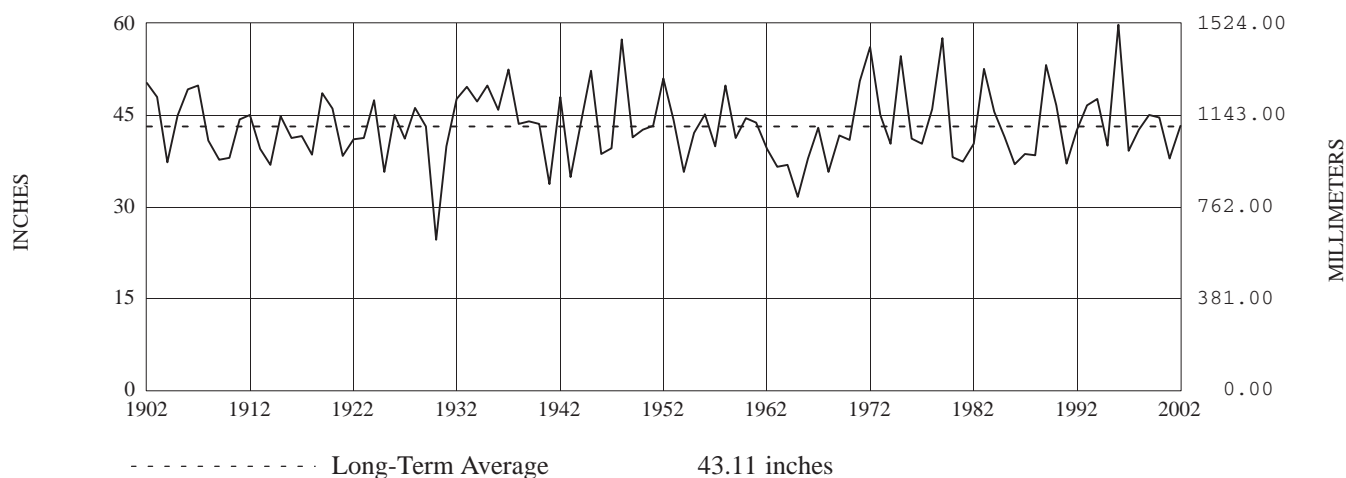


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MARYLAND AND DELAWARE PRECIPITATION, 1902-2002

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Climatic Data Center
Asheville, North Carolina

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

STATION	JAN		FEB		MAR		APR		MAY		JUN	
	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE
MARYLAND												
SOUTHERN EASTERN SHORE 01												
ASSATEAGUE	M 3.24		1.12	-2.47	6.02	1.76	5.84	2.59	1.61	-1.99	4.54	1.69
PRINCESS ANNE	M		.84	-2.10	4.15	-.09	5.65	2.42	2.00	-1.41	2.41	-.72
SALISBURY	2.71	-1.31	1.03	-2.42	3.99	-.56	5.40	2.06	2.15	-1.52	2.08	-1.54
SALISBURY POLICE BRKS	2.44		M .76		5.17		5.54		1.93		3.88	
SALISBURY FAA ARPT	3.39	-.70	1.02	-2.54	5.72	1.10	4.39	.98	1.73	-2.14	2.08	-1.49
SNOW HILL 4 N	3.39	-.63	1.11	-2.30	5.40	.73	4.96	1.72	1.65	-1.99	2.05	-1.38
--DIVISIONAL DATA----->	2.98	-.66	1.02	-2.41	5.08	.96	5.30	2.13	1.85	-1.61	2.84	-.55
CENTRAL EASTERN SHORE 02												
ROYAL OAK 2 SSW	2.74	-1.37	.67	-2.68	4.55	.11	2.44	-1.06	2.39	-1.74	2.08	-1.39
VIENNA	M 2.66		M .30		M 3.66		5.51	2.18	1.80	-1.72	1.61	-2.11
--DIVISIONAL DATA----->	2.74	-.84	.67	-2.59	4.55	.81	3.98	.63	2.10	-1.85	1.85	-1.80
LOWER SOUTHERN 03												
MECHANICSVILLE 5 NE	2.29	-1.70	.61	-2.76	4.74	.11	2.95	-.54	1.82	-2.40	2.91	-1.36
OXON HILL	M		M		M		M		M		3.86	
SOLOMONS												
--DIVISIONAL DATA----->	2.29	-.99	.61	-2.43	4.74	1.05	2.95	-.24	1.82	-2.26	3.39	-.33
UPPER SOUTHERN 04												
ANNAPOLIS POLICE BRKS	2.32	-1.17	.22	-2.73	2.97	-1.20	4.39	1.05	4.09	-.33	M 2.74	
BALTIMORE WSO ARPT R	2.19	-1.28	.36	-2.66	3.75	-.18	4.08	1.08	2.99	-.90	2.39	-1.04
BELTSVILLE	1.21	-2.22	.32	-2.37	2.79	-1.08	3.40	.07	2.77	-1.77	2.17	-1.42
DALECARLIA RESERVOIR	1.50	-1.98	.00	-3.01	4.34	.21	4.50	.96	4.12	-.30	1.93	-1.76
GLENN DALE BELL STN	2.00	-1.45	.57	-2.26	3.32	-.63	4.23	.82	3.33	-1.36	2.06	-1.67
LAUREL 3 W	1.90	-1.62	.27	-2.74	4.17	.00	3.51	-.10	3.10	-1.65	2.35	-1.57
MD SCI CTR BALTIMORE R	2.28		.41		4.14		3.10		2.40		M 2.75	
NATIONAL ARBORETUM DC												
UPPER MARLBORO 3 NNW	1.56	-1.93	.57	-2.19	3.77	-.13	3.98	.70	2.94	-1.37	2.52	-1.31
--DIVISIONAL DATA----->	1.87	-1.18	.34	-2.60	3.66	.25	3.90	.58	3.22	-1.00	2.24	-1.46
NORTHERN EASTERN SHORE 05												
CHESTERTOWN	2.55	-1.01	.63	-2.40	M 3.81		3.09	-.25	4.37	.28	1.88	-2.38
--DIVISIONAL DATA----->	2.55	-.72	.63	-2.41			3.09	-.19	4.37	.36	1.88	-2.11
NORTHERN CENTRAL 06												
ABERDEEN PHILLIPS FLD	M 2.59		M .30		3.32	-.33	2.49	-.87	2.98	-1.43	3.25	-.78
CATOCTIN MOUNTAIN PARK	M 1.95		.46	-2.87	5.07	.75	2.73	-1.23	4.05	-1.09	2.95	-1.66
CLARKSVILLE 3 NNE	M		.28	-2.69	3.31	-.84	3.22	-.29	3.35	-1.36	1.64	-2.20
CONOWINGO DAM	M 2.28		M .56		M 4.31		2.64	-1.01	3.21	-1.37	2.06	-2.09
DAMASCUS 3 SSW	2.29		.67		3.88		2.55		5.88		3.36	
EMMITSBURG 2 SE	1.95	-1.71	.33	-2.64	4.08	.13	2.58	-1.22	3.09	-1.43	3.20	-1.15
FREDERICK POLICE BRKS	M 1.33		.39	-2.20	4.36	.91	3.06	-.26	2.57	-1.61	3.54	-.37
MILLERS 4 NE	2.56	-1.08	.34	-2.56	4.40	.63	2.57	-.88	3.42	-.86	2.28	-1.34
POTOMAC FILTER PLANT	M 1.60		.36	-2.22	3.50	.07	4.14	.92	4.37	.60	2.78	-.87
ROCKVILLE 1 NE	1.42	-1.92	.36	-2.49	3.48	-.41	3.06	-.13	3.84	-.54	M 2.19	
SMITHSBURG 2 NW	2.11		.25		4.36		M 2.73		3.80		4.16	
--DIVISIONAL DATA----->	2.07	-1.01	.39	-2.58	4.03	.50	2.77	-.76	3.62	-.75	2.94	-1.04
APPALACHIAN MOUNTAIN 07												
CUMBERLAND 2	1.52	-1.37	.28	-2.15	3.63	.33	4.26	1.10	M 3.80		3.20	.08
CUMBERLAND POLICE BRK	M 1.30		.18		3.85		M 3.39		3.51		M 3.03	
FROSTBURG 2	2.03	-1.54	.70	-2.40	4.64	.80	4.68	.71	4.93	.17	3.34	-.50
HAGERSTOWN POLICE BRK	M .04		.17		M 2.10		M 2.34		M 1.26		M 1.04	
SHARPSBURG 5 S	1.93		.22		3.91		3.56		4.59		3.12	
--DIVISIONAL DATA----->	1.83	-.78	.31	-2.24	4.01	.70	4.17	.73	4.34	.41	3.22	-.23
ALLEGHENY PLATEAU 08												
OAKLAND 1 SE	2.82	-.69	1.09	-2.09	4.53	.58	6.93	2.86	6.73	1.89	3.65	-.95
SAVAGE RIVER DAM	2.12	-.77	.53	-1.94	4.13	.85	5.23	1.85	5.42	1.18	2.84	-.83
--DIVISIONAL DATA----->	2.47	-.71	.81	-2.14	4.33	.37	6.08	2.01	6.08	1.71	3.25	-.83

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

STATION	JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
MARYLAND														
SOUTHERN EASTERN SHORE 01														
ASSATEAGUE	M 2.68		2.68	-1.50	M 2.37		6.05	2.75	4.55	1.39	3.65	.44	M 44.35	
PRINCESS ANNE	1.42	-2.85	4.50	-.34	M 2.45		6.19	2.88	6.07	2.91	3.95	.81		
SALISBURY	.87	-3.67	4.30	-.42	5.32	1.33	7.24	3.81	5.82	2.65	M 2.66		M 43.57	
SALISBURY POLICE BRKS	1.30		2.87		7.22		8.14		5.33		M 2.39		M 46.97	
SALISBURY FAA ARPT	1.90	-2.64	2.70	-2.29	8.74	5.01	7.66	4.02	5.82	2.52	3.43	-.29	48.58	1.54
SNOW HILL 4 N	2.90	-1.58	3.09	-2.31	15.66	11.91	7.09	3.67	5.13	1.82	3.41	.00	55.84	9.66
--DIVISIONAL DATA----->	1.68	-2.37	3.36	-1.51	9.24	5.83	7.06	3.88	5.45	2.33	3.61	.20	49.47	6.22
CENTRAL EASTERN SHORE 02														
ROYAL OAK 2 SSW	1.61	-2.61	1.58	-2.52	5.37	1.38	6.55	3.09	4.82	1.39	4.58	.91	39.38	-6.49
VIENNA	1.33	-2.53	M .16		3.95	.43	M 5.72		M 5.04		2.66	-.62	M	
--DIVISIONAL DATA----->	1.47	-2.47	1.58	-2.82	4.66	1.15	6.55	3.48	4.82	1.50	3.62	.06	38.59	-4.74
LOWER SOUTHERN 03														
MECHANICSVILLE 5 NE	1.74	-2.74	3.47	-.47	1.86	-2.52	7.11	3.19	5.01	1.58	4.72	1.32	39.23	-8.29
OXON HILL	1.93		2.48		2.34		M 5.14		4.62		5.01			
SOLOMONS			1.93		M 3.64		M 6.40		4.02		4.18			
--DIVISIONAL DATA----->	1.84	-2.12	2.63	-1.34	2.10	-1.57	7.11	3.87	4.55	1.16	4.64	1.31	38.67	-3.89
UPPER SOUTHERN 04														
ANNAPOLIS POLICE BRKS	M 2.51		3.42	-.62	6.94	2.69	7.17	3.61	11.01	7.68	M 6.11		M 53.89	
BALTIMORE WSO ARPT R	2.26	-1.59	3.66	-.08	3.17	-.81	6.01	2.85	3.78	.66	4.96	1.61	39.60	-2.34
BELTSVILLE	2.14	-1.95	2.71	-.98	4.01	-.34	5.77	2.21	3.77	.45	4.83	1.53	35.89	-7.87
DALECARLIA RESERVOIR	2.81	-1.45	2.81	-1.17	3.39	-.91	6.52	3.04	4.69	1.28	3.00	-.41	39.61	-5.50
GLENN DALE BELL STN	2.55	-1.63	3.14	-.95	3.88	-.15	5.71	2.10	4.38	.96	5.09	1.82	40.26	-4.40
LAUREL 3 W	4.49	.47	2.61	-1.00	4.03	-.50	6.54	2.92	4.71	.73	4.95	1.29	42.63	-3.77
MD SCI CTR BALTIMORE R	3.29		4.04		3.14		6.41		3.50		5.29		M 40.75	
NATIONAL ARBORETUM DC											4.98	1.73		
UPPER MARLBORO 3 NNW	1.51	-2.60	3.32	-.58	2.09	-1.91	6.33	2.67	M 4.06		M 4.48		M 37.13	
--DIVISIONAL DATA----->	2.72	-1.29	3.21	-.96	3.83	.25	6.31	3.00	5.12	1.72	4.73	1.36	41.15	-1.33
NORTHERN EASTERN SHORE 05														
CHESTERTOWN	2.87	-1.07	1.81	-1.95	4.22	-.08	6.93	3.56	5.34	2.00	5.34	1.65	M 42.84	
--DIVISIONAL DATA----->	2.87	-.93	1.81	-2.07	4.22	.57	6.93	3.79	5.34	1.95	5.34	1.65		
NORTHERN CENTRAL 06														
ABERDEEN PHILLIPS FLD	2.10	-2.11	M 2.24		3.49	-.99	7.92	4.53	M 4.16		5.97	2.56	M	
CATOCTIN MOUNTAIN PARK	3.12	-.70	4.24	.32	6.28	1.37	6.78	2.89	3.79	-.08	4.49	1.05	M 45.91	
CLARKSVILLE 3 NNE	1.82	-2.21	M .40		M 6.44		2.95		3.61	.05	M 3.27			
CONOWINGO DAM	2.52	-1.68	2.34	-2.07	3.82	-1.10	M 6.99		M 4.41		6.47	2.58	M	
DAMASCUS 3 SSW	3.03		3.13		3.82		5.97		4.74		4.49		43.81	
EMMITSBURG 2 SE	2.34	-1.30	3.58	-.02	4.75	.49	6.08	2.60	3.46	-.34	3.12	-.19	38.56	-6.78
FREDERICK POLICE BRKS														
MILLERS 4 NE	M 2.25	-1.32	4.22	.51	4.61	.47	7.14	3.70	4.04	.43	5.40	1.86	43.23	-.44
POTOMAC FILTER PLANT	3.04	-.53	3.99	.55	M 2.64		6.38	3.17	5.04	1.65	M 3.28		M 41.12	
ROCKVILLE 1 NE	3.60	-.31	2.11	-1.61	3.62	-.47	5.33	1.97	M 4.59		2.96	-.21	M 36.56	
SMITHSBURG 2 NW	2.47		4.07		5.08		5.23		3.87		3.85		M 41.98	
--DIVISIONAL DATA----->	2.58	-1.22	3.38	-.47	4.43	.72	6.36	3.02	3.92	.34	4.59	1.12	41.08	-2.13
APPALACHIAN MOUNTAIN 07														
CUMBERLAND 2	2.50	-.92	3.79	.26	3.43	.25	5.35	2.66	2.74	-.17	3.16	.55	M 37.66	
CUMBERLAND POLICE BRK	2.06		1.91		3.91		5.90		M 3.71		M 1.59		M	
FROSTBURG 2	3.08	-.83	3.93	.11	3.57	-.05	5.50	2.29	3.10	-.66	3.61	.45	43.11	-1.45
HAGERSTOWN POLICE BRK	2.70		M 2.16		M 5.94		5.38		3.86		M 3.83		M	
SHARPSBURG 5 S	4.54		M 3.50		4.58		5.32		3.96		4.00		M 43.23	
--DIVISIONAL DATA----->	2.98	-.56	3.21	-.13	3.87	.67	5.49	2.32	3.42	.31	3.59	.77	40.44	1.97
ALLEGHENY PLATEAU 08														
OAKLAND 1 SE	5.79	.56	3.23	-.92	3.96	.40	5.34	2.22	4.06	.38	3.34	-.33	51.47	3.91
SAVAGE RIVER DAM	5.74	1.55	1.54	-1.83	2.89	-.59	4.92	2.11	2.86	-.14	3.02	.28	41.24	1.72
--DIVISIONAL DATA----->	5.77	.91	2.39	-1.44	3.43	.11	5.13	1.96	3.46	-.10	3.18	-.50	46.38	1.35

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

STATION	JAN		FEB		MAR		APR		MAY		JUN	
	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE
DELAWARE												
NORTHERN 01												
NEWARK UNIVERSITY FARM	2.27	-1.20	.50	-2.23	4.10	.06	3.10	-.43	4.57	.16	3.17	-.89
WILMINGTON WSO ARPT R	2.72	-.71	.43	-2.38	4.05	.08	2.26	-1.13	3.40	-.75	4.96	1.37
WILMINGTON PORTER RSVR	M 3.44		.44	-2.61	5.54	1.73	3.07	-.94	4.77	.44	4.38	.32
--DIVISIONAL DATA----->	2.50	-.68	.46	-2.39	4.56	1.09	2.81	-.76	4.25	.20	4.17	.41
SOUTHERN 02												
DOVER	2.57	-1.37	.61	-2.43	4.40	.00	4.45	.98	3.79	-.50	4.82	1.05
GREENWOOD 2 NE	2.53	-1.39	.67	-2.51	4.32	-.35	4.75	1.30	3.33	-.98	2.18	-1.38
LEWES	2.83	-1.18	1.08	-2.14	4.86	.41	3.76	.22	3.31	-.60	2.41	-.74
MILFORD 2 SE	2.52	-1.56	.62	-2.55	4.49	-.02	4.66	1.16	3.84	-.19	1.82	-1.49
--DIVISIONAL DATA----->	2.61	-1.03	.75	-2.43	4.52	.58	4.41	.93	3.57	-.31	2.81	-.68

MARYLAND AND DELAWARE
2002

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

STATION	JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
DELAWARE														
NORTHERN 01														
NEWARK UNIVERSITY FARM	M 1.49		M		M 2.36		6.55	3.17	5.23	1.84	5.42	1.86		
WILMINGTON WSO ARPT R	1.40	-2.88	2.03	-1.48	3.42	- .59	6.16	3.08	4.47	1.28	4.50	1.10	39.80	-3.01
WILMINGTON PORTER RSVR	2.21	-2.18	2.06	-1.99	3.63	- .32	7.63	4.33	4.53	.73	M 5.36		M 47.06	
--DIVISIONAL DATA----->	1.81	-2.41	2.05	-1.58	3.53	- .09	6.78	3.65	4.74	1.33	4.96	1.40	42.62	.17
SOUTHERN 02														
DOVER	2.82	-1.34	2.28	-2.45	5.81	1.25	8.82	5.56	6.20	3.04	4.92	1.42	51.49	5.21
GREENWOOD 2 NE	3.06	-1.78	M 2.51		9.40	5.29	7.07	3.92	5.98	2.85	4.18	.58	M 49.98	
LEWES	3.26	-.93	2.89	-2.45	7.82	4.05	7.62	4.20	6.84	3.51	3.61	-.06	50.29	4.29
MILFORD 2 SE	3.55	-.14	4.59	-.02	8.93	4.85	9.05	5.57	6.11	2.79	4.08	.49	54.26	8.89
--DIVISIONAL DATA----->	3.17	-.72	3.25	-1.53	7.99	4.35	8.14	4.91	6.28	3.07	4.20	.61	51.70	7.75

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (°F)

STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL		
	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	
MARYLAND																											
SOUTHERN EASTERN SHORE 01																											
ASSATEAGUE	42.0	5.7	42.8	4.8	47.7	3.8	57.4	4.9	63.5	2.0	73.0	2.8	78.4	2.8	77.7	2.3	74.2	3.9	63.7	4.1	50.3	.6	39.9	-1.0	59.2	3.1	
PRINCESS ANNE	M		M		M		M58.6	4.2	M		M		M		M		M		M		M		M		M		
SALISBURY	42.5	5.3	44.9	5.6	50.4	3.4	60.5	4.6	65.7	.9	75.7	2.8	80.5	3.0	79.6	3.6	72.6	2.6	61.6	2.5	48.7	-1.3	39.3	-1.9	60.2	2.6	
SALISBURY POLICE BRKS	42.2		44.2		50.5		61.3		67.1		77.1		81.7		80.8		72.9		61.1		48.7		39.2		60.6		
SALISBURY FAA ARPT	38.9	3.2	39.1	1.2	46.0	.5	56.2	1.9	61.0	-2.4	71.1	-1.1	75.9	-1.4	76.0	.5	68.8	-.3	57.7	.1	45.6	-3.0	36.3	-3.7	56.1	-.4	
SNOW HILL 4 N	41.5	4.5	42.8	3.8	48.9	2.4	58.6	3.1	64.1	-.7	74.5	1.6	78.3	1.3	77.2	1.9	70.8	1.2	61.0	2.6	48.7	-.7	39.0	-2.0	58.8	1.6	
--DIVISIONAL DATA----->	41.4	6.1	42.8	5.4	48.7	3.1	58.8	4.6	64.3	.6	74.3	2.1	79.0	2.4	78.3	2.6	71.9	2.4	61.0	2.3	48.4	-1.2	38.7	-1.4	59.0	2.4	
CENTRAL EASTERN SHORE 02																											
ROYAL OAK 2 SSW	41.8	5.7	43.6	5.1	49.0	2.3	59.7	3.6	65.5	-.2	75.6	1.4	80.2	1.6	80.3	3.4	72.9	2.2	59.7	-.1	48.3	-1.8	37.4	-3.4	59.5	1.7	
VIENNA	41.6	5.5	43.5	5.3	49.5	3.1	59.8	4.2	65.5	.6	76.1	2.8	81.1	3.0	80.3	4.2	71.8	1.9	60.2	1.4	48.6	-.7	38.6	-1.9	59.7	2.5	
--DIVISIONAL DATA----->	41.7	7.5	43.6	6.9	49.3	3.5	59.8	5.0	65.5	.8	75.9	2.6	80.7	3.3	80.3	4.2	72.4	2.8	60.0	1.2	48.5	-.7	38.0	-1.2	59.6	3.0	
LOWER SOUTHERN 03																											
MECHANICSVILLE 5 NE	40.6	5.7	42.3	4.4	48.2	2.0	59.4	4.1	63.4	-.5	73.6	1.6	77.7	1.1	78.1	3.3	69.6	1.3	57.7	1.0	46.3	-1.6	35.1	-4.4	57.7	1.5	
OXON HILL	M		M		M		M		M		75.1		79.9		80.0		71.3		57.8		45.6		36.2		M		
SOLOMONS															81.6		74.9		62.7		50.0		39.0		M		
--DIVISIONAL DATA----->	40.6	6.6	42.3	5.5	48.2	2.3	59.4	4.5	63.4	-1.0	74.4	1.9	78.8	2.2	79.9	4.5	71.9	2.9	59.4	1.5	47.3	-1.3	36.8	-2.0	58.5	2.3	
UPPER SOUTHERN 04																											
ANNAPOLIS POLICE BRKS	42.4	9.6	41.9	6.8	49.6	6.0	59.2	5.6	64.1	.5	M76.3	3.9	80.7	3.2	80.1	4.5	75.4	7.1	60.7	4.1	M50.5	4.5	38.1	-.4	M59.9	4.7	
BALTIMORE WSO ARPT	R	39.1	6.8	39.3	3.8	45.0	1.3	56.7	3.5	62.2	-.7	73.8	2.0	78.6	2.1	78.4	3.9	69.5	2.1	56.0	.6	44.4	-1.1	34.3	-2.4	56.4	1.8
BELTSVILLE	38.4	5.8	39.8	4.4	44.9	1.1	56.7	3.4	62.3	-.7	73.7	1.6	78.0	1.1	78.4	3.1	69.6	1.2	56.4	.3	44.6	-2.1	34.4	-2.9	56.4	1.4	
DALECARLIA RESERVOIR	41.0	7.0	43.6	6.2	48.7	3.0	59.7	4.1	65.9	1.0	76.6	3.4	81.4	3.8	80.3	4.1	71.9	2.6	58.5	1.2	46.4	-.8	35.9	-2.3	59.2	2.8	
GLENN DALE BELL STN	37.3	5.5	39.1	4.7	44.1	.8	57.5	5.5	61.8	.1	73.6	3.3	78.5	3.3	77.9	4.1	68.6	1.9	54.9	-.2	43.4	-1.5	32.9	-3.6	55.8	2.0	
LAUREL 3 W	40.4	7.3	40.3	4.0	45.7	.8	58.3	3.4	63.6	-1.0	74.9	2.1	79.5	1.7	79.5	3.0	71.4	2.3	57.5	-.1	46.1	-1.4	35.7	-2.1	57.7	1.7	
MD SCI CTR BALTIMORE	R	41.9		42.5	46.9		59.2		65.2		M76.4		81.5		80.7		73.3		58.4		47.1		M36.3		M59.2		
NATIONAL ARBORETUM DC																											
UPPER MARLBORO 3 NNW	39.2	6.7	39.8	4.4	45.0	1.2	57.5	4.1	62.7	.0	74.2	2.9	78.6	2.7	78.8	4.7	69.9	2.7	56.7	1.4	44.7	-1.6	34.8	-2.2	56.8	2.3	
--DIVISIONAL DATA----->	40.0	7.6	40.8	5.6	46.2	1.6	58.1	4.2	63.5	-.2	74.9	2.6	79.6	3.0	79.3	4.0	71.2	2.7	57.4	.6	45.9	-1.3	35.5	-1.6	57.7	2.4	
NORTHERN EASTERN SHORE 05																											
CHESTERTOWN	38.8	5.6	39.9	4.0	45.3	.9	57.1	3.0	63.7	-.2	74.3	1.6	79.1	1.7	79.3	3.5	69.8	1.0	55.3	-1.9	45.3	-1.8	33.5	-4.1	56.8	1.1	
--DIVISIONAL DATA----->	38.8	6.6	39.9	5.0	45.3	1.1	57.1	3.7	63.7	.2	74.3	2.1	79.1	2.6	79.3	4.1	69.8	1.2	55.3	-2.0	45.3	-2.2	33.5	-3.5	56.8	1.6	
NORTHERN CENTRAL 06																											
ABERDEEN PHILLIPS FLD	M		M41.4	4.6	M		M58.5	3.9	M63.8	-.1	M		79.7	2.7	M79.1	3.7	M		M56.4	-.9	M		M		M		
CATOCTIN MOUNTAIN PARK	37.9	8.9	37.8	5.6	43.6	2.7	54.5	2.6	60.5	-1.1	70.7	1.5	74.7	1.6	73.9	2.4	67.1	2.0	51.8	-2.7	41.6	-2.2	30.9	-2.9	53.8	1.5	
CLARKSVILLE 3 NNE	M		38.7	4.4	44.1	1.3	55.8	3.4	62.0	-.2	72.2	1.5	76.8	1.7	69.9	-3.4	68.4	1.7	54.5	-.2	43.1	-1.7	32.6	-3.2	M		
CONOWINGO DAM	37.7	6.8	39.2	5.5	M44.8	2.4	56.7	4.3	61.9	-.7	74.1	2.6	79.8	3.6	79.2	4.4	71.8	4.1	57.0	1.4	M44.6	-.3	33.6	-2.2	M56.7	2.7	
DAMASCUS 3 SSW	38.1		38.8		M43.9		55.6		60.8		71.0		75.4		75.5		67.6		53.1		42.4		31.9		M54.5		
EMMITSBURG 2 SE	38.1	7.1	M38.6	4.5	44.5	1.5	55.4	2.6	61.1	-1.1	71.6	1.1	76.5	1.5	75.5	2.2	67.5	1.1	54.2	-.7	43.4	-1.4	32.2	-3.7	M54.9	1.2	
FREDERICK POLICE BRKS	40.8	7.5	42.4	5.8	46.8	1.7	58.6	3.0	63.8	-1.4	74.3	.7	M														
MILLERS 4 NE	38.0	7.6	39.5	6.1	44.3	2.6	55.2	3.4	61.1	-.2	71.2	1.5	76.1	2.2	76.1	3.6	68.2	2.6	53.8	-1.2	43.1	-1.7	32.3	-3.1	54.9	2.0	
ROCKVILLE 1 NE	40.2	8.4	40.5	5.9	45.3	2.1	57.6	4.3	63.3	1.0	74.1	3.4	78.1	2.8	77.7	4.4	69.9	3.4	55.5	.4	43.4	-1.8	34.3	-2.0	56.7	2.7	
SMITHSBURG 2 NW	36.1		37.2		42.0		54.1		59.7		74.0		78.1		77.5		68.8		54.7		44.0		31.8		54.8		
--DIVISIONAL DATA----->	38.4	7.6	39.4	5.9	44.4	1.4	56.2	3.6	61.8	-.8	72.6	1.6	77.2	2.0	76.0	2.2	68.7	1.6	54.6	-1.1	43.2	-2.6	32.5	-2.9	55.4	1.5	
APPALACHIAN MOUNTAIN 07																											
CUMBERLAND 2	39.8	9.5	38.1	4.2	44.1	1.4	56.3	3.4	61.2	-1.0	72.7	2.5	76.8	2.3	75.0	2.1	69.6	3.8	53.7	-.2	42.9	-.7	33.0	-1.2	55.3	2.2	
CUMBERLAND POLICE BRK	37.5		38.7		43.2		55.5		60.2		70.9		75.5		73.6		68.1		52.7		42.7		32.6		54.3		
FROSTBURG 2	32.8	8.3	32.6	5.3	37.3	2.0	50.4	4.5	55.0	-1.2	66.8	2.6	70.7	2.2	69.7	2.5	63.1	2.8	48.8	-.5	38.4	-.7	26.6	-2.9	49.4	2.1	
HAGERSTOWN POLICE BRK	39.5		40.9		46.2		57.3		61.8		72.1		77.4		76.4		69.4		54.8		44.2		33.3		56.1		
SHARPSBURG 5 S	36.9		38.2		43.0		55.2		59.2		71.4		75.4		74.8		67.6		53.7		42.8		31.7		54.2		
--DIVISIONAL DATA----->	37.3	8.3	37.7	5.9	42.8	1.3	54.9	3.4	59.5	-1.7	70.8	1.6	75.2	2.0	73.9	2.0	67.6	2.4	52.7	-1.1	42.2	-1.8	31.4	-2.2	53.8	1.7	
ALLEGHENY PLATEAU 08																											

MARYLAND AND DELAWARE
2002

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (°F)

STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE
OAKLAND 1 SE	33.2	6.4	33.4	4.1	40.3	2.4	51.5	4.0	56.2	- .5	66.7	2.4	71.1	2.7	68.4	1.3	63.9	3.1	49.8	- .2	38.1	-1.9	29.0	-2.3	50.1	1.8
SAVAGE RIVER DAM	34.3	8.1	33.4	4.8	38.0	.9	51.1	3.7	56.1	-1.2	68.6	3.1	74.4	4.7	71.6	3.3	64.7	3.2	50.7	.7	39.9	- .5	28.8	-2.2	51.0	2.4
--DIVISIONAL DATA----->	33.8	9.0	33.4	6.3	39.2	2.4	51.3	4.5	56.2	- .4	67.7	3.5	72.8	4.8	70.0	3.1	64.3	3.7	50.3	.8	39.0	-1.0	28.9	- .7	50.6	3.0
DELAWARE																										
NORTHERN 01																										
NEWARK UNIVERSITY FARM	39.2	6.7	41.0	5.8	45.7	2.3	57.1	4.0	62.9	- .4	73.4	1.6	79.0	2.6	M		70.8	3.1	56.9	.8	45.0	-1.3	34.5	-2.6	M	
WILMINGTON WSO ARPT R	37.8	6.3	39.4	5.2	44.3	1.6	55.7	3.3	61.4	-1.1	71.8	.3	77.5	.9	77.8	2.8	69.3	1.6	55.5	- .3	43.6	-2.3	34.3	-2.1	55.7	1.4
WILMINGTON PORTER RSVR	37.8	7.7	39.7	7.0	43.9	2.1	56.0	4.5	61.4	- .5	71.7	.9	77.4	2.2	77.5	3.7	69.3	2.5	55.1	- .5	43.9	-1.8	33.9	-1.4	55.6	2.2
--DIVISIONAL DATA----->	38.3	7.5	40.0	6.5	44.6	1.9	56.3	4.1	61.9	- .7	72.3	.8	78.0	2.1	77.7	3.2	69.8	2.1	55.8	- .4	44.2	-2.1	34.2	-1.7	56.1	1.9
SOUTHERN 02																										
DOVER	40.5	5.2	42.5	4.8	47.8	2.4	58.1	3.5	63.7	- .6	74.2	1.3	78.9	1.1	78.9	2.7	71.1	1.2	58.6	- .2	46.7	-2.5	36.5	-3.4	58.1	1.3
GREENWOOD 2 NE	40.0	6.9	39.8	5.5	45.4	2.1	57.3	5.1	62.0	.2	72.6	1.9	77.4	1.7	77.5	3.6	69.9	3.0	57.8	1.8	46.1	- .4	35.6	-1.7	56.8	2.5
LEWES	43.0	6.6	44.7	6.4	49.0	3.4	59.8	5.2	65.4	1.4	75.1	2.6	79.4	2.1	78.9	3.0	72.3	2.1	61.4	2.2	49.0	-1.0	39.4	-1.7	59.8	2.7
MILFORD 2 SE	40.0	6.4	40.8	5.9	M		57.6	4.5	62.2	- .6	73.1	1.3	78.6	1.9	78.2	3.4	70.6	2.9	59.0	2.1	46.4	- .6	36.0	-2.7	M	
--DIVISIONAL DATA----->	40.9	7.2	42.0	6.1	47.4	2.8	58.2	4.8	63.3	.0	73.8	1.7	78.6	2.2	78.4	3.3	71.0	2.3	59.2	1.5	47.1	-1.4	36.9	-1.7	58.1	2.4

TEMPERATURE EXTREMES AND FREEZE DATA (°F)

STATION	HIGHEST	DATE	LOWEST	DATE	LAST SPRING MINIMUM OF										FIRST FALL MINIMUM OF										NUMBER OF DAYS BETWEEN DATES				
					16° OR BELOW		20° OR BELOW		24° OR BELOW		28° OR BELOW		32° OR BELOW		32° OR BELOW		28° OR BELOW		24° OR BELOW		20° OR BELOW		16° OR BELOW		16° OR BELOW	20° OR BELOW	24° OR BELOW	28° OR BELOW	32° OR BELOW
					DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.					
MARYLAND																													
SOUTHERN EASTERN SHORE 01	100	7/29	18	12/ 7	NONE MSG		2/12 MSG	20	3/ 5 MSG	22	3/22 MSG	27	3/24 MSG	31	11/19 MSG	31	11/29 MSG	25	12/ 3 MSG	23	12/ 7 MSG	18	NONE MSG			298	273	252	240
PRINCESS ANNE																													
SALISBURY	99	7/ 4	18	12/ 7	NONE		1/ 1	19	3/23	24	3/23	24	4/ 7	31	11/ 3	32	11/28	27	11/29	24	12/ 4	20	NONE			337	251	250	210
SALISBURY POLICE BRKS	102	8/13	17	12/ 7	NONE		3/ 5	19	3/23	22	3/23	22	4/ 7	29	11/19	30	11/28	26	11/29	24	12/ 4	19	NONE			274	251	250	226
SALISBURY FAA ARPT	99	8/13	12	12/ 7	3/23	15	3/23	15	3/24	23	4/ 8	28	5/22	30	10/31	32	11/ 2	28	11/28	20	11/28	20	11/29	16	251	250	249	208	162
SNOW HILL 4 N	98	8/18	14	12/ 7	3/ 5	14	3/23	17	4/ 7	24	4/ 7	24	5/22	32	11/ 1	31	11/19	27	11/28	22	11/29	19	12/ 4	14	274	251	235	226	163
CENTRAL EASTERN SHORE 02																													
ROYAL OAK 2 SSW	99	7/ 4	14	12/ 7	3/ 5	16	3/ 5	16	3/ 5	16	3/22	26	4/ 7	30	11/ 3	32	11/28	26	12/ 4	18	12/ 4	18	12/ 7	14	277	274	274	251	210
VIENNA	101	8/18	12	12/ 7	3/ 5	16	3/ 5	16	3/ 5	16	4/ 7	27	4/26	32	11/ 1	32	11/28	24	11/28	24	12/ 4	19	12/ 7	12	277	274	268	235	189
LOWER SOUTHERN																													
MECHANICSVILLE 5 NE	98	8/14	10	12/ 7	3/ 5	14	3/ 5	14	3/23	21	4/ 7	25	4/ 7	25	11/ 1	32	11/19	27	11/28	21	12/ 4	13	12/ 4	13	274	274	250	226	208
OXON HILL					MSG		MSG		MSG		MSG		MSG		11/ 1	32	11/29	26	12/ 4	19	12/ 4	19	12/ 7	13					
SOLOMONS					MSG		MSG		MSG		MSG		MSG		11/ 4	30	11/28	27	12/ 4	22	12/ 7	14	12/ 7	14					
UPPER SOUTHERN																													
ANNAPOLIS POLICE BRKS	100	7/29	13	12/ 7	NONE		2/19	20	3/23	24	3/23	24	4/ 7	30	11/18	30	12/ 2	27	12/ 3	20	12/ 3	20	12/ 7	13		287	255	254	225
BALTIMORE WSO ARPT	R 100	7/ 4	6	12/ 7	3/ 5	16	3/ 5	16	3/23	24	4/ 7	26	4/ 7	26	11/ 1	32	11/ 3	28	11/28	22	12/ 3	17	12/ 4	15	274	273	250	210	208
BELTSVILLE	98	8/14	7	12/ 7	3/ 5	14	3/ 5	14	3/23	22	4/ 7	25	4/ 8	29	11/ 1	31	11/ 3	28	12/ 2	23	12/ 4	16	12/ 4	16	274	274	254	210	207
DALECARLIA RESERVOIR	101	8/ 2	10	12/ 7	3/ 5	16	3/ 5	16	4/ 7	24	4/ 7	24	4/ 7	24	11/ 1	31	11/19	27	11/29	24	12/ 4	16	12/ 4	16	274	274	236	226	208
GLENN DALE BELL STN	100	8/ 3	2	12/ 8	3/ 5	10	3/23	17	4/ 7	22	4/ 7	22	5/22	31	11/ 1	29	11/ 3	25	11/28	16	11/28	16	11/28	16	268	250	235	210	163
LAUREL 3 W	100	7/ 4	11	1/ 1	3/ 5	15	3/ 5	15	3/ 5	15	4/ 6	27	4/ 7	29	11/ 1	32	11/28	24	11/28	24	12/ 3	18	NONE			273	268	236	208
MD SCI CTR BALTIMORE	R 101	7/ 4	20	12/ 7	NONE		3/ 5	20	3/ 5	20	3/23	28	3/23	28	11/27	32	12/ 1	28	12/ 3	23	12/ 7	20	NONE			277	273	253	249
NATIONAL ARBORETUM DC					MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG						
UPPER MARLBORO 3 NNW	101	7/ 5	5	12/ 7	3/ 6	15	3/23	20	4/ 7	24	4/ 7	24	4/ 8	29	11/ 1	32	11/ 3	28	11/28	21	11/29	20	12/ 4	14	273	251	235	210	207
NORTHERN EASTERN SHORE 05																													
CHESTERTOWN	104	7/ 4	7	12/ 7	3/ 5	14	3/ 5	14	3/22	21	4/ 7	25	4/ 7	25	10/22	31	11/ 1	27	11/29	21	12/ 4	14	12/ 4	14	274	274	252	208	198
NORTHERN CENTRAL																													
ABERDEEN PHILLIPS FLD	99	8/14			MSG		MSG		MSG		MSG		4/ 5	32	MSG		MSG		MSG		MSG		MSG						
CATOCTIN MOUNTAIN PARK	93	8/ 2	10	3/ 5	3/22	14	3/23	20	4/ 7	24	4/ 7	24	4/23	30	10/23	28	10/23	28	11/28	18	11/28	18	12/ 3	12	256	250	235	199	183
CLARKSVILLE 3 NNE	101	7/ 4			3/ 5	11	4/ 7	20	4/ 7	20	4/ 7	20	5/22	31	10/31	31	11/ 1	28	11/28	22	12/ 1	20	12/ 3	12	273	238	235	208	162
CONOWINGO DAM	104	8/ 2	10	12/ 7	NONE		3/ 7	20	3/22	21	4/ 7	26	4/ 8	29	11/ 4	32	11/19	27	11/29	24	12/ 4	17	12/ 7	10		272	252	226	210
DAMASCUS 3 SSW	95	8/14	9	1/ 1	3/ 5	11	3/22	19	4/ 7	24	4/ 7	24	4/ 7	24	11/ 1	30	11/ 3	28	11/28	20	11/28	20	12/ 3	15	273	251	235	210	208
EMMITSBURG 2 SE	98	8/ 2	5	12/10	3/ 5	11	4/ 7	20	4/ 7	20	4/ 7	20	5/22	31	10/22	31	11/ 3	25	11/28	20	11/28	20	12/ 4	11	274	235	235	210	153
FREDERICK POLICE BRKS					3/ 5	14	3/ 5	14	3/23	24	4/ 7	27	4/ 7	27	MSG		MSG		MSG		MSG		MSG						
MILLERS 4 NE	97	8/13	6	12/ 7	3/ 5	9	3/23	19	4/ 7	24	4/ 7	24	4/24	31	10/22	32	11/19	27	11/28	20	11/28	20	12/ 3	16	273	250	235	226	181
ROCKVILLE 1 NE	98	8/13	8	12/ 7	3/ 5	13	3/ 5	13	3/23	24	4/ 7	27	4/ 7	27	11/ 1	31	11/19	27	11/28	24	12/ 3	17	12/ 4	14	274	273	250	226	208
SMITHSBURG 2 NW	102	7/ 5	0	12/ 7	3/11	15	4/ 7	17	4/ 7	17	4/24	28	5/22	31	10/18	32	11/ 3	27	11/28	17	11/28	17	12/ 3	16	267	235	235	193	149
APPALACHIAN MOUNTAIN 07																													
CUMBERLAND 2	99	7/ 4	7	12/ 7	3/ 5	15	3/22	19	4/ 7	22	4/ 7	22	5/22	32	10/18	32	11/ 2	27	11/27	23	11/28	17	12/ 2	16	272	251	234	209	149
CUMBERLAND POLICE BRK	95	8/ 3	4	12/ 7	3/ 5	12	4/ 7	19	4/ 7	19	4/24	28	5/22	29	10/15	32	11/ 3	26	11/28	23	12/ 3	15	12/ 3	15	273	240	235	193	146
FROSTBURG 2	90	8/ 3	4	12/10	3/23	11	4/ 7	19	4/ 7	19	4/24	28	5/23	32	10/18	30	10/30	28	11/27	24	11/28	17	12/ 3	10	255	235	234	189	148
HAGERSTOWN POLICE BRK	96	7/ 4	3	12/ 7	3/ 5	10	3/23	20	4/ 7	24	4/ 7	24	5/22	32	10/18	32	11/ 3	28	11/28	19	11/28	19	12/ 4	12	274	250	235	210	149
SHARPSBURG 5 S	97	8/15	4	12/ 8	3/ 6	14	3/23	20	4/ 7	23	4/ 7	23	5/23	30	10/18	31	11/ 2	25	11/28	18	11/28	18	12/ 4	10	273	250	235	209	148
ALLEGHENY PLATEAU 08																													
OAKLAND 1 SE	88	8/14	-1	12/ 4	4/ 7	16	4/ 7	16	5/22	24	5/22	24	5/23	30	10/ 8	30	11/ 2	24	11/ 2	24	11/28	16	11/28	16	235	235	164	164	138
SAVAGE RIVER DAM	99	8/ 3	6	12/ 4	3/23	16	3/23	16	4/ 7	22	4/ 7	22	5/22	30	11/ 2	30	11/ 3	28	11/28	19	11/28	19	12/ 3	15	255	250	235	210	164
DELAWARE																													
NORTHERN																													
NEWARK UNIVERSITY FARM			9	12/ 7	3/ 5	16	3/22	20	4/ 7	24	4/ 7	24	4/24	32	11/ 1	30	11/ 5	28	11/28	20	11/28	20	12/ 4	14	274	251	235	212	191
WILM																													

TEMPERATURE EXTREMES AND FREEZE DATA (°F)

STATION	HIGHEST	DATE	LOWEST	DATE	LAST SPRING MINIMUM OF										FIRST FALL MINIMUM OF										NUMBER OF DAYS BETWEEN DATES				
					16° OR BELOW		20° OR BELOW		24° OR BELOW		28° OR BELOW		32° OR BELOW		32° OR BELOW		28° OR BELOW		24° OR BELOW		20° OR BELOW		16° OR BELOW		16° OR BELOW	20° OR BELOW	24° OR BELOW	28° OR BELOW	32° OR BELOW
					DATE	TEMP	DATE	TEMP	DATE	TEMP	DATE	TEMP	DATE	TEMP	DATE	TEMP	DATE	TEMP	DATE	TEMP	DATE	TEMP	DATE	TEMP					
WILMINGTON PORTER RSVR SOUTHERN 02	97	8/14	15	12/ 7	NONE		3/ 5	17	3/22	22	4/ 7	28	4/ 7	28	11/ 2	32	11/27	28	11/28	24	12/ 3	19	12/ 7	15		273	251	234	209
DOVER	96	7/ 4	16	12/ 9	NONE		3/ 5	17	3/22	23	3/23	26	4/ 7	29	11/ 2	32	11/19	28	11/28	24	12/ 4	18	12/ 7	16		274	251	241	209
GREENWOOD 2 NE	100	7/ 5	12	12/ 7	3/ 5	16	3/ 5	16	4/ 6	22	4/ 7	26	4/ 7	26	11/ 1	32	11/19	28	11/28	24	12/ 4	16	12/ 4	16	274	274	236	226	208
LEWES	98	8/14	18	1/ 1	NONE		3/ 5	19	3/ 5	19	3/23	25	4/ 7	32	11/19	31	11/28	28	11/29	24	12/ 4	19	NONE			274	269	250	226
MILFORD 2 SE	100	7/ 5	12	12/ 7	MSG		MSG		MSG		4/ 7	28	4/ 7	28	11/ 1	32	11/19	28	11/29	24	12/ 4	17	12/ 7	12				226	208

MONTHLY AND SEASONAL COOLING DEGREE DAYS

BASE = 65 DEGREES FAHRENHEIT

MARYLAND AND DELAWARE
2002

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	SEASONAL NORM
MARYLAND														
SOUTHERN EASTERN SHORE 01														
ASSATEAGUE	0	0	0	33	69	255	424	405	282	108	0	0	1576	1066
PRINCESS ANNE	-	-	-	B 78	-	-	-	-	-	-	-	-	-	1092
SALISBURY	1	0	4	88	119	325	488	456	237	81	5	0	1804	1246
SALISBURY POLICE BRKS	2	0	2	105	161	373	526	495	243	74	6	0	1987	
SALISBURY FAA ARPT	0	0	0	63	57	206	349	348	138	45	0	0	1206	1155
SNOW HILL 4 N	0	0	3	69	105	300	422	386	186	74	6	0	1551	1194
CENTRAL EASTERN SHORE 02														
ROYAL OAK 2 SSW	0	0	0	69	118	324	480	483	244	72	1	0	1791	1392
VIENNA	0	0	0	79	114	340	503	483	211	76	3	0	1809	1274
LOWER SOUTHERN MECHANICSVILLE 5 NE 03														
OXON HILL	3	0	0	77	90	267	399	414	152	52	1	0	1455	1093
SOLOMONS	-	-	-	-	-	312	467	478	199	54	1	0	-	
UPPER SOUTHERN 04														
ANNAPOLIS POLICE BRKS	0	0	2	73	86	B 347	490	475	319	74	B 0	0	B1866	1162
BALTIMORE WSO ARPT R	0	0	0	59	75	275	430	425	154	43	0	0	1461	1147
BELTSVILLE	0	0	0	57	64	271	410	423	155	43	2	0	1425	1109
DALECARLIA RESERVOIR	0	0	5	81	124	354	515	485	214	68	3	0	1849	1258
GLENN DALE BELL STN	0	0	1	63	64	264	427	413	137	38	2	0	1409	917
LAUREL 3 W	0	0	0	76	81	304	453	457	203	56	0	0	1630	1271
MD SCI CTR BALTIMORE R	0	0	0	78	109	B 349	521	496	258	63	1	0	B1875	
NATIONAL ARBORETUM DC	-	-	-	-	-	-	-	-	-	-	-	B 0	-	1243
UPPER MARLBORO 3 NNW	0	0	0	67	71	286	431	437	165	48	2	0	1507	1002
NORTHERN EASTERN SHORE 05														
CHESTERTOWN	0	0	0	65	90	290	442	448	161	47	0	0	1543	1183
NORTHERN CENTRAL 06														
ABERDEEN PHILLIPS FLD	-	B 0	-	B 72	B 90	-	464	B 437	-	B 55	-	-	-	1153
CATOCTIN MOUNTAIN PARK	0	0	0	63	39	188	308	298	106	25	0	0	1027	733
CLARKSVILLE 3 NNE	-	0	0	52	65	226	373	191	127	34	0	0	-	898
CONOWINGO DAM	0	0	B 0	57	58	281	462	446	212	44	B 0	0	B1560	1068
DAMASCUS 3 SSW	0	0	B 0	53	42	196	330	341	115	29	0	0	B1106	
EMMITSBURG 2 SE	0	B 0	0	45	53	209	363	338	105	36	1	0	B1150	918
FREDERICK POLICE BRKS	0	0	1	75	87	288	-	-	-	-	-	-	-	1272
MILLERS 4 NE	0	0	0	52	47	200	352	359	121	35	0	0	1166	790
ROCKVILLE 1 NE	0	0	1	67	88	277	413	405	162	42	0	0	1455	983
SMITHSBURG 2 NW	0	0	0	47	46	277	412	398	138	37	1	0	1356	
APPALACHIAN MOUNTAIN 07														
CUMBERLAND 2	0	0	0	49	64	239	372	321	167	34	0	0	1246	877
CUMBERLAND POLICE BRK	0	0	0	45	46	191	334	280	125	24	0	0	1045	
FROSTBURG 2	0	0	0	28	9	104	191	184	39	11	0	0	566	344
HAGERSTOWN POLICE BRK	0	0	2	54	68	222	391	363	157	36	1	0	1294	
SHARPSBURG 5 S	0	0	0	48	45	204	330	317	115	32	1	0	1092	
ALLEGHENY PLATEAU 08														
OAKLAND 1 SE	0	0	0	8	14	95	206	144	49	8	0	0	524	316
SAVAGE RIVER DAM	0	0	0	19	13	147	303	235	65	12	0	0	794	414
DELAWARE														
NORTHERN 01														
NEWARK UNIVERSITY FARM	0	0	0	64	64	259	440	-	183	55	1	0	-	1047
WILMINGTON WSO ARPT R	0	0	0	51	53	219	397	405	147	39	0	0	1311	1125
WILMINGTON PORTER RSVR	0	0	0	58	49	220	390	397	147	35	0	0	1296	930
SOUTHERN 02														
DOVER	0	0	1	76	86	284	437	436	190	63	2	0	1575	1262

Heating Degree Days data found in July issue of Climatological Data

MARYLAND AND DELAWARE
2002

Heating Degree Days data found in July issue of Climatological Data

MARYLAND AND DELAWARE
2002

TOTAL EVAPORATION AND WIND MOVEMENT

STATION		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MARYLAND														
UPPER SOUTHERN	04													
BELTSVILLE														
	WIND	-	-	-	2090	1884	B 1475	B 1450	B 1505	B 1382	B 1239	-	-	-
	EVAP	-	-	-	5.03	B 6.19	B 7.09	B 8.30	B 8.30	B 5.27	B 2.82	-	-	-
	MAX TEMP	-	-	-	-	-	-	-	M -	M -	M -	-	-	-
	MIN TEMP	-	-	-	-	-	-	-	M -	M -	M -	-	-	-
UPPER MARLBORO 3 NNW	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-
	EVAP	-	-	-	B 4.85	B 6.09	B 7.16	7.69	B 7.09	B 4.91	B 3.17	-	-	-
	MAX TEMP	-	-	-	74.3	82.5	92.1	93.6	92.6	84.4	68.2	-	-	M -
	MIN TEMP	-	-	-	48.6	52.7	64.6	68.3	68.2	61.8	50.4	-	-	M -
ALLEGHENY PLATEAU	08													
SAVAGE RIVER DAM														
	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-
	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-
	MAX TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-
DELAWARE														
NORTHERN	01													
NEWARK UNIVERSITY FARM														
	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-
	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-
	MAX TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-

STATION INDEX

STATION	INDEX NO.	DIVISION NO.	COUNTY	LATITUDE	LONGITUDE	ELEVATION FEET	YEARS OF RECORD			OPENED OR CLOSED DURING YR		SEE REFERENCE NOTES
							TEMP.	PRECIP.	EVAP.	MONTH OPENED	MONTH CLOSED	
MARYLAND												
ABERDEEN PHILLIPS FLD	0015	06	HARFORD	39 28	76 10W	57	78	78	0			C H
ANNAPOLIS POLICE BRKS	0193	04	ANNE ARUNDEL	39 0	76 30W	25	45	45	0			H
ASSATEAGUE	0335	01	WORCESTER	38 4	75 13W	10	36	36	0			H
BALTIMORE WSO ARPT R	0465	04	ANNE ARUNDEL	39 10	76 41W	148	69	69	0			C HJ
BELTSVILLE	0700	04	PRINCE GEORG	39 2	76 56W	145	65	65	62			C H
CATOCTIN MOUNTAIN PARK	1530	06	FREDERICK	39 39	77 29W	1610	37	37	0			H
CHESTERTOWN	1750	05	KENT	39 13	76 3W	40	98	98	0			H
CLARKSVILLE 3 NNE	1862	06	HOWARD	39 15	76 56W	370	35	35	0			H
CONOWINGO DAM	2060	06	HARFORD	39 39	76 11W	40	68	68	0			H
CUMBERLAND 2	2282	07	ALLEGANY	39 39	78 45W	730	31	31	0			H
CUMBERLAND POLICE BRK	2285	07	ALLEGANY	39 38	78 50W	970	37	37	0			H
DALECARLIA RESERVOIR	2325	04	DISTRICT OF	38 56	77 7W	150	58	58	0			H
DAMASCUS 3 SSW	2336	06	MONTGOMERY	39 16	77 14W	697	10	10	0			H
EMMITSBURG 2 SE	2906	06	FREDERICK	39 41	77 17W	416	48	48	0			H
FREDERICK POLICE BRKS	3348	06	FREDERICK	39 25	77 26W	380	31	31	0			H
FROSTBURG 2	3415	07	ALLEGANY	39 40	78 56W	2170	32	32	0			H
GLENN DALE BELL STN	3675	04	PRINCE GEORG	38 58	76 48W	150	83	83	0			H
HAGERSTOWN POLICE BRK	3980	07	WASHINGTON	39 37	77 44W	560	6	6	0			H
LAUREL 3 W	5111	04	PRINCE GEORG	39 5	76 54W	400	113	113	0			H
MD SCI CTR BALTIMORE R	5718	04	BALTIMORE (C	39 17	76 37W	20	4	4	0			C H
MECHANICSVILLE 5 NE	5865	03	ST. MARY'S	38 28	76 42W	100	42	42	0			H
MILLERS 4 NE	5934	06	CARROLL	39 43	76 48W	860	17	17	0			C H
NATIONAL ARBORETUM DC	6350	04	DISTRICT OF	38 55	76 58W	50	56	56	0			H
OAKLAND 1 SE	6620	08	GARRETT	39 24	79 24W	2420	106	106	0			H
OXON HILL	6800	03	PRINCE GEORG	38 48	77 0W	120	2	2	0			H
POTOMAC FILTER PLANT	7272	06	MONTGOMERY	39 2	77 15W	270	0	42	0			H
PRINCESS ANNE	7330	01	SOMERSET	38 13	75 41W	20	55	55	0			H
ROCKVILLE 1 NE	7705	06	MONTGOMERY	39 6	77 9W	440	56	56	0			H
ROYAL OAK 2 SSW	7806	02	TALBOT	38 43	76 11W	10	56	56	0			H
SALISBURY	8000	01	WICOMICO	38 22	75 35W	10	97	97	0			H
SALISBURY POLICE BRKS	8003	01	WICOMICO	38 25	75 34W	40	2	2	0			H
SALISBURY FAA ARPT #	8005	01	WICOMICO	38 20	75 31W	48	56	56	0			H
SAVAGE RIVER DAM	8065	08	GARRETT	39 31	79 8W	1495	53	56	53			C H
SHARPSBURG 5 S	8207	07	WASHINGTON	39 24	77 43W	500	5	5	0			H
SMITHSBURG 2 NW	8371	06	WASHINGTON	39 40	77 35W	670	2	2	0			H
SNOW HILL 4 N	8380	01	WORCESTER	38 14	75 23W	30	88	88	0			H
SOLOMONS	8405	03	CALVERT	38 19	76 27W	12	94	94	0	JULY		H
UPPER MARLBORO 3 NNW	9070	04	PRINCE GEORG	38 52	76 47W	100	46	46	46			H
VIENNA	9140	02	DORCHESTER	38 29	75 49W	10	55	55	0			H
DELAWARE												
DOVER	2730	02	KENT	39 16	75 31W	30	116	115	0			H
GREENWOOD 2 NE	3595	02	SUSSEX	38 49	75 35W	45	19	19	0			H
LEWES	5320	02	SUSSEX	38 47	75 8W	15	60	60	0			H
MILFORD 2 SE	5915	02	SUSSEX	38 54	75 26W	35	98	98	0			H
NEWARK UNIVERSITY FARM	6410	01	NEW CASTLE	39 40	75 45W	90	90	90	46			C H
WILMINGTON WSO ARPT R	9595	01	NEW CASTLE	39 40	75 36W	74	56	56	0			C HJ
WILMINGTON PORTER RSVR	9605	01	NEW CASTLE	39 46	75 32W	270	92	92	0			H

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.

TEMPERATURE EXTREMES AND FREEZE DATA: Spring minimum dates are obtained from data for January through June; Fall dates are from July through December data. "NONE" indicates temperature threshold not reached. "MSG" indicates available data insufficient to determine date.

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.

SOIL TEMPERATURE EXTREMES: The highest and lowest Max and Min temperature for each month and the year.

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 DATA TABLES

- No record. Data not recorded, determined unreliable by quality control checks, or not received in time for publication.
- * Rain gage not read. Precipitation is included in the amount following asterisks. Time distribution not known.
- // 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 monthly bulletins to determine date of last reading. (Hawaii stations)
- B Estimated total value for wind, evaporation, or cooling degree days.
- 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.
- R Amounts from recording rain gage.
- T Trace. An amount too small to measure.
- V Includes total for previous month(s). (See * above)
- Z Same as M but the Z has overprinted a negative sign or leading digit (e.g., Z14.6 = M-14.6, Z08.2 = M108.2)

SYMBOLS AND LETTERS USED IN THE STATION INDEX TABLE

- # Thermometers located in rooftop shelter.
- C Station is equipped with a 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 "Soil Temperatures" table.
- H Observations appear in "Snowfall and Snow on the Ground" table in monthly "Climatological Data" publication.
- J Station also published as a "Local Climatological Data" bulletin.

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 "Climatological Data".

Cooling degree days for the calendar year are published in the "Climatological Data Annual Summary".

Additional precipitation data are contained in the "Hourly Precipitation Data" bulletin for each state, except Alaska.

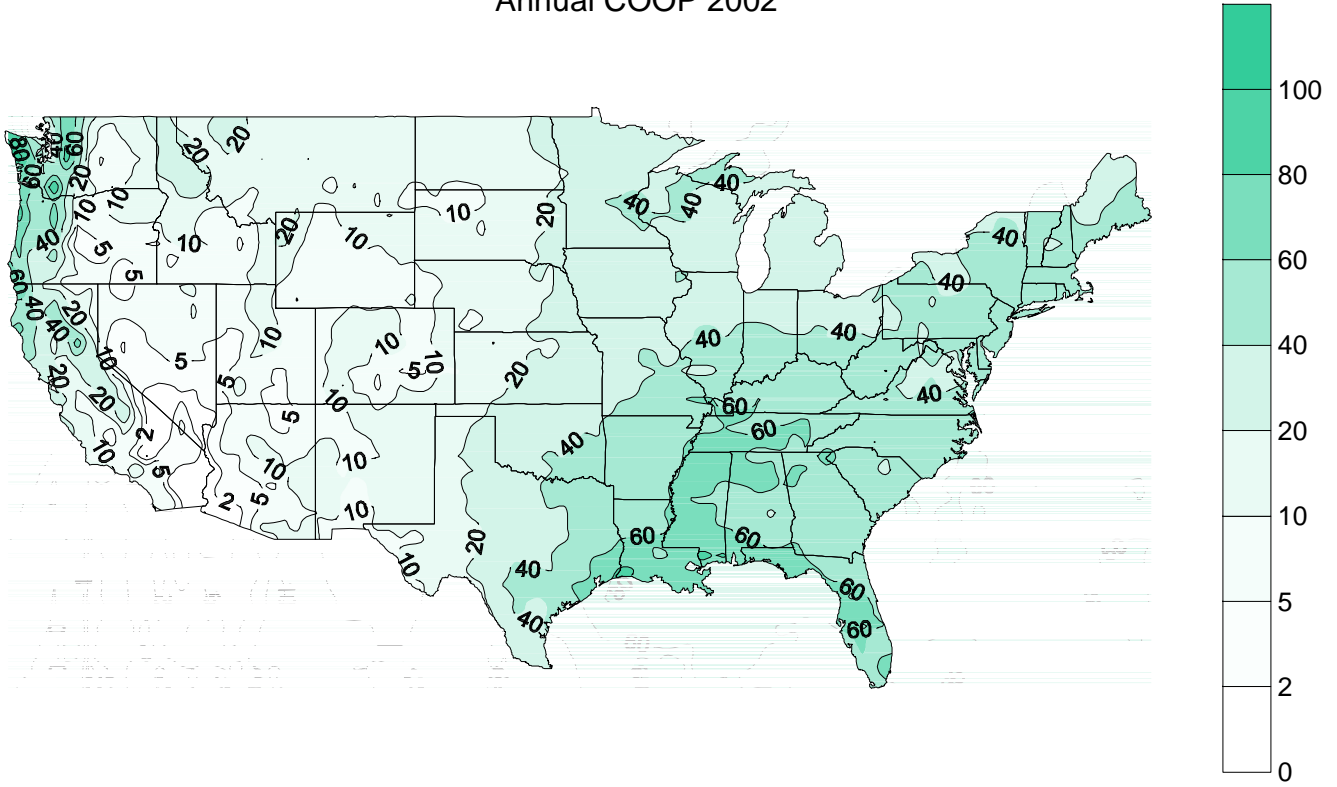
Information concerning the history of changes in locations, exposure, etc. of substations is kept on file at the National Climatic Data Center. Similar historical information of regular National Weather Service Offices is available from the "Local Climatological Data" annual bulletin.

Additional information regarding the climate of this state may be obtained by writing to the address below or to any weather service office near you. 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.

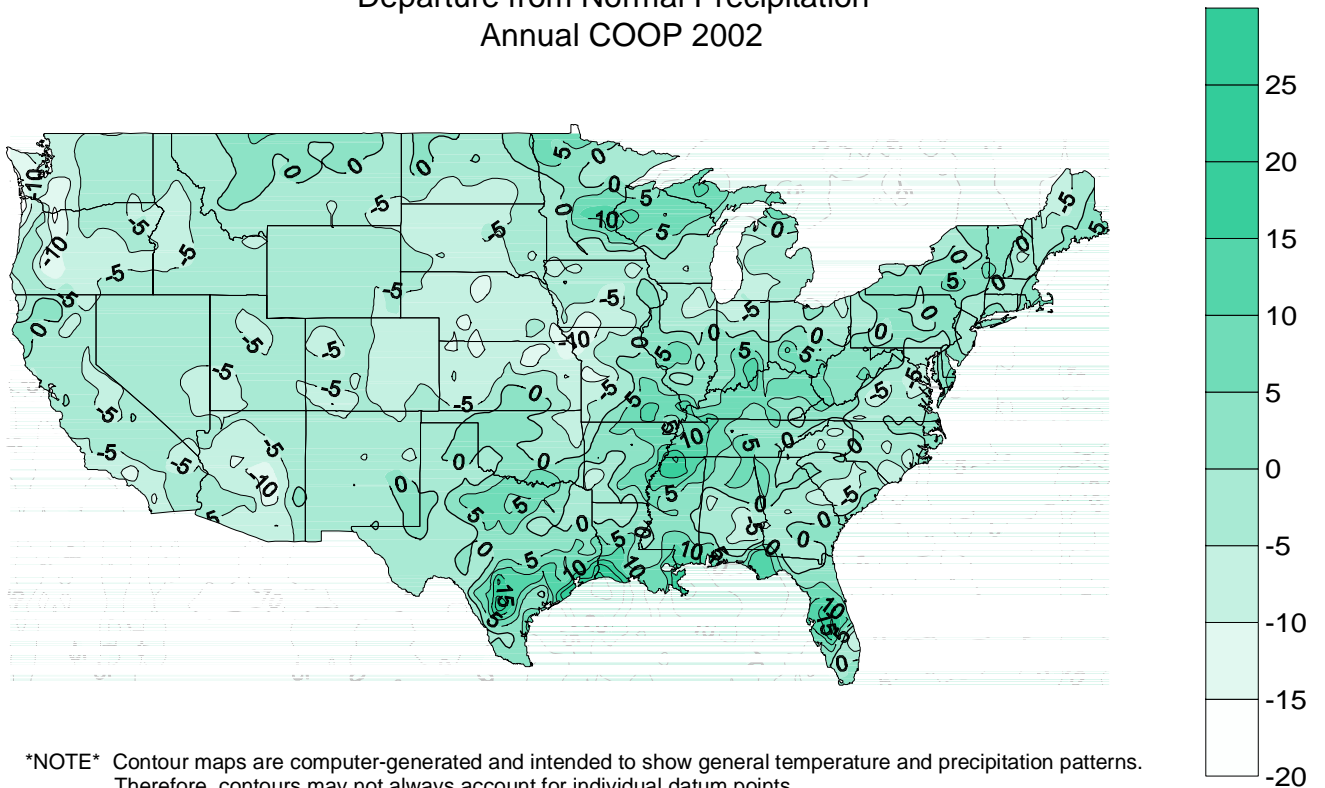
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Total Precipitation (Inches)
Annual COOP 2002



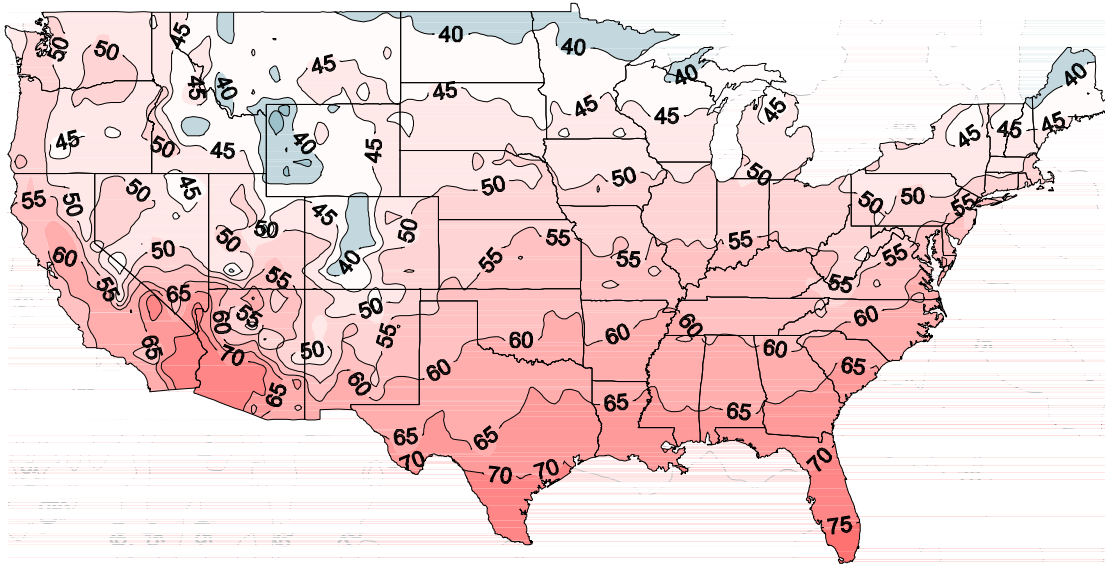
Departure from Normal Precipitation
Annual COOP 2002



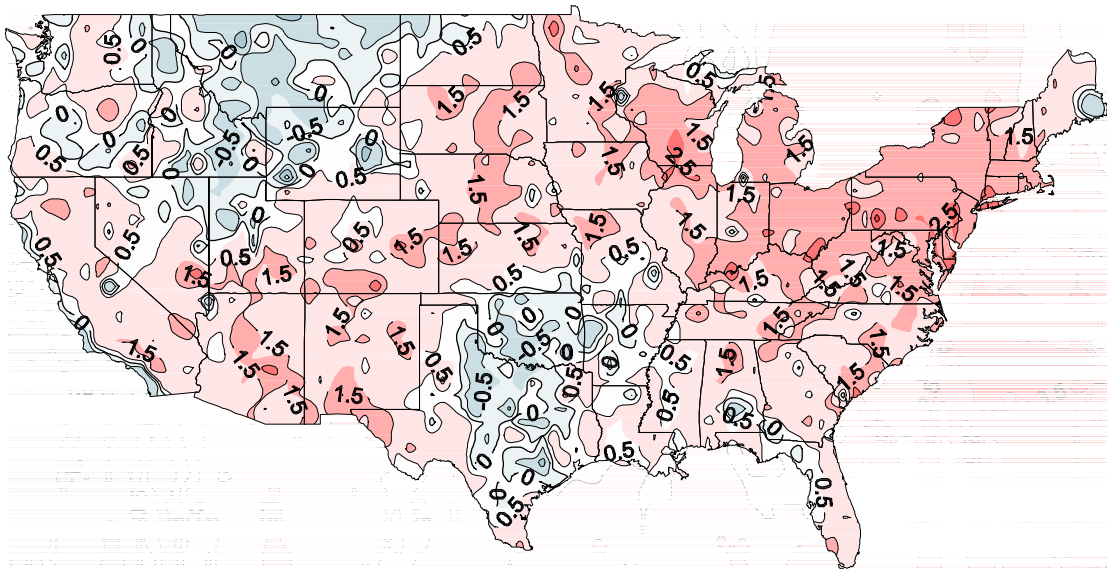
NOTE Contour maps are computer-generated and intended to show general temperature and precipitation patterns. Therefore, contours may not always account for individual datum points.

National Climatic Data Center, NOAA

Average Temperature (Degrees F)
Annual COOP 2002



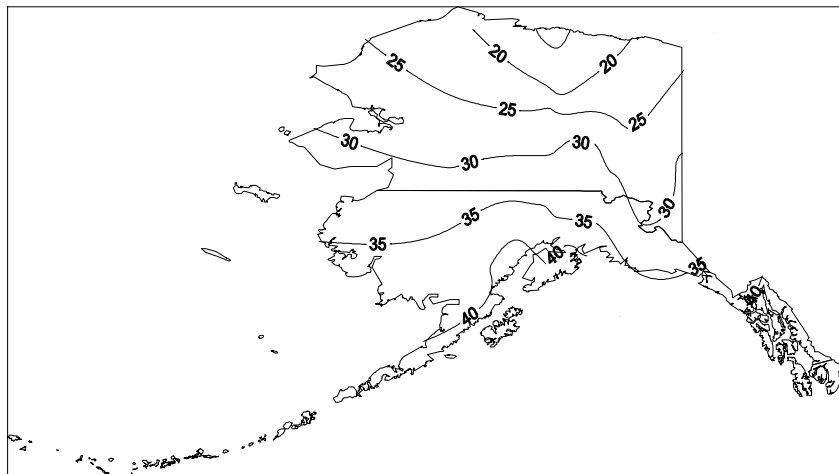
Departure of Average Temperature from Normal (Degrees F)
Annual COOP 2002



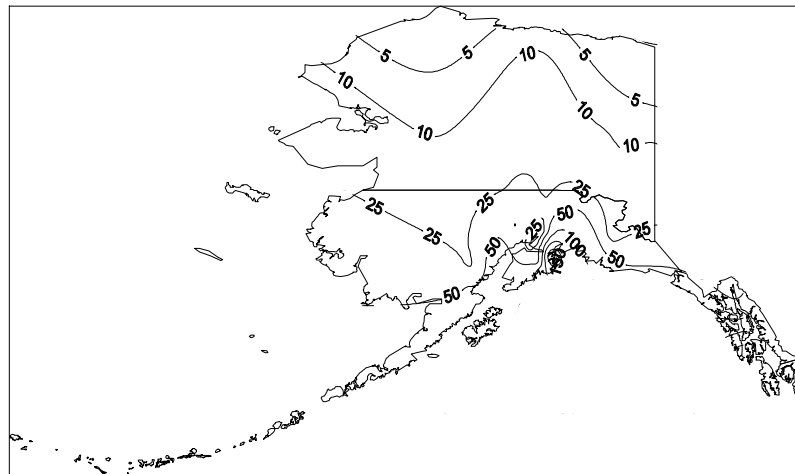
NOTE Contour maps are computer-generated and intended to show general temperature and precipitation patterns. Therefore, contours may not always account for individual datum points.

National Climatic Data Center, NOAA

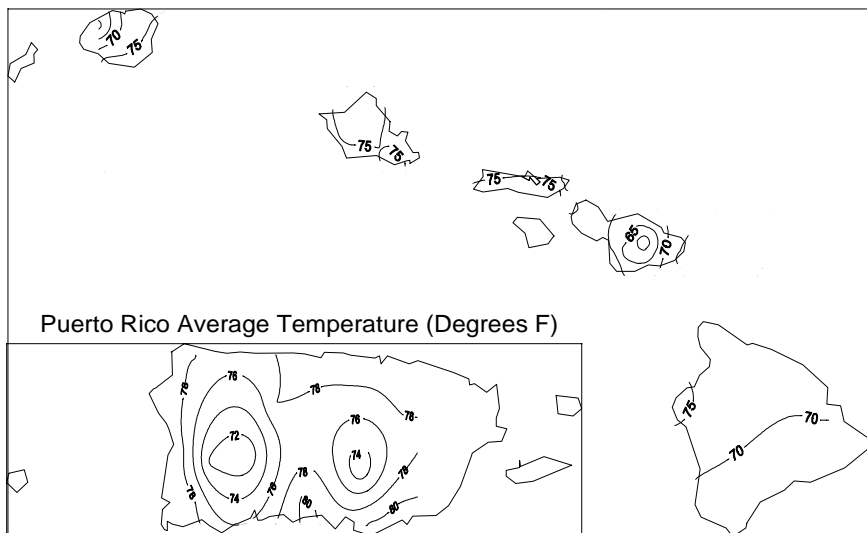
Alaska Average Temperature (Degrees F)
Annual 2002



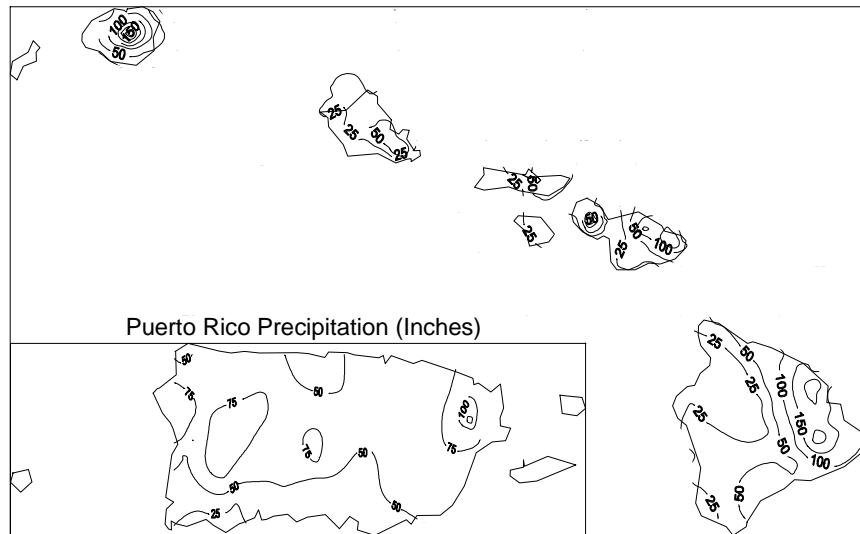
Alaska Precipitation (Inches)
Annual 2002



Hawaii Average Temperature (Degrees F)
Annual 2002



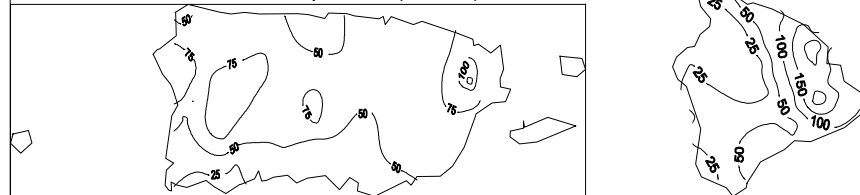
Hawaii Precipitation (Inches)
Annual 2002

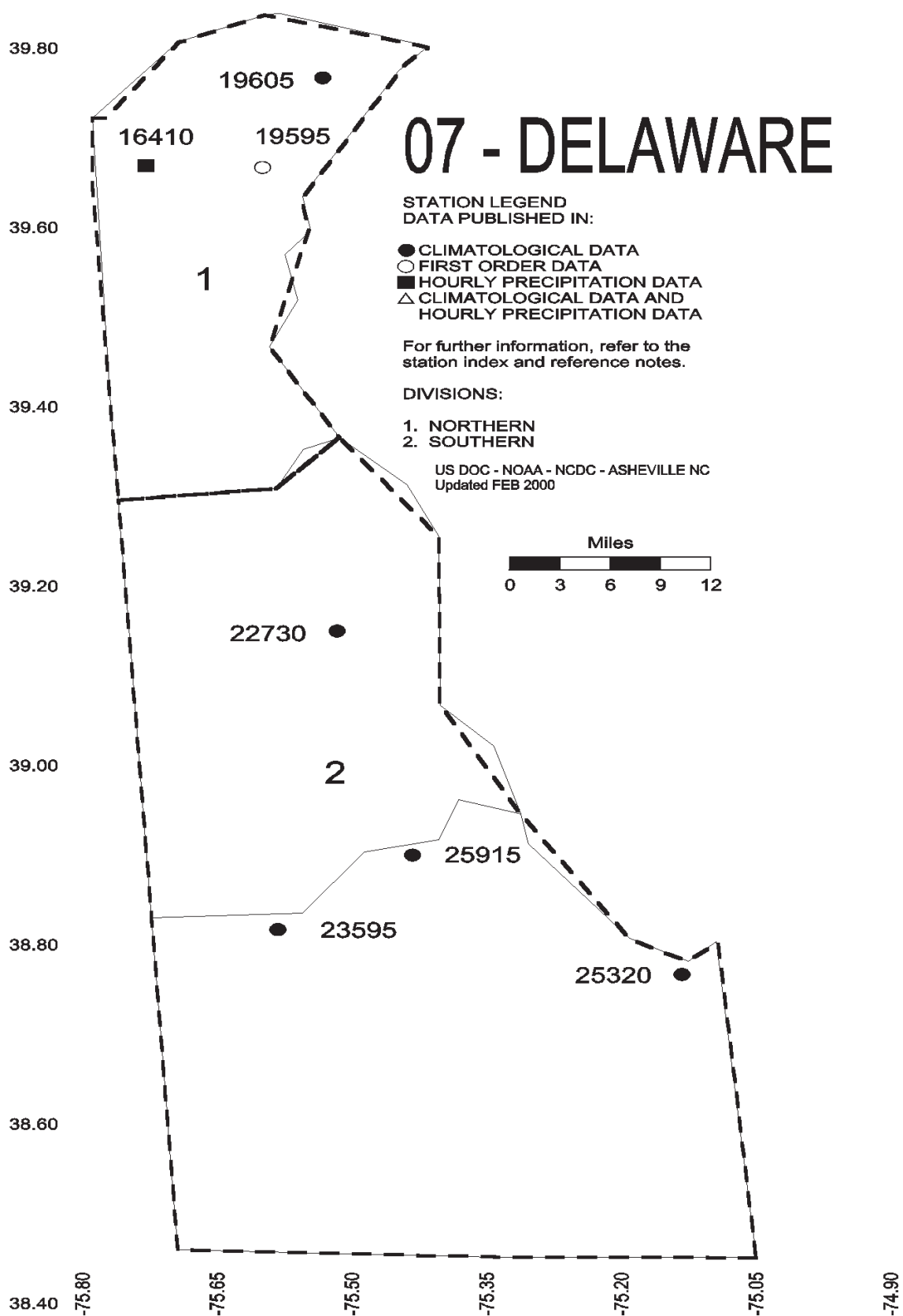


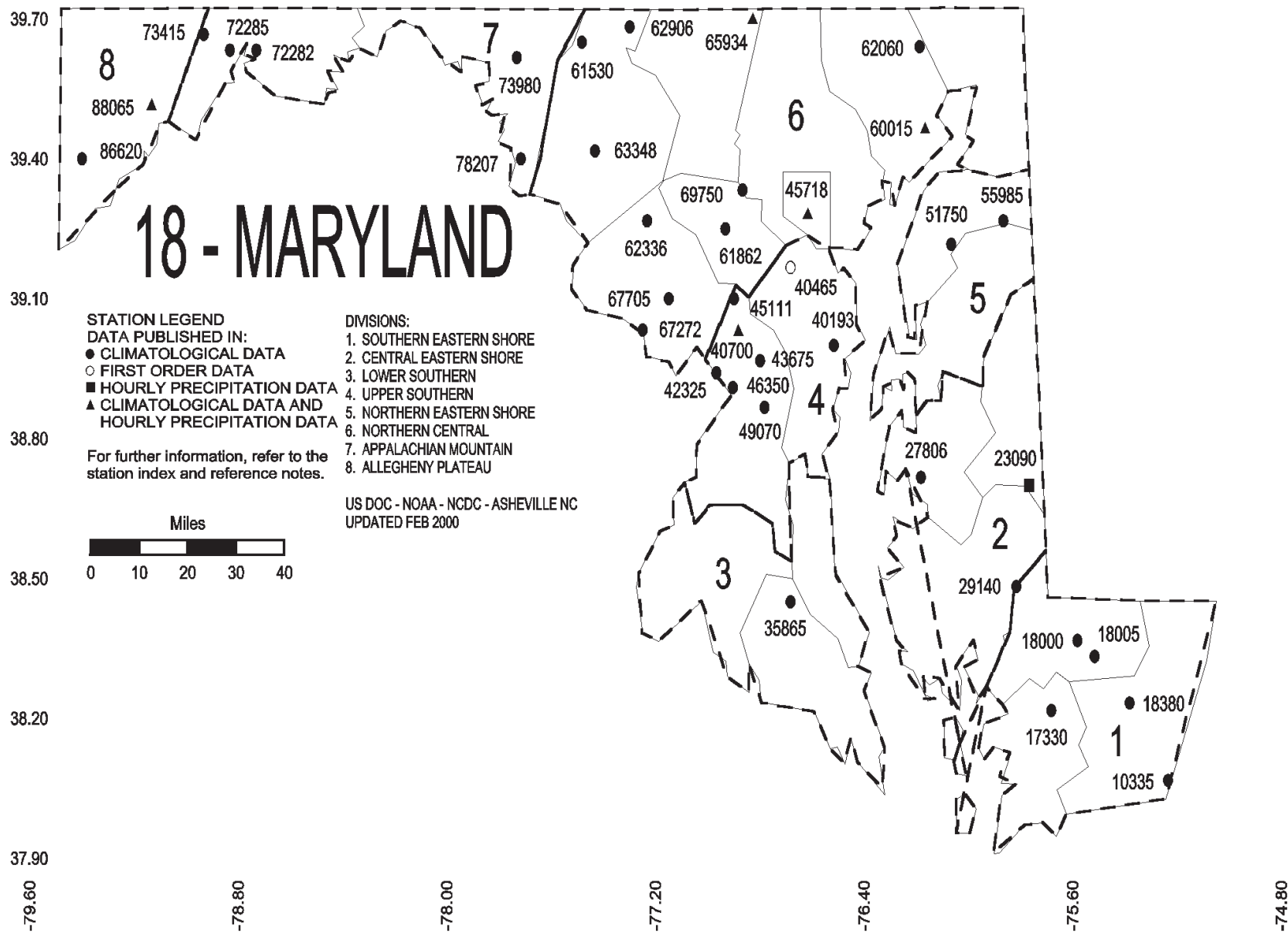
Puerto Rico Average Temperature (Degrees F)



Puerto Rico Precipitation (Inches)







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