OBS MIN OBS	73 55	67 58	70 60 60	86 52	83 53	80 92 53	80 50	80 50	83 49	94 50	91 101 51	72 88 47	74 88 43	82 51	79 63 54
DELAWARE NORTHERN NEWARK UNIVERSITY FARM			01	17	MAX OBS MIN OBS	76 68 51	84 60	86 63	89 64	87 57	89 54	89 53	85 52	87 52	92 58	89 65	79 51	92 48	86 63
WILMINGTON WSO ARPT			MID	MAX MIN	66 59	75 62	84 63	90 66	80 62	78 57	81 55	82 54	90 56	89 63	80 59	76 54	82 52	82 63	80 71
WILMINGTON PORTER RSVR			MID	MAX MIN	65 58	71 61	82 62	87 71	78 65	78 59	81 57	82 57	88 58	88 66	79 62	73 54	81 57	81 62	79 70
SOUTHERN DOVER			02	16	MAX OBS MIN OBS	74 61	70 62	84 62	87 72	86 62	80 60	78 58	80 57	84 58	86 64	84 73	76 57	82 54	80 73
GREENWOOD 2 NE			07	MAX MIN OBS	74 63	73 63	74 62	84 71	89 59	83 58	80 52	79 54	81 55	85 57	83 69	81 51	77 49	81 50	81 72
LEWES			17	MAX MIN OBS	72 68	73 66	84 66	87 72	89 71	79 67	78 57	78 57	82 57	82 71	82 70	76 53	83 56	82 64	79 72
MILFORD 2 SE			07	MAX OBS MIN OBS	76 60	72 64	73 63	84 71 63	89 62	83 61	79 53	80 55	81 56	86 58	84 70	81 54	76 52	81 58 ***	82 71 55

DAILY TEMPERATURES (°F)

STATION		DAY OF MONTH																AVERAGE
		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
EMMITSBURG 2 SE		83	82	81	81	84	83	78 69	71	74	73	69	68	74	74	70		79.5
		66	53	54	54	54	63	67 54	59	42	51	57	56	63	47	52		55.4
MILLERS 4 NE		82	80	80	78	81	77	79	75	74	72	67	75	75	72	72		78.6
		66	57	55	61	62	65	66	60	44	52	57	55	62	49	54		57.8
ROCKVILLE 1 NE		83	82	82	81	84	88	84	72	77	76	65	82	75	74	77		79.9
		68	62	60	66	67	67	69	56	48	54	58	57	59	53	54		59.8
SMITHSBURG 2 NW		78	86	87	87	83	89	82	81	76	80	77	64	80	78	78		82.8
		68	55	56	62 54	58	64	70	59	45	44	51	57	59	47	48		54.8
APPALACHIAN MOUNTAIN CUMBERLAND 2 07		84	86	86	82	90	85	80	75	78	74	69	79 67	72	74	80		83.4
		58	55	55	63	66	67	65 55	45	45	51	55	56	49	49	56		55.7
CUMBERLAND POLICE BRK		79	83	82	80	87	85	78	77	73	73	68	77 65	69	69	77		80.7
		64	56	53	65	62	65	67	53	42	48	53	55	59	47	53		55.4
FROSTBURG 2		69	73	78	79	74	83	72	74	66	71	65	53	67	63	67		73.8
		63	54	53	53	61	61	63	51	44	44	50	51	52	45	47		52.4
HAGERSTOWN POLICE BRK		82	83	83	85	86	85	77	78	75	75	69	77	77	73	74		81.2
		67	57	54	66	64	69	68	57	45	52	52	52	63 52	47	57		57.5
SHARPSBURG 5 S		76	84	84	86	82	87	79	77	72	77	74	62	78	75	75		80.1
		66	56	54	55	66	66	70	58	44	44	50	57	57	50	53		55.0
ALLEGHENY PLATEAU 08 OAKLAND 1 SE		73	75	79	80	82	79	78	66	71	70	62	81	69	71	77		76.9
		63	51	50	61	57	59	63	47	36	45	52	52	55	42	46		50.8
SAVAGE RIVER DAM		73	76	78	84	76	88	75	75	70	73	66	56	69	68	66		76.2
***		63	55	53	53	63	63	64	52	42	42	47	53	54	48	48		53.1
DELAWARE NORTHERN 01 NEWARK UNIVERSITY FARM		86	83	81	82	89	86	87	83	80	77	76	82	81	77	82		84.4
		64	62	57	55	65	58	59	64	51	51	53	58	60 50	54	56		57.2
WILMINGTON WSO ARPT		84	82	81	78	81	85	83	75	78	75	66	80	75	73	73		79.5
		65	60	56	59	64	67	69	56	50	53	58	58	58	52	53		59.1
WILMINGTON PORTER RSVR		82	78	78	79	81	84	82	72	75	72	66	78	78	71	73		78.1
		66	62	61	60	62	62	67	62	54	56	57	57	60	54	55		60.5
SOUTHERN 02 DOVER		82	82	81	79	83	86	86	83	78 86	75	73	82	80	75	75 83		80.4
		70	62	60	60	60	70	62	67	56	58	60	60	64	59	54		61.8
GREENWOOD 2 NE		81	81	82	82	82	83	86	85	75	80	73	72	86	79	76		80.3
		71	61	58	57	57	61	62	63	54	54	58	64	69	55	52		59.4
LEWES		81	82	78	78	82	85	84	84	76	75	70	84	82	75	74		79.9
		70	69	62	60	62	69	64	70	65	61	66	66	67	64	56		64.6
MILFORD 2 SE		81	82	83	82	83	82 ***	86	86	77	80	76	74	86	79	77		80.7
		70	63	58	58	57	62 ***	61	70	58	56	57	64	65	56	53		60.5

EVAPORATION AND WIND

STATION		DAY OF MONTH														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
MARYLAND UPPER SOUTHERN 04 BELTSVILLE	WIND	-	84	37	29	58	56	*	*	80	24	29	*	142	*	*
	EVAP	-	4	12	17	31	26	*	*	56	21	24	*	54	*	*
	MAX	74	65	78	90	90	88	-	-	88	90	93	-	83	-	-
	MIN	59	60	62	62	63	62	-	-	58	59	64	-	52	-	-
UPPER MARLBORO 3 NNW	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EVAP	-	-	-	17	28	21	*	*	61	-	-	35	*	*	*
	MAX	76	67	79	91	92	90	89	88	90	89	95	84	85	85	83
	MIN	64	63	64	65	65	65	63	63	62	62	67	55	55	56	62

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

SEPTEMBER 2002

STATION	DAY OF MONTH																	TOTAL OR AVERAGE
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
MARYLAND UPPER SOUTHERN 04 BELTSVILLE UPPER MARLBORO 3 NNW	192	27	47	*	*	86	*	117	*	99	38	53	-	-	-		1382B	
	34	13	34	*	*	32	*	30	*	38	13	-	-	-	-		5.27B	
	84	88	87	-	-	86	-	89	-	81	74	64	-	-	-		M	
	52	65	63	-	-	64	-	65	-	60	55	59	-	-	-		M	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		M	
	55	12	15	15	14	*	*	57	15	15	10	1	*	*	38		4.91B	
	80	89	88	89	85	87	89	89	80	84	75	66	79	85	84		84.4	
	70	66	63	63	64	65	66	67	53	53	56	61	61	57	57		61.8	

Evaporation: Is measured in hundreths of inches

Wind: Is measured in miles

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

STATION INDEX

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER
							LOCAL STD TIME				
							TEMP	PRECIP	EVAP	SPECIAL SEE (NOTES)	
MARYLAND											
MARYLAND											
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	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	USDA AGRI RESEARCH CTR W
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	INACTIVE 07/01/2002
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	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
SOLOMONS	8405	03	CALVERT	38 19	76 27W	12	16	16		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
DELAWARE											
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	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

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."

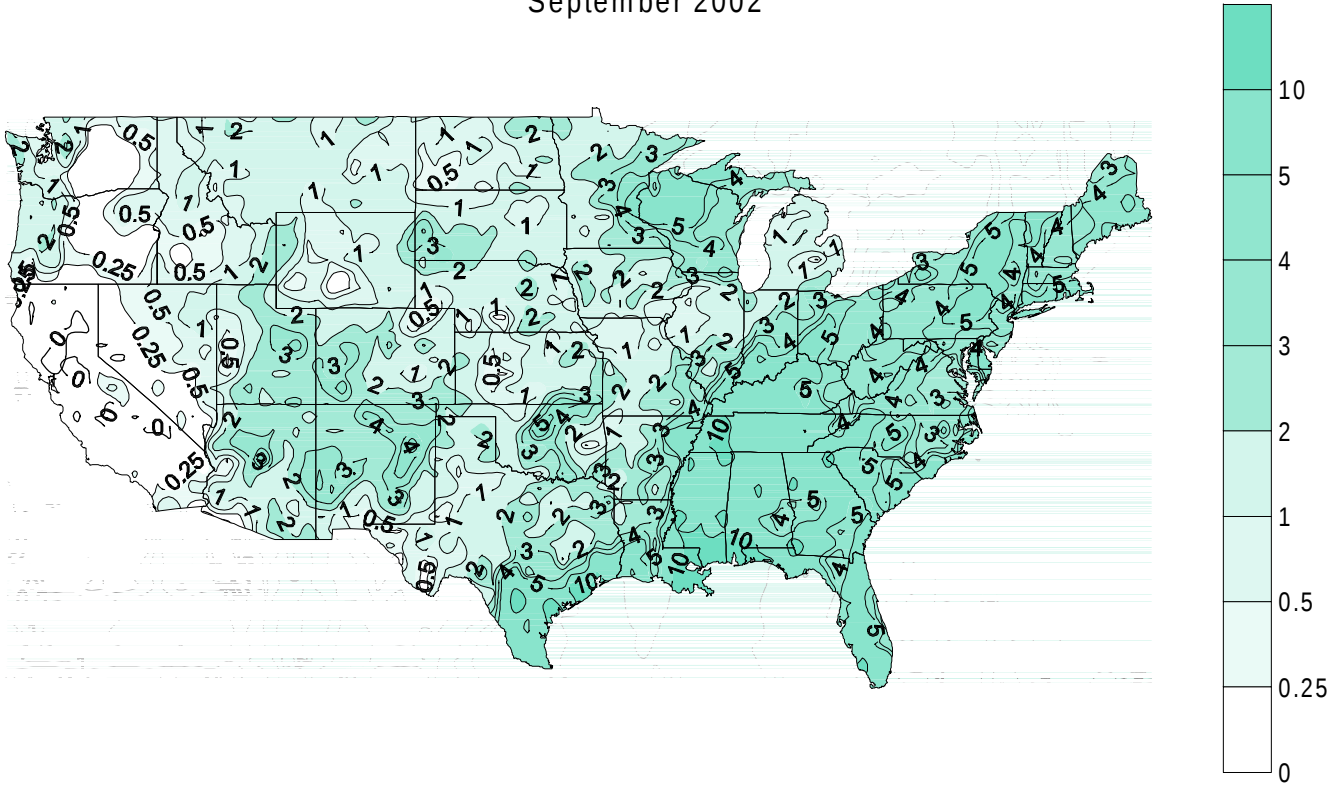
Information concerning the history of changes in locations, exposure, etc. of substations is kept on file at the National Climatic Data Center. Historical information of regular National Weather Service Offices may be obtained from the "Local Climatological Data" annual publication. The contents of this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

SUBSCRIPTION, PRICE, AND ORDERING INFORMATION AVAILABLE FROM:

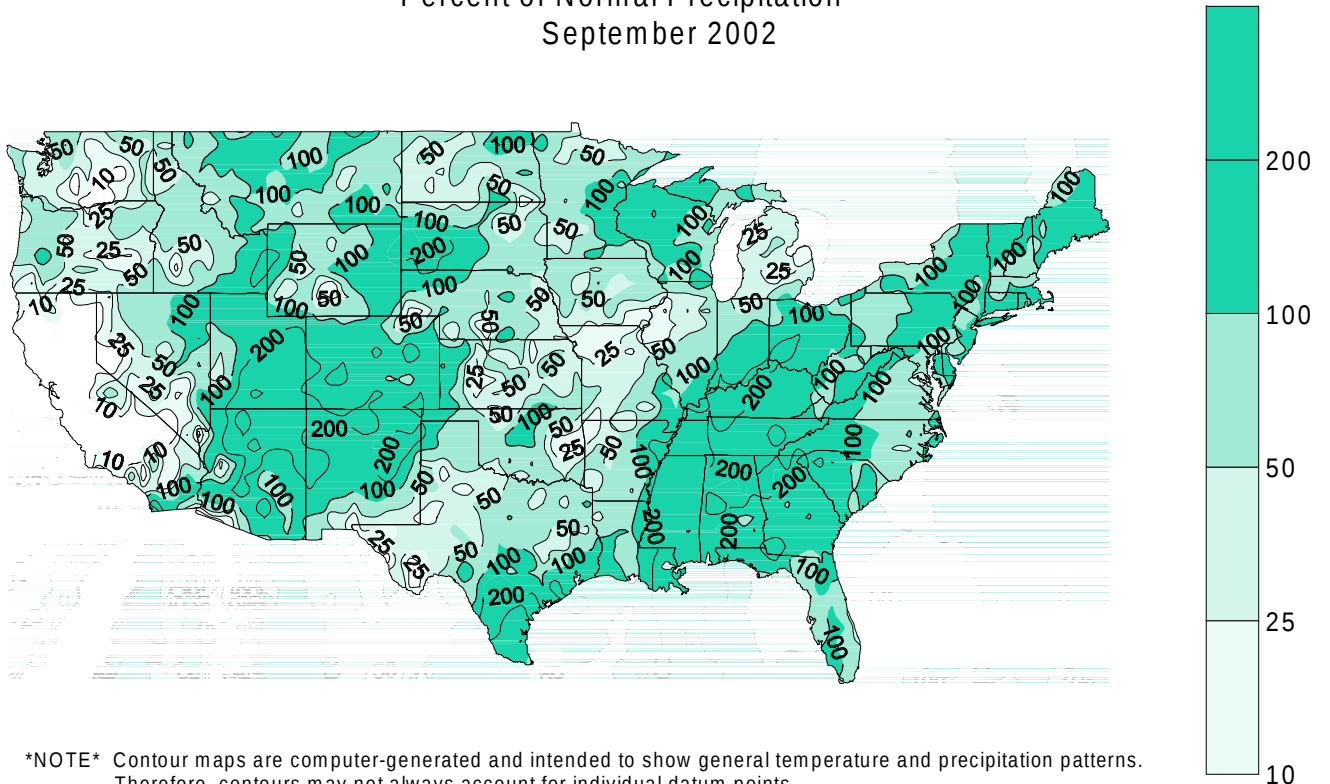
NCDC Subscription Services Center
310 State Route 956
Building 300
Rocket Center, WV 26726

Toll free number: (866) 742–3322
Fax number: (304) 726–4409

Total Precipitation (Inches)
September 2002



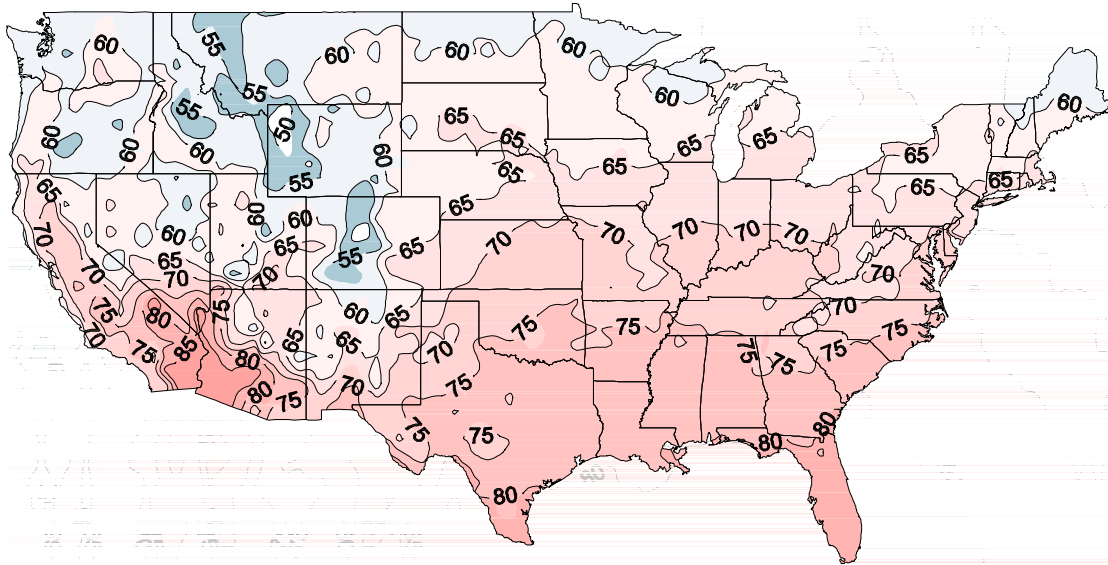
Percent of Normal Precipitation
September 2002



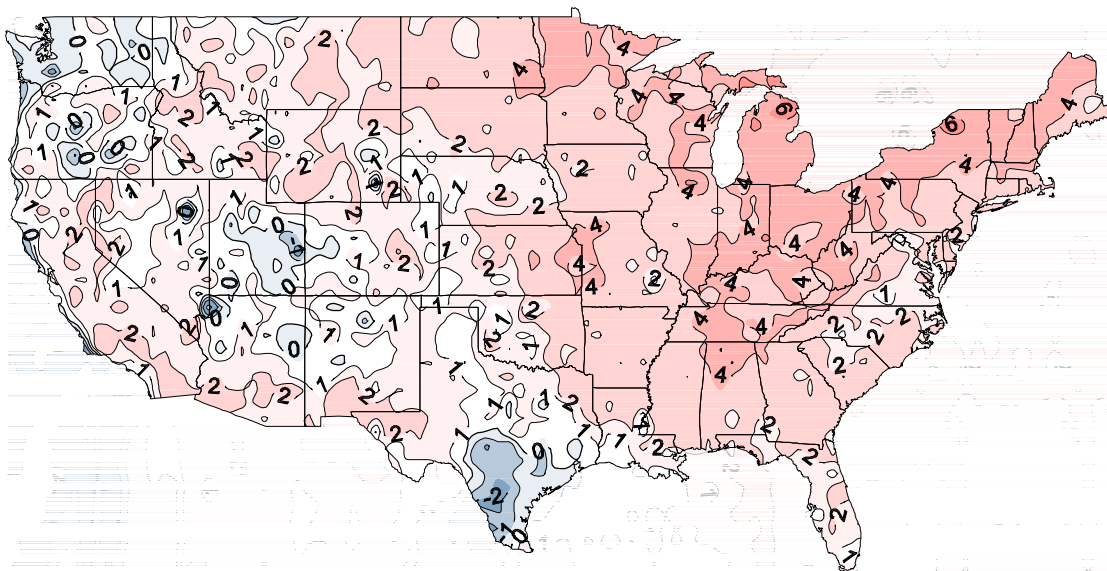
NOTE Contour maps are computer-generated and intended to show general temperature and precipitation patterns. Therefore, contours may not always account for individual datum points.

National Climatic Data Center, NOAA

Average Temperature (Degrees F)
September 2002



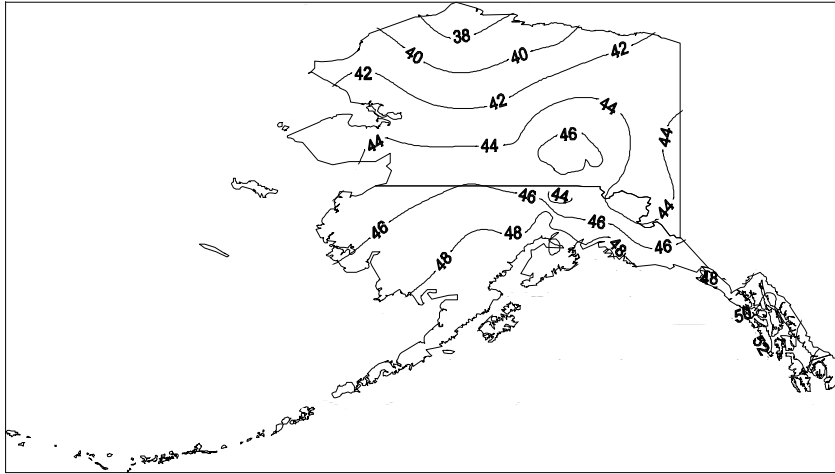
Departure of Average Temperature from Normal (Degrees F)
September 2002



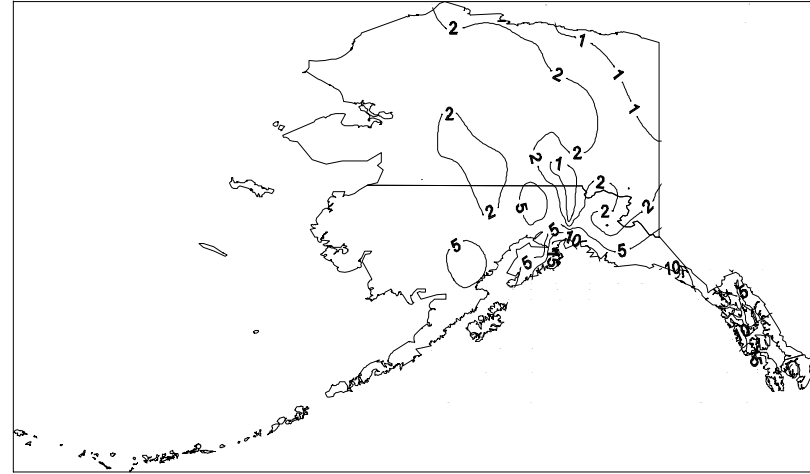
NOTE Contour maps are computer-generated and intended to show general temperature and precipitation patterns. Therefore, contours may not always account for individual datum points.

National Climatic Data Center, NOAA

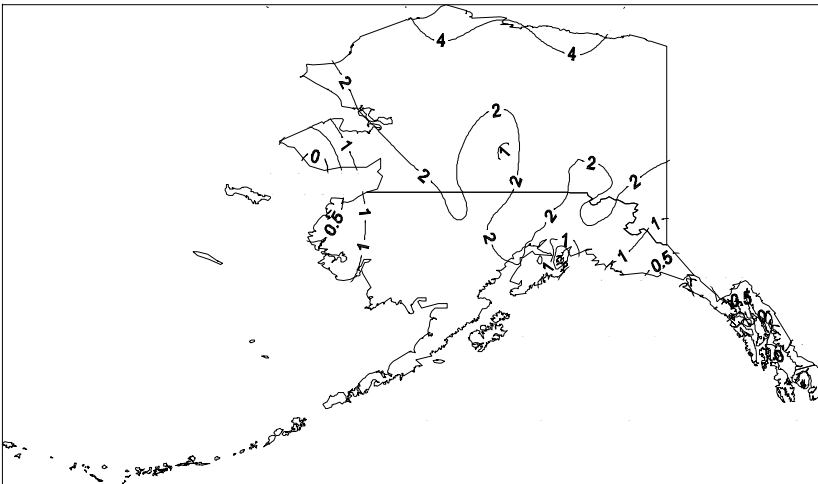
Average Temperature (Degrees F)
September 2002



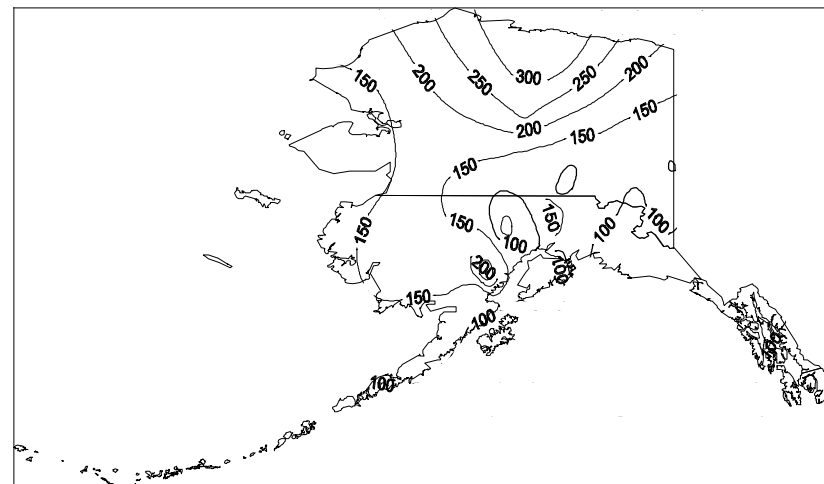
Alaska Precipitation (Inches)
September 2002



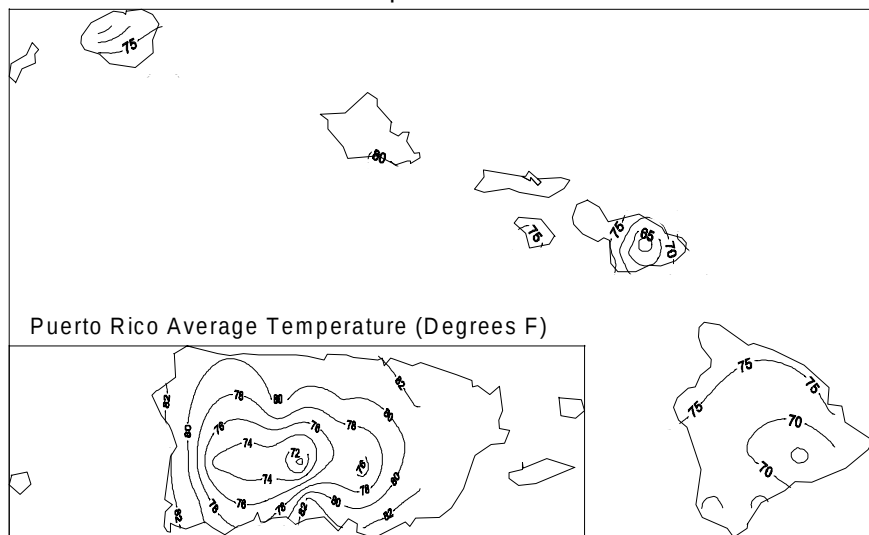
Departure of Average Temperature from Normal (Degrees F)
September 2002



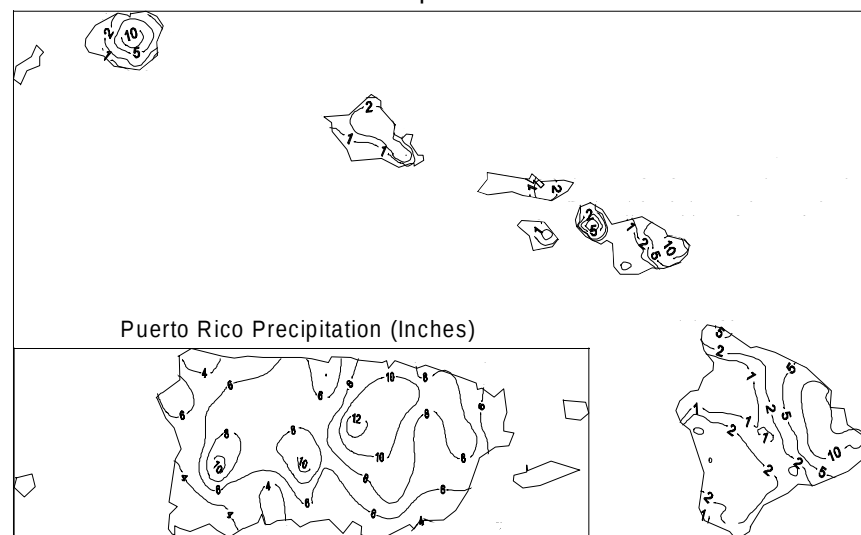
Percent of Normal Precipitation
September 2002



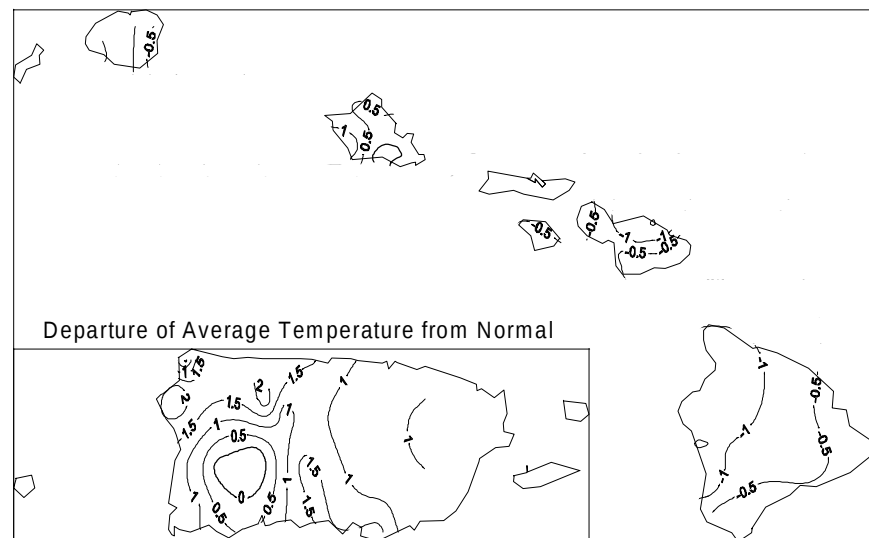
Hawaii Average Temperature (Degrees F)
September 2002



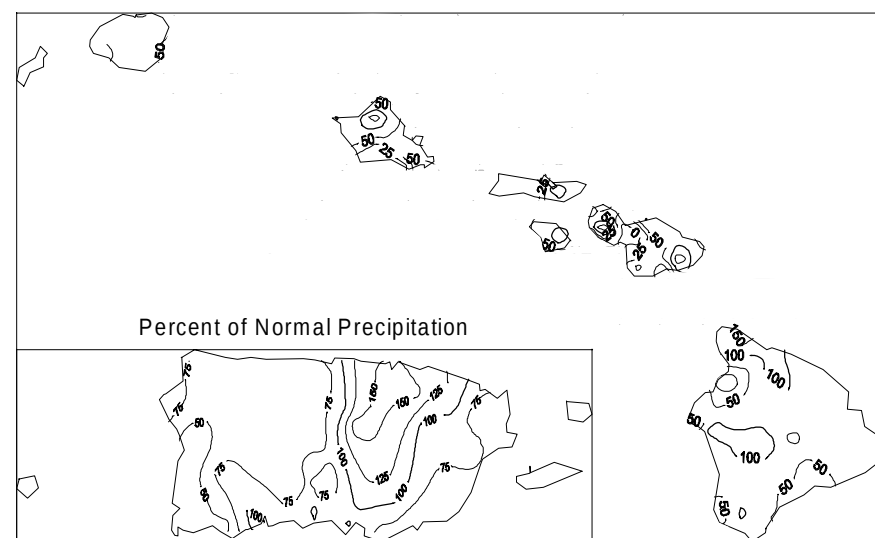
Hawaii Precipitation (Inches)
September 2002

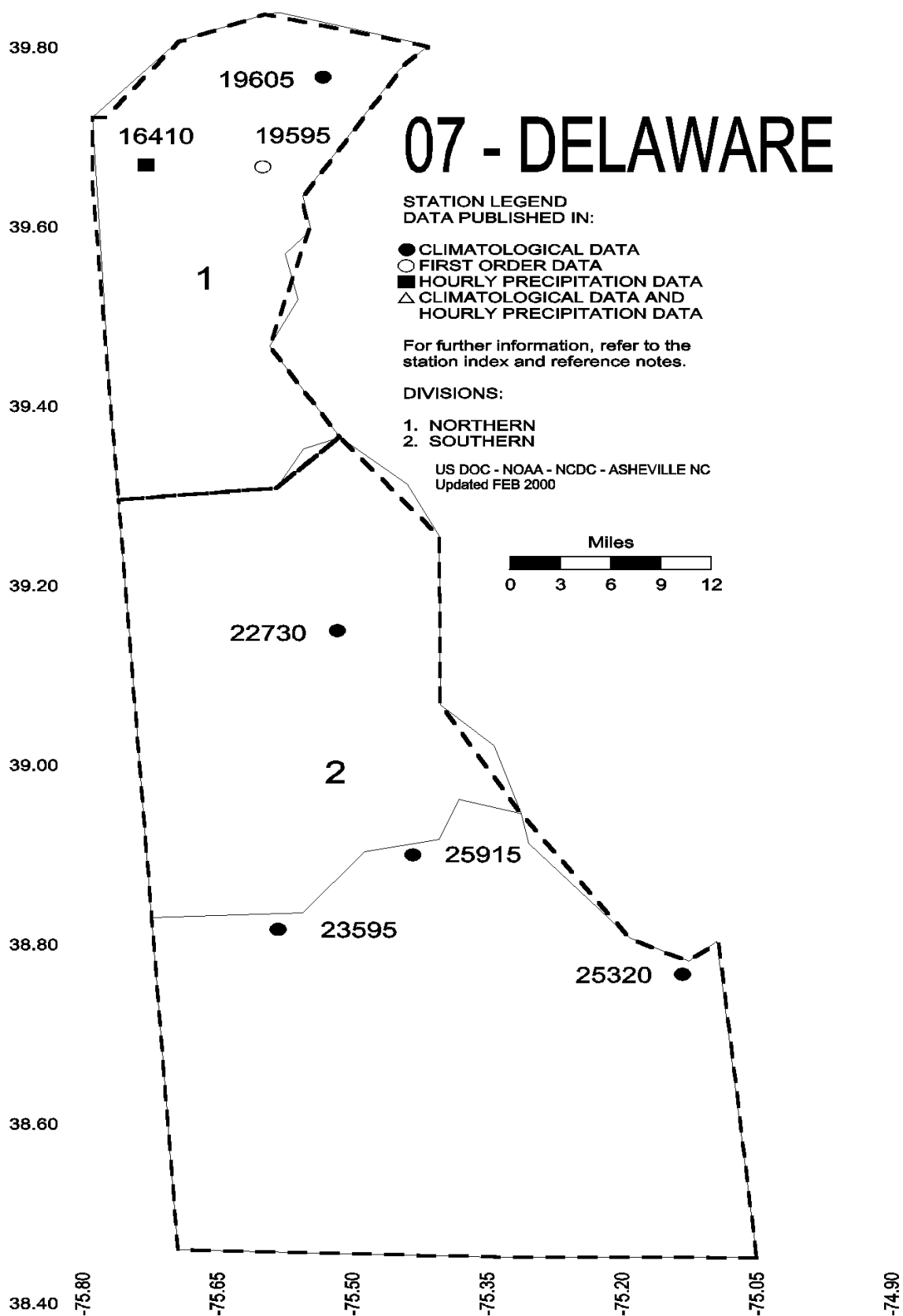


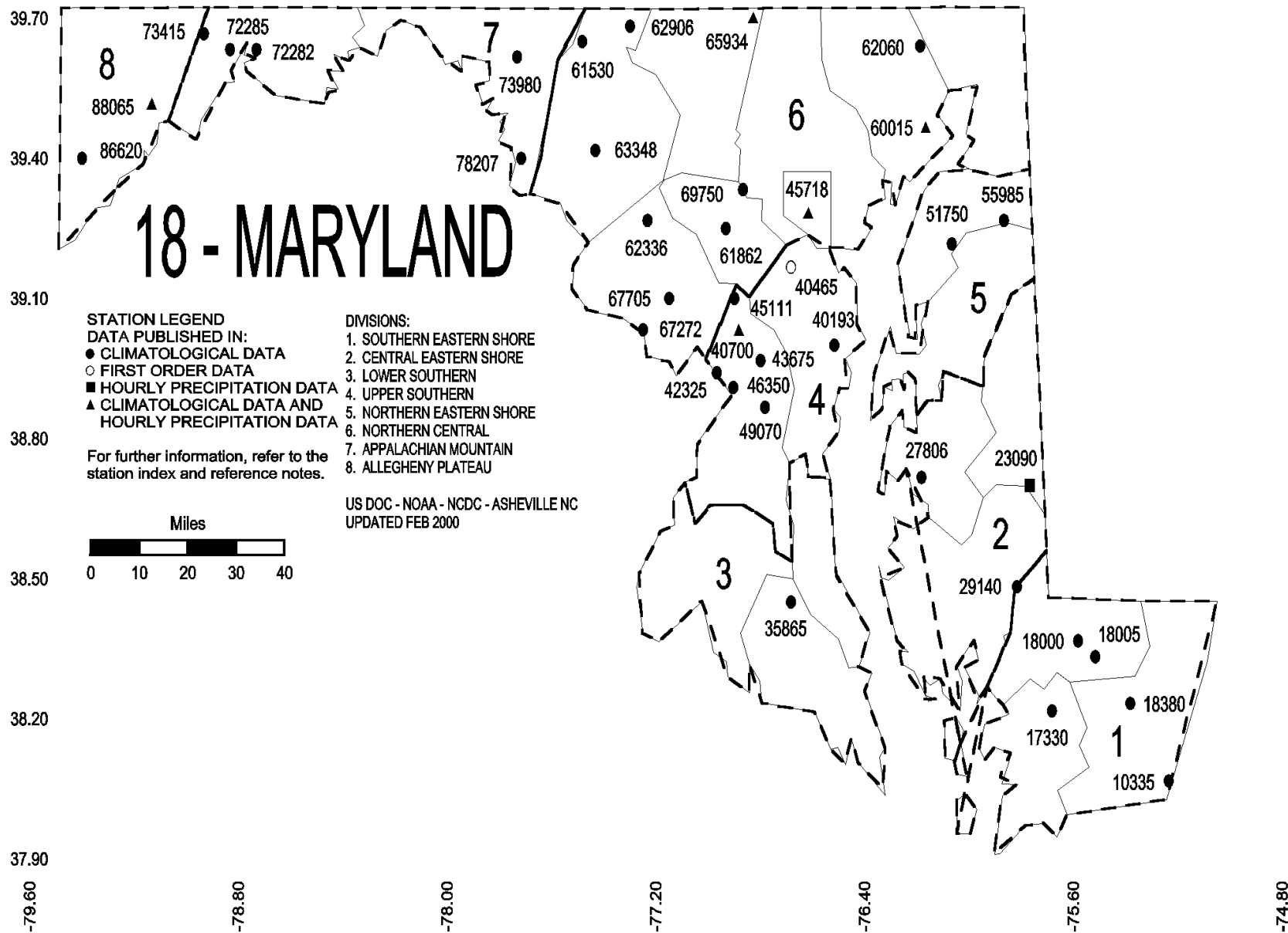
Departure of Average Temperature from Normal (Degrees F)
September 2002



Hawaii Percent of Normal Precipitation
September 2002







To change your address, please return a copy of the mailing label along with your new address to:

NCDC Subscription Services Center
310 State Route 956
Building 300
Rocket Center, WV 26726

Toll free number: (866) 742-3322
TDD: (828) 271-4010
Fax number: (304) 726-4409

NCDC now offers an annual online subscription for the ***Climatological Data publication***. When you purchase this subscription service, you will have **immediate online access** to all previous publications back to October 1997 and all publications thereafter until the expiration of the subscription. Your subscription is valid for one year after purchase. **The total cost is \$36 for online delivery (including back issues) compared to \$50 for offline delivery.** To order this and other subscriptions online with your credit card, go to: **www.ncdc.noaa.gov/mpp.html** and choose subscriptions.

Inquiries/Comments Call: (866) 742-3322 (Toll free)
(828) 271-4010 (TDD)
(304) 726-4409 (Fax)

NCDC Subscription Services Center
310 State Route 956
Building 300
Rocket Center, WV 26726

PRSRT STD POSTAGE & FEES PAID United States Department of Commerce NOAA Permit No. G-19
--

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300
CHANGE SERVICE REQUESTED