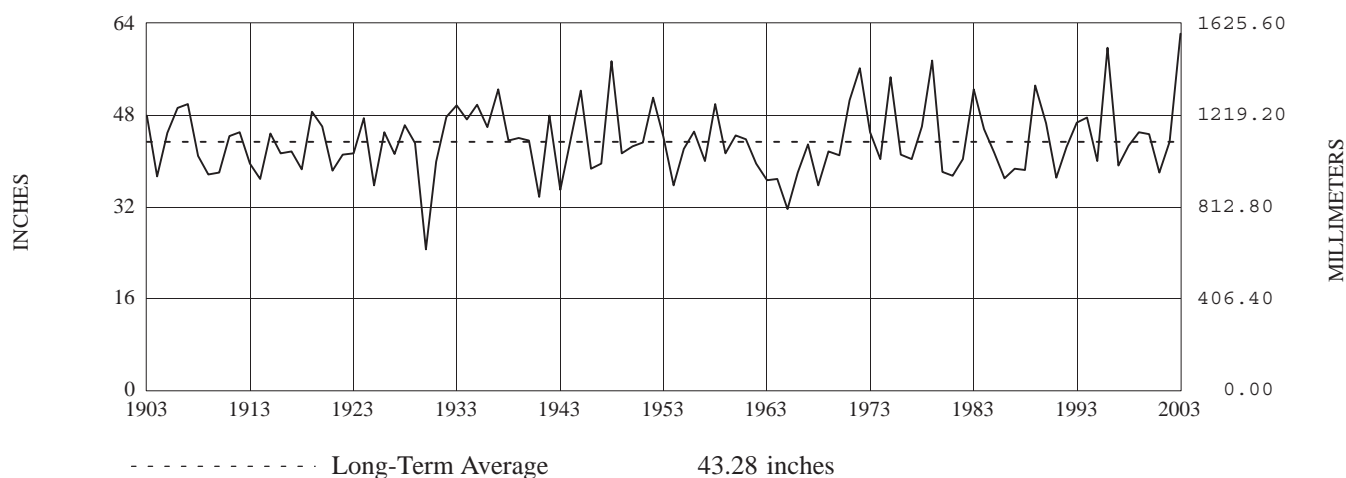


CLIMATOLOGICAL DATA ANNUAL SUMMARY

MARYLAND AND
DELAWARE
2003

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MARYLAND AND DELAWARE PRECIPITATION, 1903-2003

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National
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 1.16		M 6.43		6.45	2.19	5.24	1.99	5.22	1.62	M 3.53	
PRINCESS ANNE	M .26		5.47	2.53	M 2.78		3.70	.47	5.20	1.79		.91
SALISBURY	M 1.21		6.26	2.81	4.94	.39	3.68	.34	4.34	.67	5.87	2.25
SALISBURY POLICE BRKS	M 1.51		5.35		3.84		3.53		5.01		5.33	
SALISBURY FAA ARPT	1.38	-2.71	6.24	2.68	4.87	.25	3.94	.53	4.73	.86	4.15	.58
SNOW HILL 4 N	1.87	-2.15	5.37	1.96	4.88	.21	4.46	1.22	5.29	1.65	4.26	.83
--DIVISIONAL DATA----->	1.63	-2.01	5.74	2.31	5.00	.88	4.09	.92	4.97	1.51	4.73	1.34
CENTRAL EASTERN SHORE 02												
ROYAL OAK 2 SSW	M 1.91		8.11	4.76	3.58	-.86	3.22	-.28	6.91	2.78	7.28	3.81
VIENNA	M 1.15		M 6.69		4.47	.40	2.87	-.46	6.83	3.31	6.48	2.76
--DIVISIONAL DATA----->			8.11	4.85	4.03	.29	3.05	-.30	6.87	2.92	6.88	3.23
LOWER SOUTHERN 03												
MECHANICSVILLE 5 NE	1.71	-2.28	7.41	4.04	5.36	.73	2.96	-.53	6.80	2.58	6.13	1.86
OXON HILL	2.86		7.64		4.41		2.31		7.52		8.60	
SOLOMONS	1.63		M 6.42		4.02		3.35		M 7.55		4.56	
--DIVISIONAL DATA----->	2.07	-1.21	7.53	4.49	4.60	.91	2.87	-.32	7.16	3.08	6.43	2.71
UPPER SOUTHERN 04												
ANNAPOLIS POLICE BRKS	M 2.80		5.86	2.91	6.15	1.98	3.19	-.15	4.81	.39	8.76	5.20
BALTIMORE WASH INTL AP R	2.59	-.88	6.70	3.68	4.17	.24	2.40	-.60	6.81	2.92	6.96	3.53
BELTSVILLE	M 2.44		M 6.30		4.06	.19	2.50	-.83	6.88	2.34	7.29	3.70
DALECARLIA RESERVOIR	M 2.63		8.50	5.49	4.16	.03	2.78	-.76	M 7.59		M 10.80	
GLENN DALE BELL STN	M 2.72		M 7.39		3.81	-.14	M 2.57		7.39	2.90	7.72	7.07
LAUREL 3 W	3.14	-.38	6.28	3.27	3.72	-.45	2.85	-.76	6.20	2.64	6.98	3.80
MD SCI CTR BALTIMORE R	2.79		4.95		4.41		2.73		8.24	3.95	9.52	5.89
NATIONAL ARBORETUM DC	2.77	-.80	8.12	5.28	4.36	.44	2.90	-.36	5.98	1.67	M 7.94	
UPPER MARLBORO 3 NNW	2.58	-.91	6.33	3.57	3.40	-.50	2.75	-.53	6.74	2.52	8.29	4.59
--DIVISIONAL DATA----->	2.77	-.28	6.68	3.74	4.25	.84	2.76	-.56				
NORTHERN EASTERN SHORE 05												
CHESTERTOWN	2.16	-1.40	6.54	3.51	5.12	.96	3.15	-.19	6.34	2.25	8.20	3.94
--DIVISIONAL DATA----->	2.16	-1.11	6.54	3.50	5.12	1.57	3.15	-.13	6.34	2.33	8.20	4.21
NORTHERN CENTRAL 06												
ABERDEEN PHILLIPS FLD	1.84	-1.57	6.22	3.62	M 4.43		3.04	-.32	5.78	1.37	M 8.22	
CATOCTIN MOUNTAIN PARK	4.00	.05	M 6.87		3.70	-.62	M 2.59		10.55	5.41	8.28	3.67
CLARKSVILLE 3 NNE	M		M		M							
CONOWINGO DAM	M 1.67		M 4.43		4.41	.25	3.00	-.65	4.55	-.03	M	
CYLBURN												
DAMASCUS 3 SSW	M 3.24		7.05		4.10		2.49		M 8.44		8.77	
EMMITSBURG 2 SE	2.96	-.70	4.13	1.16	3.13	-.82	1.96	-1.84	8.44	3.92	5.64	1.29
MILLERS 4 NE	2.78	-.86	5.59	2.69	3.57	-.20	2.62	-.83	6.25	1.97	6.87	3.25
POTOMAC FILTER PLANT	M 2.69		6.61	4.03	M 4.29		2.63	-.59	7.31	3.54	8.42	4.77
ROCKVILLE 1 NE	M 2.42		M 5.10		3.72	-.17	2.55	-.64	M 7.13		4.33	.59
SMITHSBURG 2 NW	2.86		M 4.66		3.32		3.10		M 7.11		M 6.45	
--DIVISIONAL DATA----->	2.89	-.19	5.75	2.78	3.71	.18	2.68	-.85		2.74	6.78	2.80
APPALACHIAN MOUNTAIN 07												
CUMBERLAND 2	2.37	-.52	M 4.76		3.30	.00	3.29	.13	7.29	3.32	6.00	2.88
CUMBERLAND POLICE BRK	M 2.00		M 2.20		M 2.98		2.97		7.81		5.51	
FROSTBURG 2	2.67	-.90	5.67	2.57	2.60	-1.24	3.29	-.68	7.62	2.86	7.25	3.41
HAGERSTOWN POLICE BRK	M 1.80						2.91		7.90		6.20	
SHARPSBURG 5 S	2.66		6.78		3.01		3.12		6.93		M 6.82	
--DIVISIONAL DATA----->	2.70	-.33	2.91	-.48	4.44	.17	5.46	.17	6.07	-.15	6.87	-.15
ALLEGHENY PLATEAU 08												
OAKLAND 1 SE	2.92	-.59	5.25	2.07	M 2.51		3.21	-.86	7.32	2.48	6.50	1.90
SAVAGE RIVER DAM	M 2.19		M 4.63		2.70	-.58	3.30	-.08	7.12	2.88	7.84	4.17
--DIVISIONAL DATA----->	2.92	-.26	5.25	2.30	2.70	-1.26	3.26	-.81	7.22	2.85	7.17	3.09

MARYLAND AND DELAWARE
2003

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	4.36	.74	4.69	.51	6.57	2.87	4.31	1.01	M 2.58		7.40	4.19	M	
PRINCESS ANNE	6.42	2.15	M 4.03		7.78	3.86	4.70	1.39		1.51	M 5.20		M	
SALISBURY	5.20	.66	5.81	1.09	7.46	3.47	3.90	.47	6.45	3.28	6.66	3.19	M 61.78	
SALISBURY POLICE BRKS	3.73		M		6.58		M 3.31		5.75		6.88			
SALISBURY FAA ARPT	6.29	1.75	5.71	.72	6.14	2.41	4.12	.48	5.07	1.77	6.90	3.18	59.54	12.50
SNOW HILL 4 N	6.69	2.21	6.04	.64	7.20	3.45	3.67	.25	3.63	.32	8.14	4.73	61.50	15.32
--DIVISIONAL DATA----->	5.45	1.40	5.56	.69	6.96	3.55	4.14	.96	5.11	1.99	7.20	3.79	60.58	17.33
CENTRAL EASTERN SHORE 02														
ROYAL OAK 2 SSW	8.52	4.30	4.95	.85	6.53	2.54	4.39	.93	5.87	2.44	4.59	.92	M 65.86	
VIENNA	M 5.40		8.19	3.82	7.16	3.64	3.84	.70	M 3.28		5.07	1.79	M	
--DIVISIONAL DATA----->	8.52	4.58	6.57	2.17	6.85	3.34	4.12	1.05	5.87	2.55	4.83	1.27		
LOWER SOUTHERN 03														
MECHANICSVILLE 5 NE	M 3.03		4.76	.82	8.68	4.30	3.51	-.41	6.17	2.74	4.64	1.24	M 61.16	
OXON HILL	6.60		4.82		7.85		3.53		5.24		4.96		66.34	
SOLOMONS	5.63		6.26		8.36		3.99		5.16		4.03		M 60.96	
--DIVISIONAL DATA----->	6.12	2.16	5.28	1.31	8.30	4.63	3.68	.44	5.52	2.13	4.54	1.21	64.10	21.54
UPPER SOUTHERN 04														
ANNAPOLIS POLICE BRKS	6.32	2.34	4.85	.81	10.99	6.74	5.56	2.00	M 3.15		6.15	2.46	M 68.59	
BALTIMORE WASH INTL AP R	5.56	1.71	4.61	.87	7.47	3.49	5.82	2.66	4.86	1.74	4.71	1.36	62.66	20.72
BELTSVILLE	7.12	3.03	4.05	.36	8.47	4.12	5.96	2.40	3.96	.64	4.06	.76	M 63.09	
DALECARLIA RESERVOIR	8.08	3.82	4.85	.87	8.10	3.80	4.82	1.34	5.06	1.65	4.67	1.26		
GLENN DALE BELL STN	5.92	1.74	3.24	-.85	8.78	4.75	4.07	.46	5.35	1.93	4.89	1.62	M 67.13	
LAUREL 3 W	8.44	4.42	4.07	.46	8.48	3.95	5.57	1.95	5.55	1.57	4.89	1.23	68.10	21.70
MD SCI CTR BALTIMORE R	3.77		3.45		6.44		5.70		4.44		4.86		56.72	
NATIONAL ARBORETUM DC	7.29	3.08	5.18	1.28	7.62	3.54	5.08	1.65	5.65	2.33	4.79	1.54	71.52	27.82
UPPER MARLBORO 3 NNW	6.78	2.67	5.15	1.25	6.17	2.17	4.04	.38	4.15	.90	4.61	1.41	M 59.88	
--DIVISIONAL DATA----->	6.59	2.58	4.38	.21	8.06	4.48	5.18	1.87	4.88	1.48	4.85	1.48	65.43	22.95
NORTHERN EASTERN SHORE 05														
CHESTERTOWN	6.29	2.35	4.71	.95	8.12	3.82	3.88	.51	4.43	1.09	4.48	.79	63.42	18.58
--DIVISIONAL DATA----->	6.29	2.49	4.71	.83	8.12	4.47	3.88	.74	4.43	1.04	4.48	.79	63.42	20.73
NORTHERN CENTRAL 06														
ABERDEEN PHILLIPS FLD	4.67	.46	M 2.76		9.75	5.27	5.82	2.43	4.31	1.11	4.75	1.34	M 61.59	
CATOCTIN MOUNTAIN PARK	4.66	.84	8.16	4.24	11.50	6.59	4.26	.37	4.69	.82	5.87	2.43	M 75.13	
CLARKSVILLE 3 NNE	3.38	-.65	3.69	-.21	6.36	2.19	4.33	.84	M		4.26	.74		
CONOWINGO DAM	M		6.72	2.31	M 10.68		M		M		M 5.04			
CYLBURN							6.07		M		M 4.93			
DAMASCUS 3 SSW	6.25		5.45		12.02		5.93		M	4.60	M 5.66			
EMMITSBURG 2 SE	1.78	-1.86	5.31	1.71	9.75	5.49	3.99	.51	4.37	.57	M 3.48		M 54.94	
MILLERS 4 NE	5.02	1.45	4.80	1.09	8.16	4.02	5.53	2.09	4.69	1.08	4.98	1.44	60.86	17.19
POTOMAC FILTER PLANT	6.45	2.88	6.71	3.27	6.75	2.71	4.64	1.43	6.59	3.20	5.82	2.67	M 68.91	
ROCKVILLE 1 NE	M 4.41		2.64	-1.08	6.29	2.20	4.09	.73	M 4.68		4.86	1.69	M	
SMITHSBURG 2 NW	2.48		7.17		11.52		3.77		4.34		4.24			
--DIVISIONAL DATA----->	4.03	.23	5.49	1.64	9.12	5.41	5.00	1.66	4.53	.95	5.06	1.59	62.15	18.94
APPALACHIAN MOUNTAIN 07														
CUMBERLAND 2	4.07	.65	5.42	1.89	6.92	3.74	2.72	.03	3.91	1.00	3.14	.53	M 53.19	
CUMBERLAND POLICE BRK	4.03		4.25		7.30		2.57		M 3.72		M 2.19		M	
FROSTBURG 2	3.11	-.80	4.08	.26	9.02	5.40	2.37	-.84	4.33	.57	3.98	.82	55.99	11.43
HAGERSTOWN POLICE BRK	3.66		4.74		11.90		3.37		M 4.00		M 2.91			
SHARPSBURG 5 S	3.93		4.37		8.12		3.84		4.26		4.80		M 58.64	
--DIVISIONAL DATA----->	7.38	-.07	7.56	.27	6.51	-.07	5.28	-.11	4.77	.41	3.97	1.15	63.92	.81
ALLEGHENY PLATEAU 08														
OAKLAND 1 SE	8.93	3.70	8.10	3.95	8.64	5.08	3.42	.30	5.44	1.76	3.28	-.39	M 65.52	
SAVAGE RIVER DAM	7.55	3.36	4.34	.97	8.52	5.04	2.26	-.55	4.32		M 2.91		M 57.68	
--DIVISIONAL DATA----->	8.24	3.38	6.22	2.39	8.58	5.26	2.84	-.33	4.88	1.32	3.28	-.40	62.56	17.53

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												
BEAR 2 SW							2.95		4.50		8.94	
NEWARK UNIVERSITY FARM	2.39	-1.08	M 6.38		4.29	.25	3.02	-.51	3.81	-.60	M	
WILMINGTON NEW CASTLE R	1.79	-1.64	5.21	2.40	4.75	.78	2.62	-.77	3.92	-.23	9.90	6.31
WILMINGTON PORTER RSVR	M 2.57		6.00	2.95	5.17	1.36	2.78	-1.23	4.09	-.24	9.91	5.85
--DIVISIONAL DATA----->	2.09	-1.09	5.61	2.76	4.74	1.27	2.84	-.73	4.08	.03	9.58	5.82
SOUTHERN 02												
DOVER	1.89	-2.05	7.02	3.98	4.12	-.28	3.83	.36	5.63	1.34	7.55	3.78
GREENWOOD 2 NE	1.30	-2.62	6.99	3.81	3.39	-1.28	3.16	-.29	5.48	1.17	5.97	2.41
HARRINGTON 4 NE					M		3.84		5.76		M	
LEWES	1.41	-2.60	M 6.42		4.11	-.34	4.53	.99	4.22	.31	5.19	2.04
MILFORD 2 SE	1.34	-2.74	7.45	4.28	2.28	-2.23	3.15	-.35	5.40	1.37	5.98	2.67
--DIVISIONAL DATA----->	1.49	-2.15	7.15	3.97	3.48	-.46	3.70	.22	5.30	1.42	6.17	2.68

MARYLAND AND DELAWARE
2003

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														
BEAR 2 SW	2.73		5.10		9.82		4.79		3.67		5.09			
NEWARK UNIVERSITY FARM	2.64	-1.85	M		10.02	5.74	M	5.23	M		5.05	1.49		
WILMINGTON NEW CASTLE R	2.85	-1.43		4.21	.70	7.39	3.38	4.39	1.31	3.37	.18	4.93	1.53	55.33 12.52
WILMINGTON PORTER RSVR	1.95	-2.44		8.56	4.51	9.49	5.54	5.56	2.26	3.65	-.15	5.25	1.41	M 64.98
--DIVISIONAL DATA----->	2.54	-1.68		5.96	2.33	9.18	5.56	4.91	1.78	3.56	.15	5.08	1.52	60.17 17.72
SOUTHERN 02														
DOVER	6.87	2.71		7.16	2.43	4.49	-.07	3.22	-.04	5.41	2.25	5.78	2.28	62.97 16.69
GREENWOOD 2 NE	5.57	.73		5.15	1.08	5.70	1.59	4.33	1.18	5.15	2.02	5.17	1.57	57.36 11.37
HARRINGTON 4 NE	M		M		M		M		M					
LEWES	7.05	2.86		4.21	-1.13	4.72	.95	4.19	.77	6.18	2.85	7.43	3.76	M 59.66
MILFORD 2 SE	4.58	.89		5.43	.82	4.86	.78	3.55	.07	6.05	2.73	5.98	2.39	56.05 10.68
--DIVISIONAL DATA----->	6.02	2.13		5.49	.71	4.94	1.30	3.82	.59	5.70	2.49	6.09	2.50	59.35 15.40

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	32.6	-3.7	37.4	-.6	45.1	1.2	51.5	-1.0	58.5	-3.0	70.9	.7	76.1	.5	75.0	-.4	72.8	2.5	58.9	-.7	54.2	4.5	40.9	.0	56.2	.0
PRINCESS ANNE	M		M		M		M		M		M		M		M		M		M		M		M		M	
SALISBURY	33.0	-4.2	36.3	-3.0	49.6	2.6	55.5	-.4	62.2	-2.6	73.0	.1	78.8	1.3	78.7	2.7	72.1	2.1	59.1	.0	54.9	4.9	41.1	-.1	57.9	.3
SALISBURY POLICE BRKS	33.1		35.9		49.3		55.6		62.7		74.2		80.3				72.3		59.4		54.8		M40.7		M	
SALISBURY FAA ARPT	29.1	-6.6	33.5	-4.4	45.7	.2	51.9	-2.4	57.9	-5.5	69.6	-2.6	75.4	-1.9	75.4	-.1	69.0	-.1	54.3	-3.3	50.8	2.2	37.6	-2.4	54.2	-2.2
SNOW HILL 4 N	32.2	-4.8	36.2	-2.8	48.6	2.1	54.2	-1.3	61.7	-3.1	73.0	.1	78.1	1.1	78.0	2.7	71.4	1.8	57.7	-.7	53.1	3.7	40.3	-.7	57.0	-.2
--DIVISIONAL DATA----->	32.0	-3.3	35.9	-1.5	47.7	2.1	53.7	-.5	60.6	-3.1	72.1	-.1	77.7	1.1	76.8	1.1	71.5	2.0	57.9	-.8	53.6	4.0	40.1	.0	56.6	.1
CENTRAL EASTERN SHORE 02																										
ROYAL OAK 2 SSW	32.6	-3.5	34.1	-4.4	48.0	1.3	55.5	-.6	62.7	-3.0	72.7	-1.5	78.7	.1	78.7	1.8	70.9	.2	58.3	-1.5	54.3	4.2	40.5	-.3	57.3	-.6
VIENNA	M31.5	-4.6	M		49.9	3.5	M56.3	.7	62.0	-2.9	72.9	-.4	79.9	1.8	78.6	2.5	M72.1	2.2	M59.8	1.0	55.3	6.0	40.2	-.3	M	
--DIVISIONAL DATA----->	32.1	-2.1	34.1	-2.6	49.0	3.2	55.9	1.1	62.4	-2.3	72.8	-.5	79.3	1.9	78.7	2.6	71.5	1.9	59.1	.3	54.8	5.6	40.4	1.2	57.5	.9
LOWER SOUTHERN 03																										
MECHANICVILLE 5 NE	30.7	-4.2	32.8	-5.1	47.0	.8	54.8	-.5	60.9	-3.0	70.0	-2.0	75.9	-.7	76.4	1.6	68.2	-.1	55.3	-1.4	52.7	4.8	38.4	-1.1	55.3	-.9
OXON HILL	30.9		32.7		46.6		54.0		61.6		M71.9		77.4		78.4		69.7		55.7		M53.7		38.3		M55.9	
SOLOMONS	33.7		36.1		M47.9		56.2		M63.5		73.8		79.9		M80.5		M72.6		M60.3		M56.0		M		M	
--DIVISIONAL DATA----->	31.8	-2.2	33.9	-2.9	47.2	1.3	55.0	.1	62.0	-2.4	71.9	-.6	77.7	1.1	78.4	3.0	70.2	1.2	57.1	-.8	54.1	5.5	38.4	-.4	56.5	.2
UPPER SOUTHERN 04																										
ANNAPOLIS POLICE BRKS	33.6	-.8	M35.6	.5	48.4	4.8	57.0	3.4	M62.2	-1.4	M73.2	.8	78.7	1.2	79.2	3.6	70.5	2.2	M59.7	3.1	M52.8	6.8	M39.6	1.9	M57.5	2.3
BALTIMORE WASH INTL AP R	28.3	-4.0	30.2	-5.3	43.9	.2	52.7	-.5	59.3	-3.6	69.8	-2.0	75.6	-.9	76.3	1.8	68.0	.6	55.1	-.3	50.6	5.1	36.4	-.3	53.9	-.8
BELTSVILLE	28.7	-3.9	30.3	-5.1	44.3	.5	52.2	-1.1	60.1	-2.9	70.1	-2.0	76.2	-.7	77.1	1.8	68.7	.3	54.2	-1.9	51.4	4.7	36.7	-.6	54.2	-.9
DALECARLIA RESERVOIR	30.2	-3.8	32.5	-4.9	47.8	2.1	55.2	-.4	M		M		77.6	.0	79.0	2.8	70.2	.9	56.5	-.8	51.2	4.0	37.5	-.7	M	
GLENN DALE BELL STN	27.4	-4.4	29.7	-4.7	M		52.2	.2	59.9	-1.8	69.4	-.9	76.3	1.1	77.7	3.9	67.9	1.2	53.1	-2.0	50.7	5.8	35.3	-1.2	M	
LAUREL 3 W	29.0	-4.1	32.0	-4.3	45.0	.1	54.6	-.3	60.4	-4.2	70.6	-2.2	76.6	-1.2	77.3	.8	68.5	-.6	55.6	-2.0	51.3	3.8	M		M	
MD SCI CTR BALTIMORE R	30.4		32.7		45.6		54.9		61.4		72.2		78.6		79.4		71.0		57.8		52.7		38.7		56.3	
NATIONAL ARBORETUM DC	30.8	-2.7	32.6	-3.6	46.1	1.7	54.3	.2	61.6	-2.5	71.7	-1.4	77.7	-.2	78.5	2.4	70.0	1.3	56.2	-.4	52.7	5.8	38.5	.5	55.9	.1
UPPER MARLBORO 3 NNW	29.5	-3.0	31.2	-4.2	44.1	.3	52.3	-1.1	59.9	-2.8	70.2	-1.1	76.6	.7	77.2	3.1	68.7	1.5	54.4	-.9	51.3	5.0	36.9	-.1	54.4	-.2
--DIVISIONAL DATA----->	29.8	-2.6	31.9	-3.3	45.7	1.1	53.9	.0	60.6	-3.1	70.9	-1.4	77.1	.5	78.0	2.7	69.3	.8	55.8	-1.0	51.6	4.4	37.5	.4	55.2	.0
NORTHERN EASTERN SHORE 05																										
CHESTERTOWN	28.5	-4.7	30.1	-5.8	44.1	-.3	52.8	-1.3	59.2	-4.7	70.5	-2.2	76.6	-.8	77.6	1.8	69.5	.7	55.5	-1.7	51.7	4.6	38.0	.4	54.5	-1.2
--DIVISIONAL DATA----->	28.5	-3.7	30.1	-4.8	44.1	-.1	52.8	-.6	59.2	-4.3	70.5	-1.7	76.6	.1	77.6	2.4	69.5	.9	55.5	-1.8	51.7	4.2	38.0	1.0	54.5	-.6
NORTHERN CENTRAL 06																										
ABERDEEN PHILLIPS FLD	M		M		M		M54.0	-.6	M		M71.6	-.6	M76.9	-.1	M		M69.3	.4	M55.5	-1.8	M		M		M	
CATOCTIN MOUNTAIN PARK	24.8	-4.2	26.4	-5.8	40.8	-.1	51.7	-.2	58.4	-3.2	66.5	-2.7	71.3	-1.8	69.8	-1.7	62.4	-2.7	50.2	-4.3	48.1	4.3	32.6	-1.2	50.3	-2.0
CLARKSVILLE 3 NNE	M		M		M								74.9	-.2	75.8	2.5	66.9	.2	53.1	-1.6	M		35.0	-.8	M	
CONOWINGO DAM	28.3	-2.6	28.8	-4.9	41.6	-.8	51.9	-.5	59.7	-2.9	M		M		M		M		M		M		35.3	-.5	M	
CYLBURN																			54.1		M		M36.6		M	
DAMASCUS 3 SSW	25.7		28.5		42.7		52.1		M		68.1		73.3		74.5		66.2		52.7		49.3		34.7		M	
EMMITTSBURG 2 SE	27.0	-4.0	29.5	-4.6	42.1	-.9	51.9	-.9	59.6	-2.6	68.3	-2.2	74.1	-.9	75.1	1.8	66.0	-.4	52.3	-2.6	49.3	4.5	34.3	-1.6	52.5	-1.2
MILLERS 4 NE	26.0	-4.4	28.7	-4.7	42.6	.9	52.1	.3	59.3	-2.0	68.4	-1.3	73.8	-.1	75.0	2.5	66.5	.9	53.1	-1.9	49.8	5.0	34.8	-.6	52.5	-.5
ROCKVILLE 1 NE	28.2	-3.6	31.0	-3.6	44.6	1.4	53.8	.5	60.1	-2.2	M69.3	-1.4	M75.7	.4	76.8	3.5	68.1	1.6	54.8	-.3	51.0	5.8	36.8	.5	M54.2	.2
SMITHSBURG 2 NW	26.8		28.6		43.2		52.3		M		69.5		76.4		76.8											
--DIVISIONAL DATA----->	26.7	-4.1	28.8	-4.7	42.5	-.5	52.5	-.1	59.4	-3.2	68.8	-2.2	74.6	-.6	74.8	1.0	66.5	-.6	53.2	-2.5	49.5	3.7	35.0	-.4	52.7	-1.1
APPALACHIAN MOUNTAIN 07																										
CUMBERLAND 2	27.0	-3.3	29.1	-4.8	44.4	1.7	54.6	1.7	60.7	-1.5	68.7	-1.5	73.8	-.7	75.6	2.7	65.1	-.7	52.8	-1.1	47.7	4.1	34.1	-.1	52.8	-.3
CUMBERLAND POLICE BRK	26.3		28.8		43.5		53.8		60.0		67.2		72.7		73.9		63.8		52.1		46.9		32.9		51.8	
FROSTBURG 2	20.2	-4.3	23.1	-4.2	38.1	2.8	47.3	1.4	54.4	-1.8	62.1	-2.1	68.2	-.3	69.1	1.9	60.1	-.2	47.7	-1.6	43.9	4.8	28.8	-.7	46.9	-.4
HAGERSTOWN POLICE BRK	27.3				52.7		60.5		68.5		68.8		75.0		76.0		67.0		54.3		50.4		35.2		M	
SHARPSBURG 5 S	26.9		29.4		42.1		M50.7		59.5		68.1		M72.7		75.1		65.7		52.3		49.1		M33.1		M52.1	
--DIVISIONAL DATA----->	33.7	20.2	36.7	21.4	57.8	31.0	67.9	41.2	71.3	50.1	79.9	57.4	85.4	62.2	86.8	64.4	75.2	54.9	66.2	39.4	59.3	36.1	32.8	-.8	62.8	39.8
ALLEGHENY PLATEAU 08																										

MARYLAND AND DELAWARE
2003

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	20.7	-6.1	25.0	-4.3	40.7	2.8	49.2	1.7	56.0	- .7	62.7	-1.6	68.4	.0	69.5	2.4	60.4	- .4	49.5	- .5	45.0	5.0	29.7	-1.6	48.1	- .3
SAVAGE RIVER DAM	23.3	-2.9	25.5	-3.1	38.9	1.8	47.9	.5	55.9	-1.4	62.5	-3.0	69.0	- .7	70.4	2.1	60.5	-1.0	48.8	-1.2	45.0	4.6	30.1	-.9	48.2	- .4
--DIVISIONAL DATA----->	22.0	-2.8	25.3	-1.8	39.8	3.0	48.6	1.8	56.0	- .6	62.6	-1.6	68.7	.7	70.0	3.1	60.5	- .1	49.2	- .3	45.0	5.0	29.9	.3	48.1	.6
DELAWARE																										
NORTHERN 01																										
BEAR 2 SW							50.9		58.4		69.0		75.5		76.8		68.0		53.2		49.0		35.1		M	
NEWARK UNIVERSITY FARM	28.1	-4.4	29.6	-5.6	44.4	1.0	52.6	- .5	59.3	-4.0	M		76.1	- .3	M		69.5	1.8	55.5	- .6	M		34.3	-2.8	M	
WILMINGTON NEW CASTLE R	M28.8	-2.7	28.7	-5.5	42.8	.1	51.0	-1.4	58.1	-4.4	68.8	-2.7	75.7	-.9	76.5	1.5	68.5	.8	54.2	-1.6	49.3	3.4	35.8	-.6	M53.2	-1.2
WILMINGTON PORTER RSVR	27.5	-2.6	28.8	-3.9	42.7	.9	51.2	- .3	58.0	-3.9	68.5	-2.3	75.5	.3	76.1	2.3	67.7	.9	53.8	-1.8	49.5	3.8	35.3	.0	52.9	-.6
--DIVISIONAL DATA----->	28.1	-2.7	29.0	-4.5	43.3	.6	51.4	- .8	58.5	-4.1	68.8	-2.7	75.7	- .2	76.5	2.0	68.4	.7	54.2	-2.0	49.3	3.0	35.1	-.8	53.2	-.9
SOUTHERN 02																										
DOVER	30.5	-4.8	32.2	-5.5	45.5	.1	53.1	-1.5	59.5	-4.8	70.7	-2.2	77.1	- .7	77.9	1.7	70.7	.8	57.6	-1.2	53.9	4.7	39.0	-.9	55.6	-1.2
GREENWOOD 2 NE	29.4	-3.7	32.5	-1.8	44.8	1.5	51.0	-1.2	59.3	-2.5	69.9	-.8	75.9	.2	76.0	2.1	69.1	2.2	55.5	- .5	51.5	5.0	37.1	-.2	54.3	.0
HARRINGTON 4 NE					M		49.7		57.8		M		M		M		M		M		M					
LEWES	31.9	-4.5	35.1	-3.2	46.6	1.0	53.1	-1.5	59.5	-4.5	72.2	-.3	78.7	1.4	78.6	2.7	71.5	1.3	58.8	-.4	54.2	4.2	40.9	-.2	56.8	-.3
MILFORD 2 SE	29.8	-3.8	32.3	-2.6	M		51.2	-1.9	59.1	-3.7	70.5	-1.3	77.0	.3	77.1	2.3	70.3	2.6	55.5	-1.4	52.3	5.3	38.0	-.7	M	
--DIVISIONAL DATA----->	30.4	-3.3	33.0	-2.9	45.6	1.0	51.6	-1.8	59.0	-4.3	70.8	-1.3	77.2	.8	77.4	2.3	70.4	1.7	56.9	-.8	53.0	4.5	38.8	.2	55.3	-.2

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	96	6/26	6	1/19	2/14	15	3/ 4	19	3/11	23	3/15	27	4/ 1	32	11/26	32	12/ 4	28	NONE		NONE		NONE					264	239
ASSATEAGUE					MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG						
PRINCESS ANNE	94	7/ 9	10	1/19	1/28	11	3/ 4	20	3/11	24	3/15	28	4/ 1	31	10/24	31	11/10	28	12/ 4	22	NONE		NONE				268	240	206
SALISBURY			9	1/28	1/28	9	3/11	20	3/11	20	3/15	26	4/ 1	31	10/24	31	12/ 3	24	12/ 3	24	MSG		MSG				267	263	206
SALISBURY POLICE BRKS	93	6/26	-1	1/18	2/14	12	3/11	17	3/15	22	5/ 5	28	5/ 5	28	10/19	32	10/23	28	11/10	24	12/ 3	19	12/ 4	16	293	267	240	171	167
SALISBURY FAA ARPT			2	1/19	2/14	16	3/11	19	3/15	24	4/ 1	27	5/ 5	32	10/24	26	10/24	26	12/ 3	19	12/ 3	19	NONE			267	263	206	172
SNOW HILL 4 N	95	7/ 9																											
CENTRAL EASTERN SHORE 02	93	7/ 6	11	1/28	2/17	16	3/ 4	20	3/ 4	20	3/11	26	4/ 1	31	10/24	31	11/10	26	12/ 3	22	NONE		NONE				274	244	206
ROYAL OAK 2 SSW					MSG		3/ 4	20	3/11	24	3/15	26	4/ 1	29	11/ 9	30	11/10	27	12/ 3	21	NONE		NONE				267	240	222
VIENNA	97	7/ 9																											
LOWER SOUTHERN 03																													
MECHANICSVILLE 5 NE	91	7/ 7	5	1/18	2/16	16	3/ 4	18	3/11	22	4/ 1	28	4/ 1	28	10/24	28	10/24	28	11/10	24	NONE		NONE				244	206	206
OXON HILL	96	7/ 6	11	1/18	2/17	14	3/ 3	19	3/10	24	3/15	28	4/ 1	29	10/24	32	11/10	27	12/21	24	NONE		NONE				286	240	206
BELTSVILLE	97	7/ 9			1/28	15	2/17	17	2/17	17	3/10	27	3/31	31	11/10	32	MSG		MSG		MSG		MSG						224
UPPER SOUTHERN 04																													
ANNAPOLIS POLICE BRKS	95	7/ 6	10	1/23	1/27	15	2/16	20	3/ 3	23	3/ 8	26	4/ 8	32	11/13	30	12/ 2	28	12/17	22	NONE		NONE				289	269	219
BALTIMORE WASH INTL AP	R 93	6/26	5	1/18	2/19	15	3/11	19	3/12	23	4/ 1	27	4/24	32	10/24	29	11/ 9	25	11/10	24	12/ 3	20	NONE			267	243	222	183
BELTSVILLE	93	8/23	5	1/18	2/17	14	3/ 4	18	3/11	22	4/ 1	28	4/ 1	28	10/24	30	11/ 9	28	11/10	24	NONE		NONE				244	222	206
DALECARLIA RESERVOIR			8	1/23	2/17	14	3/ 4	18	3/11	24	MSG		MSG		10/24	31	11/ 8	28	11/10	16	11/10	16	11/10	16	266	251	244		
GLENN DALE BELL STN	96	8/23			MSG		MSG		MSG		4/ 1	28	4/ 1	28	10/ 3	31	10/24	27	11/10	21	12/ 4	19	12/ 8	16				206	185
LAUREL 3 W	95	7/ 5			3/ 3	16	3/10	18	3/11	22	3/31	27	4/ 1	30	11/ 9	22	11/ 9	22	11/ 9	22	MSG		MSG				243	223	222
MD SCI CTR BALTIMORE	R 95	6/26	11	1/18	2/16	14	3/ 3	20	3/ 7	23	3/11	26	3/31	31	11/ 9	32	11/26	28	NONE		NONE		NONE				260	223	
NATIONAL ARBORETUM DC	94	8/23	9	1/19	2/17	15	3/ 4	19	3/ 4	19	3/11	25	4/ 1	32	11/ 9	31	11/10	27	NONE		NONE		NONE				244	222	
UPPER MARLBORO 3 NNW	94	7/ 6	4	1/19	2/17	15	3/11	20	3/11	20	4/ 1	26	4/ 1	26	10/24	29	11/10	22	11/10	22	NONE		NONE				244	223	206
NORTHERN EASTERN SHORE 05																													
CHESTERTOWN	96	7/ 6	5	1/18	3/11	15	3/11	15	3/15	24	4/ 1	26	4/ 7	31	10/24	28	10/24	28	12/ 3	22	NONE		NONE				263	206	200
NORTHERN CENTRAL 06					MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG						
ABERDEEN PHILLIPS FLD					3/11	16	3/14	20	3/31	21	4/ 8	28	4/24	32	10/ 3	28	10/ 3	28	10/ 6	21	12/ 3	19	12/ 7	16	271	264	189	178	162
CATOCTIN MOUNTAIN PARK	87	6/26	3	1/18	MSG		MSG		MSG		MSG		MSG		10/ 3	31	10/24	26	MSG		MSG		MSG						
CLARKSVILLE 3 NNE					2/26	10	3/12	18	3/14	24	4/ 1	28	4/ 2	30	MSG		MSG		MSG		MSG		MSG						
CONOWINGO DAM					MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG						
CYLBURN					3/ 7	15	3/11	20	3/14	23	MSG		MSG		10/ 3	32	10/24	28	11/ 9	24	12/ 8	17	NONE				272	240	
DAMASCUS 3 SSW	90	7/ 7	-3	1/18	3/11	13	3/11	13	4/ 1	23	4/ 1	23	4/ 8	32	10/ 3	31	10/24	26	11/10	19	11/10	19	12/ 8	15	272	244	223	206	178
EMMITSBURG 2 SE	90	8/14	-1	1/18	3/11	13	3/11	13	3/14	23	4/ 1	25	4/ 8	31	10/ 3	32	11/ 9	23	11/ 9	23	11/10	20	12/ 8	15	272	244	240	222	178
MILLERS 4 NE	93	7/ 5	5	1/18	3/ 3	14	3/ 7	20	3/11	21	3/31	28	4/ 1	30	10/24	32	11/ 9	26	12/ 3	24	NONE		NONE				267	223	206
ROCKVILLE 1 NE					3/ 4	11	3/12	18	3/12	18	MSG		MSG		MSG		MSG		MSG		MSG		MSG						
SMITHSBURG 2 NW																													
APPALACHIAN MOUNTAIN 07																													
CUMBERLAND 2	93	6/25	4	1/18	3/ 3	10	3/11	20	3/30	24	4/ 1	28	4/ 1	28	10/ 2	29	11/ 8	25	11/ 9	21	12/16	16	12/16	16	288	280	224	221	184
CUMBERLAND POLICE BRK	91	8/23	3	1/18	3/11	15	3/11	15	4/ 1	24	4/ 1	24	4/10	32	10/ 3	27	10/ 3	27	11/ 9	22	11/10	19	12/16	14	280	244	222	185	176
FROSTBURG 2	86	7/ 5	-3	1/23	3/11	12	4/ 1	17	4/ 1	17	4/ 9	28	4/25	31	10/ 3	27	10/ 3	27	11/ 9	20	11/ 9	20	12/ 3	16	267	222	222	177	161
HAGERSTOWN POLICE BRK	92	8/15			MSG		MSG		4/ 1	24	4/ 2	26	4/ 8	32	10/ 3	31	10/24	28	11/10	21	12/ 7	18	12/ 8	15			223	205	178
SHARPSBURG 5 S	94	8/23	-2	1/19	3/ 4	13	3/11	18	3/11	18	4/ 1	26	4/24	31	10/ 3	29	10/24	28	11/ 9	23	11/10	20	12/ 7	15	278	244	243	206	162
ALLEGHENY PLATEAU 08																													
OAKLAND 1 SE	85	8/14	-8	1/18	3/11	12	3/31	18	4/ 1	24	4/24	26	6/ 2	32	10/ 3	23	10/ 3	23	10/ 3	23	11/10	17	12/ 3	13	267	224	185	162	123
SAVAGE RIVER DAM	87	8/16	-2	1/22	3/11	14	3/12	17	4/ 1	23	4/ 1	23	4/24	31	10/ 3	28	10/ 3	28	11/ 9	24	11/10	20	12/13	15	277	243	222	185	162
DELAWARE																													
NORTHERN 01																													
BEAR 2 SW	95	7/ 5			MSG		MSG		4/ 1	24	4/ 1	24	4/14	32	10/ 3	32	10/24	26	11/ 9	24	11/10	19	12/ 3	16			222	206	172
NEWARK UNIVERSITY FARM					3/ 4	11	3/11	18	3/11	18	4/ 1	26	4/ 7	30	10/25	29	MSG		MSG		MSG		MSG						201

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 NEW CASTLE R WILMINGTON PORTER RSVR SOUTHERN 02 DOVER GREENWOOD 2 NE HARRINGTON 4 NE LEWES MILFORD 2 SE	93	6/26	6	1/28	3/ 4	16	3/11	17	3/11	17	4/ 1	28	4/ 7	32	10/24	32	11/ 9	26	11/10	22	12/ 8	19	NONE		272	244	222	200				
	91	6/26	6	1/18	3/ 4	15	3/11	19	3/11	19	3/15	27	4/ 7	31	10/24	31	11/ 9	28	12/ 3	22	NONE											
	94	6/26	7	1/28	3/ 4	15	3/11	18	3/11	18	3/15	27	4/ 1	29	10/24	30	11/10	24	11/10	24	NONE		NONE									
	93	6/27	5	1/28	3/ 4	16	3/11	20	3/15	24	4/ 1	28	4/10	32	10/24	28	10/24	28	11/10	23	12/ 3	20	NONE							267	240	206
	94	7/ 9	8	1/19	MSG	1/28	12	3/11	18	MSG	3/11	18	3/15	27	4/ 1	31	11/10	27	11/10	27	12/ 4	23	MSG									
	94	6/27	6	1/28	MSG		MSG		MSG		4/ 1	28	4/ 1	28	10/24	29	11/10	24	11/10	24	12/ 4	20	NONE									

MONTHLY AND SEASONAL COOLING DEGREE DAYS

BASE = 65 DEGREES FAHRENHEIT

MARYLAND AND DELAWARE
2003

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	0	5	201	351	315	242	15	7	0	1136	1066
PRINCESS ANNE	-	-	-	-	-	-	-	-	-	-	-	-	-	1092
SALISBURY	0	0	0	12	39	256	434	430	227	12	20	0	1430	1246
SALISBURY POLICE BRKS	0	0	1	14	49	285	481	-	237	15	25	B 0	-	-
SALISBURY FAA ARPT	0	0	0	7	12	170	332	331	154	6	10	0	1022	1155
SNOW HILL 4 N	0	0	0	8	33	253	415	409	209	6	14	0	1347	1194
CENTRAL EASTERN SHORE 02														
ROYAL OAK 2 SSW	0	0	0	11	45	242	430	430	193	12	21	0	1384	1392
VIENNA	B 0	-	0	B 14	37	253	469	427	B 223	B 25	27	0	-	1274
LOWER SOUTHERN MECHANICSVILLE 5 NE 03														
MECHANICSVILLE 5 NE	0	0	0	17	22	175	347	360	125	0	15	0	1061	1093
OXON HILL	0	0	0	12	41	B 234	392	421	160	4	B 24	0	B1288	-
SOLOMONS	0	0	B 0	19	B 43	271	469	B 486	B 230	B 19	B 27	-	-	-
UPPER SOUTHERN ANNAPOLIS POLICE BRKS 04														
ANNAPOLIS POLICE BRKS	0	B 0	0	22	B 46	B 251	431	449	181	B 21	B 17	B 0	B1418	1162
BALTIMORE WASH INTL AP R	0	0	0	6	21	181	336	358	120	2	8	0	1032	1147
BELTSVILLE	0	0	0	3	21	183	354	382	135	1	12	0	1091	1109
DALECARLIA RESERVOIR	0	0	0	10	-	-	398	445	175	1	6	0	-	1258
GLENN DALE BELL STN	0	0	-	8	28	175	358	399	116	1	12	0	-	917
LAUREL 3 W	0	0	0	16	23	198	369	388	131	1	7	-	-	1271
MD SCI CTR BALTIMORE R	0	0	0	11	33	244	428	451	198	16	14	0	1395	-
NATIONAL ARBORETUM DC	0	0	0	16	33	224	400	423	165	5	19	0	1285	1243
UPPER MARLBORO 3 NNW	0	0	0	7	23	190	367	387	132	4	18	0	1128	1002
NORTHERN EASTERN SHORE 05														
CHESTERTOWN	0	0	0	7	18	201	367	396	157	6	11	0	1163	1183
NORTHERN CENTRAL 06														
ABERDEEN PHILLIPS FLD	-	-	-	B 7	-	B 221	B 375	-	B 154	B 1	-	-	-	1153
CATOCTIN MOUNTAIN PARK	0	0	0	4	13	114	201	185	28	0	1	0	546	733
CLARKSVILLE 3 NNE	-	-	-	-	-	-	313	339	94	0	-	0	-	898
CONOWINGO DAM	0	0	0	5	13	-	-	-	-	-	-	0	-	1068
CYLBURN	-	-	-	-	-	-	-	-	-	1	-	B 0	-	-
DAMASCUS 3 SSW	0	0	0	7	-	142	263	303	83	0	7	0	-	-
EMMITSBURG 2 SE	0	0	0	0	16	144	289	320	71	0	4	0	844	918
MILLERS 4 NE	0	0	0	4	14	151	281	315	83	0	8	0	856	790
ROCKVILLE 1 NE	0	0	0	11	21	B 145	B 337	374	125	1	14	0	B1028	983
SMITHSBURG 2 NW	0	0	0	7	-	175	360	373	-	-	-	-	-	-
APPALACHIAN MOUNTAIN 07														
CUMBERLAND 2	0	0	0	8	20	152	281	335	60	1	2	0	859	877
CUMBERLAND POLICE BRK	0	0	0	13	17	113	243	283	46	0	0	0	715	-
FROSTBURG 2	0	0	0	3	3	49	109	140	14	0	0	0	318	344
HAGERSTOWN POLICE BRK	0	-	-	0	18	151	315	345	90	0	7	0	-	-
SHARPSBURG 5 S	0	0	0	B 6	17	139	B 240	319	71	0	7	B 0	B 799	-
ALLEGHENY PLATEAU 08														
OAKLAND 1 SE	0	0	0	0	4	32	118	149	22	0	0	0	325	316
SAVAGE RIVER DAM	0	0	0	0	5	45	132	174	18	0	0	0	374	414
DELAWARE														
NORTHERN 01														
BEAR 2 SW	-	-	-	8	11	175	332	370	124	3	1	0	-	-
NEWARK UNIVERSITY FARM	0	0	0	8	14	-	351	-	157	16	-	0	-	1047
WILMINGTON NEW CASTLE R	B 0	0	0	8	10	169	337	362	133	3	0	0	B1022	1125
WILMINGTON PORTER RSVR	0	0	0	6	10	165	333	349	111	0	1	0	975	930
SOUTHERN 02														

Heating Degree Days data found in July issue of Climatological Data

MONTHLY AND SEASONAL COOLING DEGREE DAYS
BASE = 65 DEGREES FAHRENHEIT

MARYLAND AND DELAWARE
2003

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	SEASONAL NORM
DOVER	0	0	0	10	21	196	379	407	190	8	19	0	1230	1262
GREENWOOD 2 NE	0	0	0	1	23	179	347	349	143	6	16	0	1064	943
HARRINGTON 4 NE	-	-	-	2	17	-	-	-	-	-	-	-	-	-
LEWES	0	0	0	13	30	236	431	432	214	12	23	0	1391	1240
MILFORD 2 SE	0	0	-	3	17	195	377	380	178	12	18	0	-	1058

MARYLAND AND DELAWARE
2003

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	-	-	-	B 2034	1166	1422	1259	B 888	B 1296	B 1447	-	-	-
	EVAP	-	-	-	4.34	3.74	6.56	7.37	4.97	4.66	3.35	-	-	-
	MAX TEMP	-	-	-	M 65.4	M 72.9	M 81.6	M 88.7	M -	M 80.5	M 65.8	-	-	M -
	MIN TEMP	-	-	-	M 42.5	M 52.3	M 60.5	M 68.0	M -	M 59.5	M 43.9	-	-	M -
UPPER MARLBORO 3 NNW	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-
	EVAP	-	-	-	4.16	3.24	4.90	6.43	5.04	3.85	3.14	-	-	-
	MAX TEMP	-	-	-	67.5	72.9	84.8	93.2	93.5	83.6	69.1	-	-	M -
	MIN TEMP	-	-	-	43.5	54.1	64.1	69.5	70.1	63.0	46.4	-	-	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	79	79	0	JULY	C H	
ANNAPOLIS POLICE BRKS	0193	04	ANNE ARUNDEL	39 0	76 30W	25	46	46	0		H	
ASSATEAGUE	0335	01	WORCESTER	38 4	75 13W	10	37	37	0		H	
BALTIMORE WASH INTL AP R	0465	04	ANNE ARUNDEL	39 10	76 41W	156	70	70	0		C HJ	
BELTSVILLE	0700	04	PRINCE GEORG	39 2	76 56W	145	66	66	63		C H	
CATOCTIN MOUNTAIN PARK	1530	06	FREDERICK	39 39	77 29W	1610	38	38	0		H	
CHESTERTOWN	1750	05	KENT	39 13	76 3W	40	99	99	0		H	
CLARKSVILLE 3 NNE	1862	06	HOWARD	39 15	76 56W	370	36	36	0		H	
CONOWINGO DAM	2060	06	HARFORD	39 39	76 11W	40	69	69	0		H	
CUMBERLAND 2	2282	07	ALLEGANY	39 39	78 45W	730	32	32	0		H	
CUMBERLAND POLICE BRK	2285	07	ALLEGANY	39 38	78 50W	970	38	38	0		H	
CYLBURN	2308	06	BALTIMORE (C	39 22	76 38W	400	1	1	0		H	
DALECARLIA RESERVOIR	2325	04	PRINCE GEORG	38 56	77 7W	150	59	59	0		H	
DAMASCUS 3 SSW	2336	06	MONTGOMERY	39 16	77 14W	697	11	11	0		H	
EMMITSBURG 2 SE	2906	06	FREDERICK	39 41	77 17W	416	49	49	0		H	
FROSTBURG 2	3415	07	ALLEGANY	39 40	78 56W	2170	33	33	0		H	
GLENN DALE BELL STN	3675	04	PRINCE GEORG	38 58	76 48W	150	84	84	0		H	
HAGERSTOWN POLICE BRK	3980	07	WASHINGTON	39 36	77 44W	560	7	7	0		H	
LAUREL 3 W	5111	04	PRINCE GEORG	39 5	76 54W	400	114	114	0		H	
MD SCI CTR BALTIMORE R	5718	04	BALTIMORE (C	39 17	76 37W	20	5	5	0		C H	
MECHANICSVILLE 5 NE	5865	03	ST. MARY'S	38 28	76 42W	100	43	43	0		H	
MILLERS 4 NE	5934	06	CARROLL	39 43	76 48W	860	18	18	0		C H	
NATIONAL ARBORETUM DC	6350	04	DISTRICT OF	38 55	76 58W	50	57	57	0		H	
OAKLAND 1 SE	6620	08	GARRETT	39 24	79 24W	2420	107	107	0		H	
OXON HILL	6800	03	PRINCE GEORG	38 48	77 0W	120	3	3	0		H	
POTOMAC FILTER PLANT	7272	06	MONTGOMERY	39 2	77 15W	270	0	43	0		H	
PRINCESS ANNE	7330	01	SOMERSET	38 13	75 41W	20	56	56	0		H	
ROCKVILLE 1 NE	7705	06	MONTGOMERY	39 6	77 9W	440	57	57	0		H	
ROYAL OAK 2 SSW	7806	02	TALBOT	38 43	76 11W	10	57	57	0	H		
SALISBURY	8000	01	WICOMICO	38 22	75 35W	10	98	98	0	H		
SALISBURY POLICE BRKS	8003	01	WICOMICO	38 25	75 34W	40	3	3	0	H		
SALISBURY FAA ARPT #	8005	01	WICOMICO	38 20	75 31W	48	57	57	0	H		
SAVAGE RIVER DAM	8065	08	GARRETT	39 31	79 8W	1495	54	57	54	C H		
SHARPSBURG 5 S	8207	07	WASHINGTON	39 24	77 43W	500	6	6	0	H		
SMITHSBURG 2 NW	8371	06	WASHINGTON	39 40	77 35W	670	3	3	0	H		
SNOW HILL 4 N	8380	01	WORCESTER	38 14	75 23W	30	89	89	0	H		
SOLOMONS	8405	03	CALVERT	38 19	76 27W	12	95	95	0	H		
UPPER MARLBORO 3 NNW	9070	04	PRINCE GEORG	38 52	76 47W	100	47	47	47	H		
VIENNA	9140	02	DORCHESTER	38 29	75 49W	10	56	56	0	H		
DELAWARE												
BEAR 2 SW	1200	01	NEW CASTLE	39 36	75 44W	80	1	1	0	FEB	H	
DOVER	2730	02	KENT	39 16	75 31W	30	117	116	0	NOV	H	
GREENWOOD 2 NE	3595	02	SUSSEX	38 49	75 35W	45	20	20	0		H	
HARRINGTON 4 NE	3615	02	KENT	38 57	75 31W	40	1	1	0		H	
LEWES	5320	02	SUSSEX	38 47	75 8W	15	61	61	0		H	
MILFORD 2 SE	5915	02	SUSSEX	38 54	75 26W	35	99	99	0		H	
NEWARK UNIVERSITY FARM	6410	01	NEW CASTLE	39 40	75 45W	90	91	91	47		C H	
WILMINGTON NEW CASTLE R	9595	01	NEW CASTLE	39 40	75 36W	79	57	57	0		C HJ	
WILMINGTON PORTER RSVR	9605	01	NEW CASTLE	39 46	75 32W	270	93	93	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 2002, the averaging period is 1971 to 2000. The normals for National Weather Service localities have been adjusted so as to be representative for the current observation site.

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.

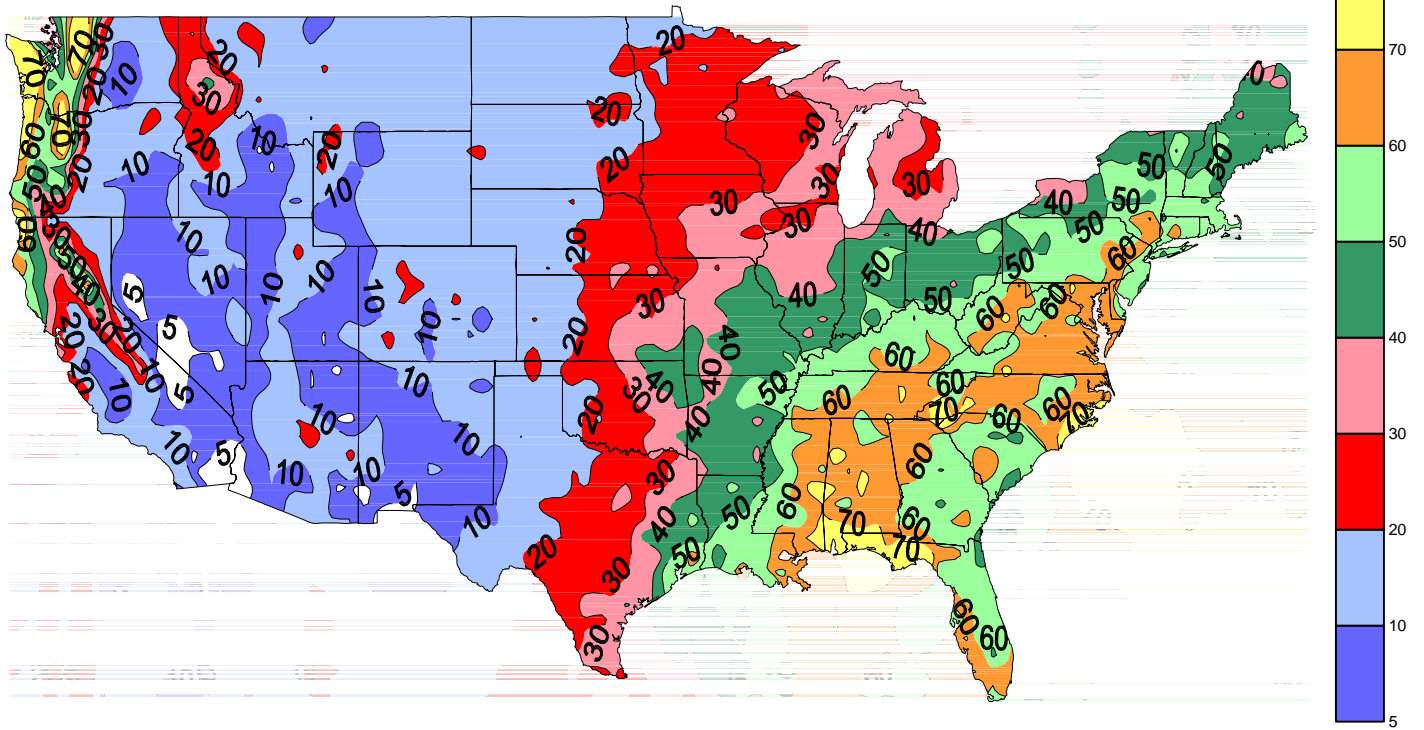
Information concerning the history of changes in locations, exposure, etc. of substations is kept on file at the National Climatic Data Center. Similar historical information of regular National Weather Service Offices is available from the "Local Climatological Data" annual bulletin.

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.

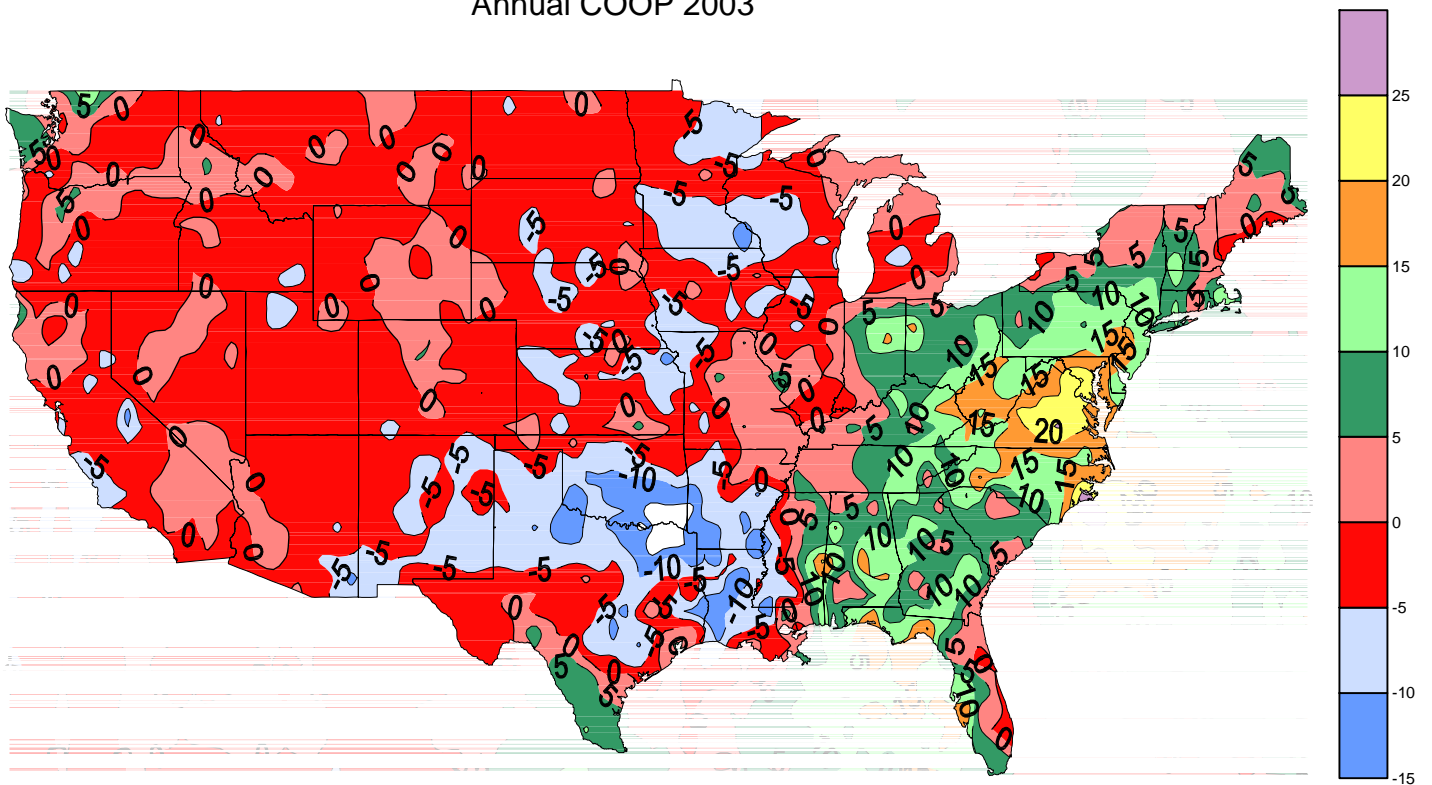
SUBSCRIPTION, PRICE, AND ORDERING INFORMATION AVAILABLE FROM:

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

Total Precipitation (Inches)
Annual COOP 2003

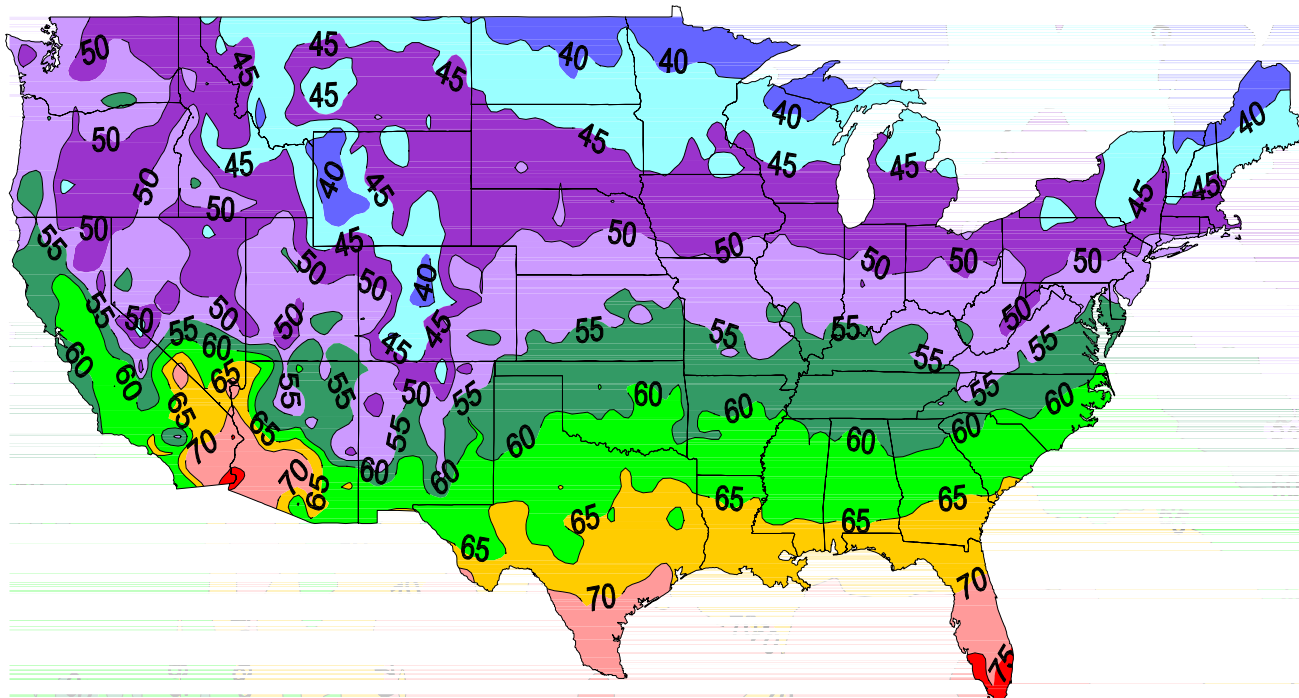


Departure from Normal Precipitation
Annual COOP 2003

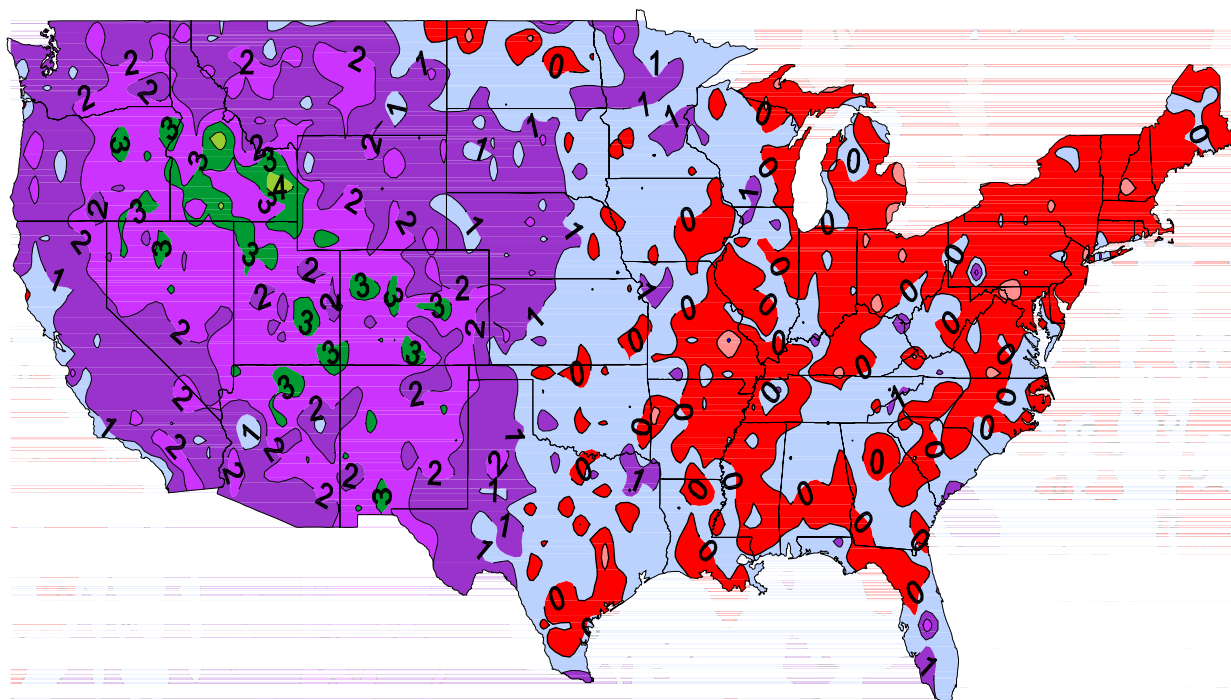


NOTE Contour maps are computer-generated and intended to show general temperature and precipitation patterns. Therefore, contours may not always account for individual datum points.

Average Temperature (Degrees F)
Annual COOP 2003

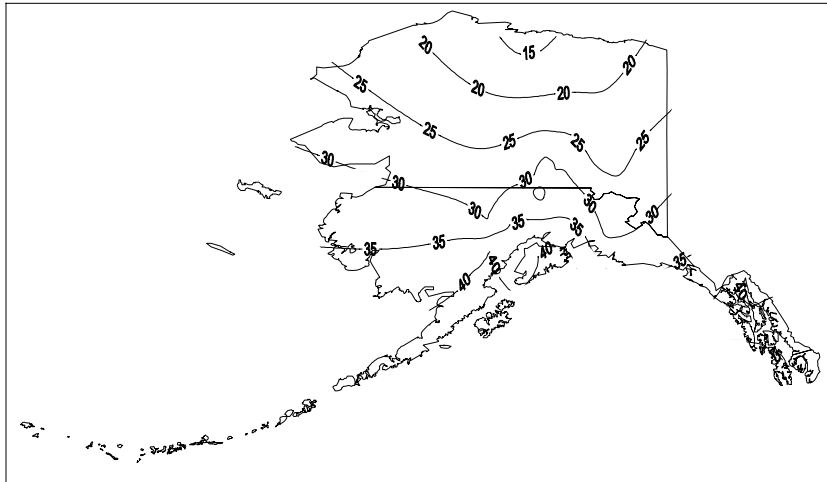


Departure of Average Temperature from Normal (Degrees F)
Annual COOP 2003

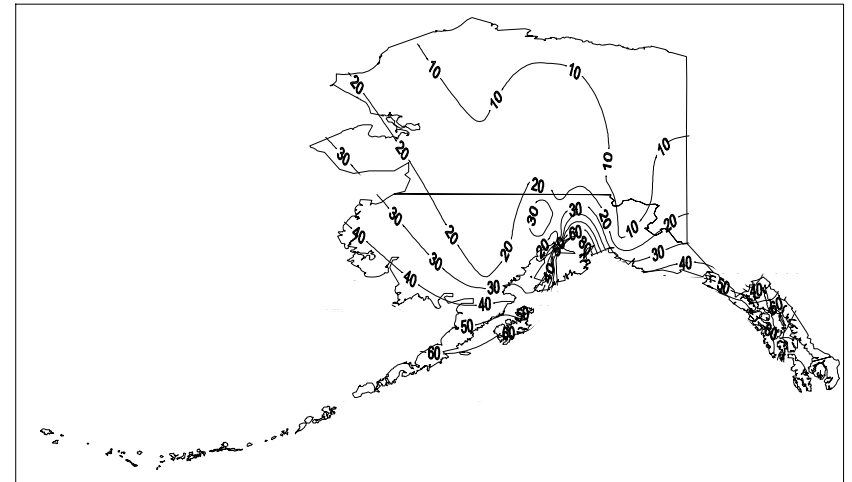


NOTE Contour maps are computer-generated and intended to show general temperature and precipitation patterns. Therefore, contours may not always account for individual datum points.

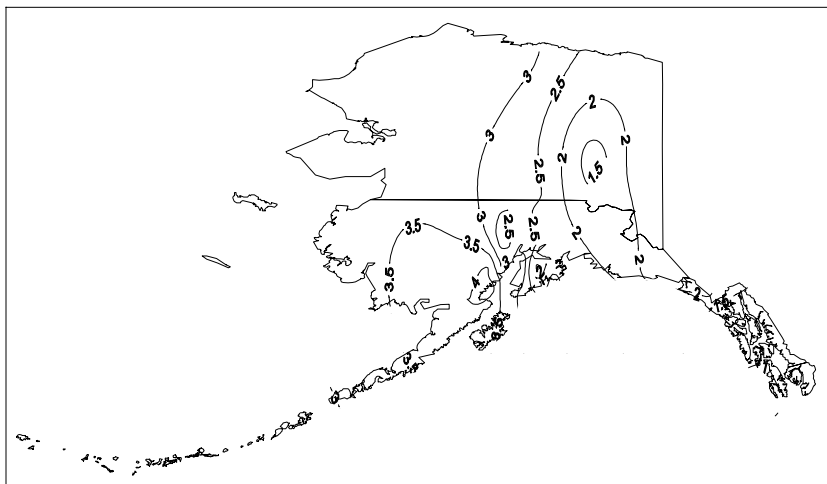
Average Temperature (Degrees F)
Annual COOP 2003



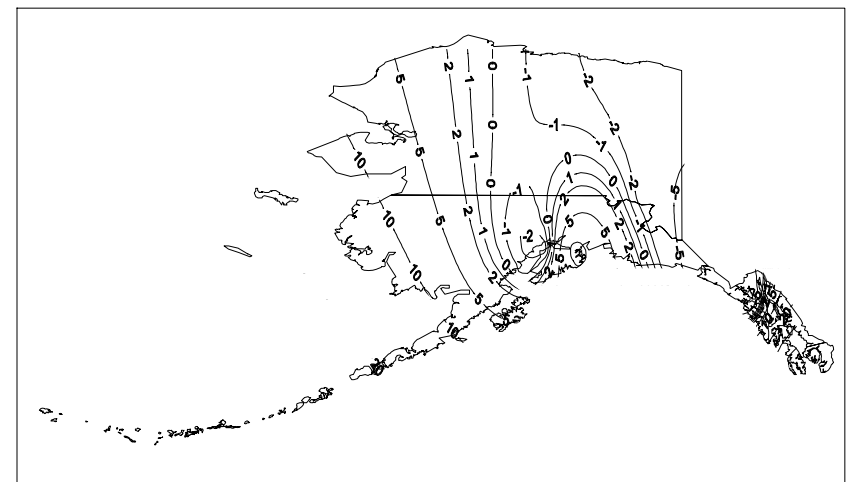
Alaska Precipitation (Inches)
Annual COOP 2003



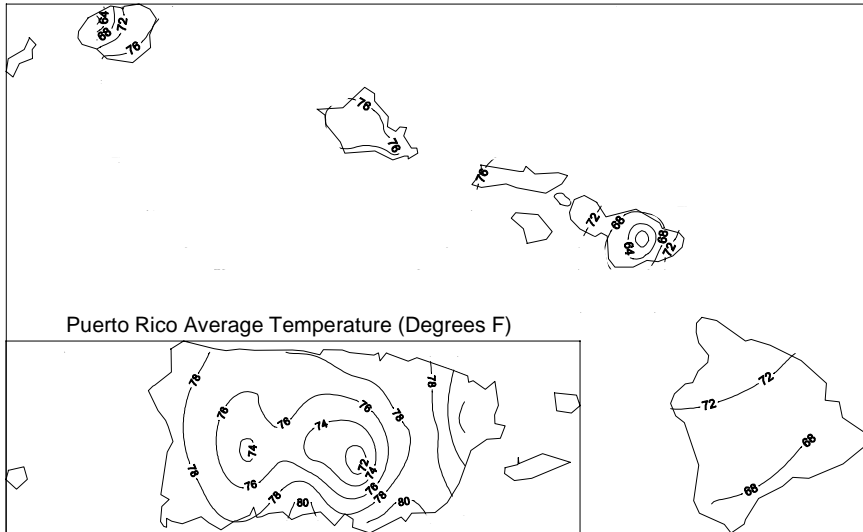
Departure of Average Temperature from Normal (Degrees F)
Annual COOP 2003



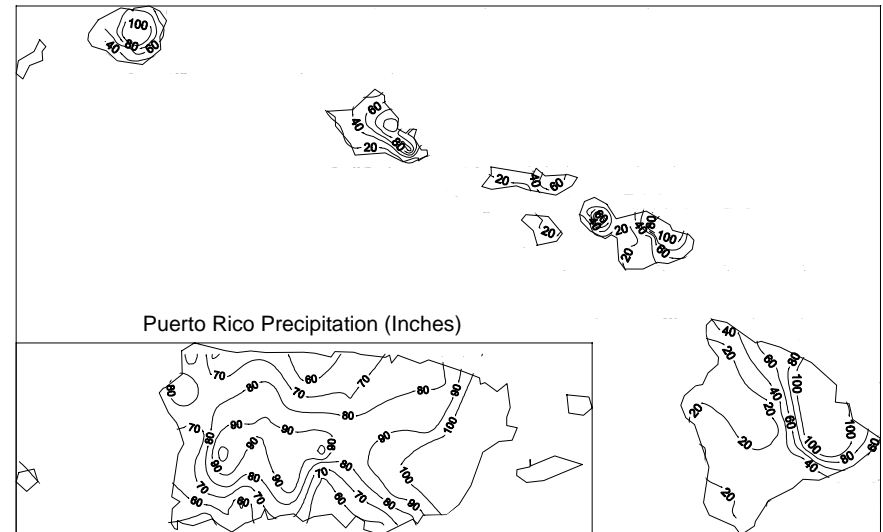
Departure of Normal Precipitation
Annual COOP 2003



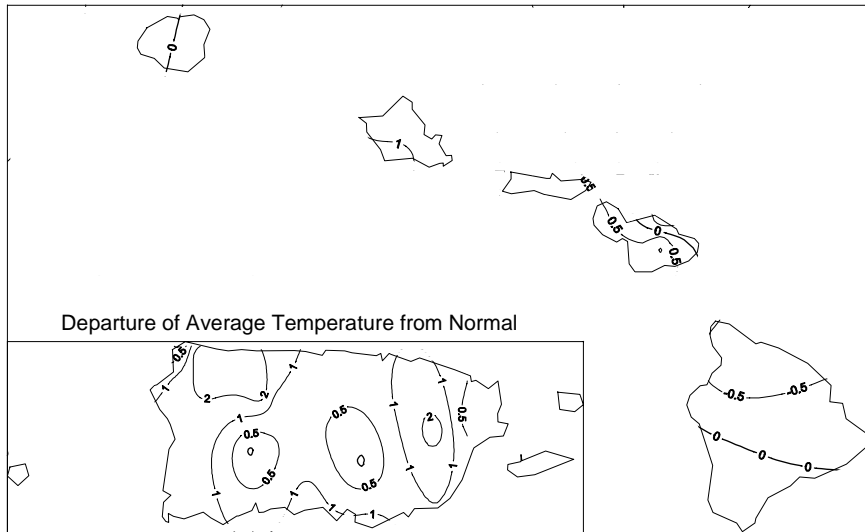
Hawaii Average Temperature (Degrees)
Annual COOP 2003



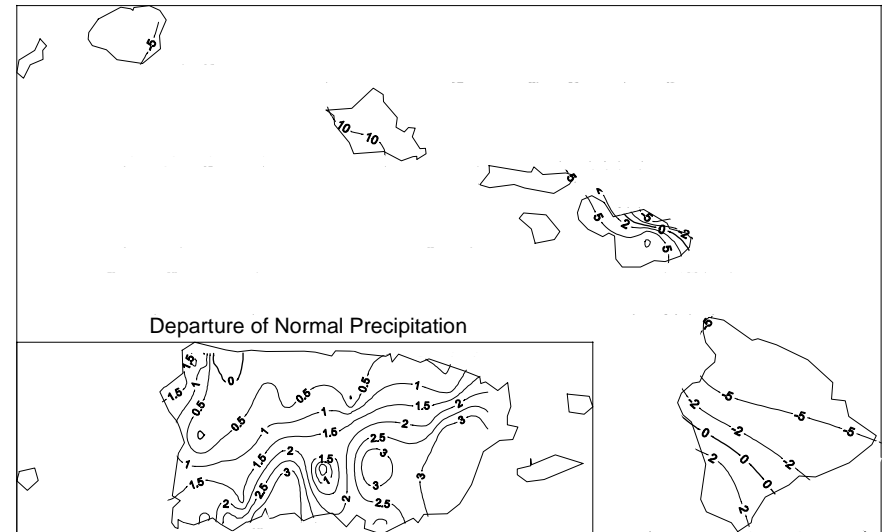
Hawaii Precipitation (Inches)
Annual COOP 2003

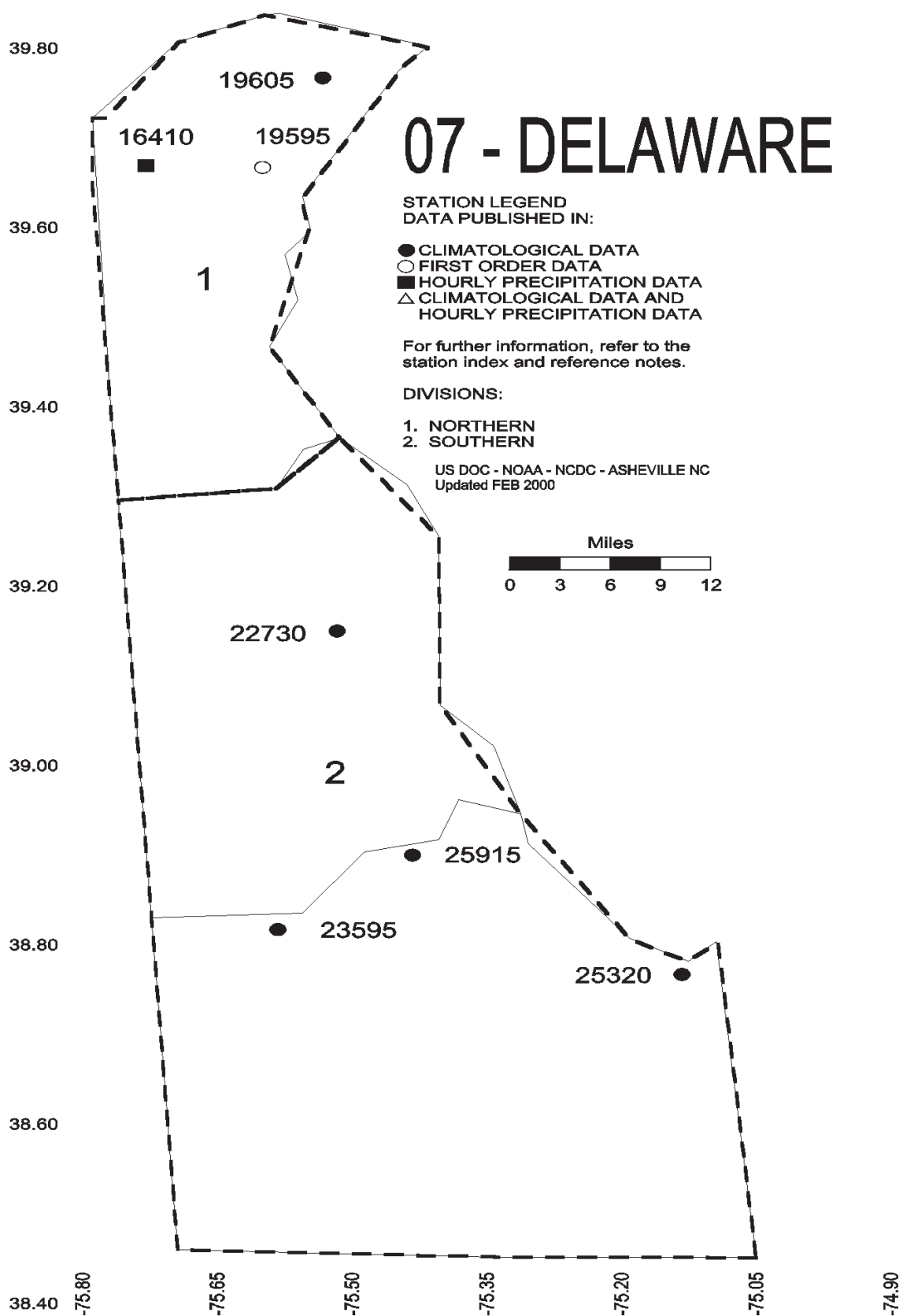


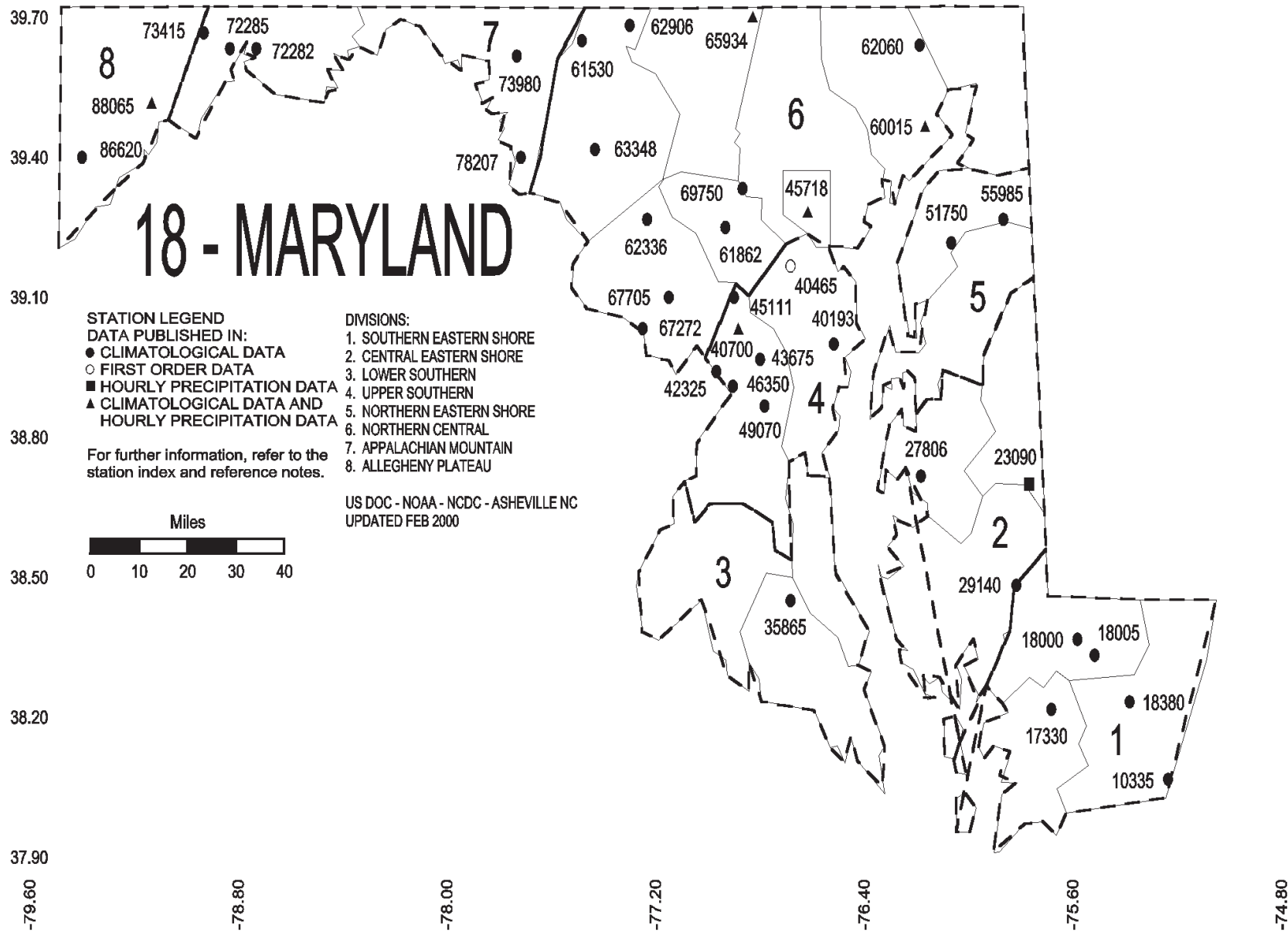
Departure of Average Temperature form Normal (Degrees)
Annual COOP 2003



Hawaii Departure of Normal Precipitation
Annual COOP 2003







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

Hourly Precipitation Data

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

Climatological Data

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

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

Storm Data

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

Monthly Climatic Data for the World

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

Local Climatological Data

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

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