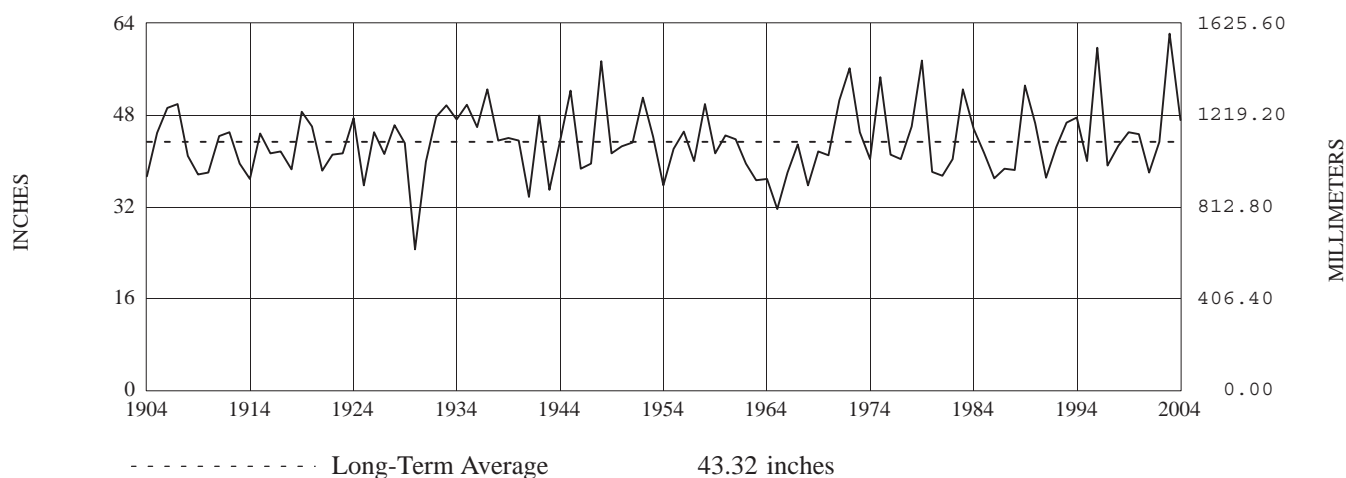


CLIMATOLOGICAL DATA ANNUAL SUMMARY

MARYLAND AND
DELAWARE
2004

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MARYLAND AND DELAWARE PRECIPITATION, 1904-2004

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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	2.31	-2.03	2.66	-.93	2.65	-1.61	M 4.68		M 1.72	-1.88	3.12	.27
PRINCESS ANNE	M 2.10		2.21	-.73	2.08	-2.16	M 4.68		M 1.71		4.22	1.09
SALISBURY	3.27	-.75	3.19	-.26	2.13	-2.42	5.92	2.58	2.43	-1.24	2.12	-1.50
SALISBURY POLICE BRKS	M 2.93		M 3.15		2.26		5.53		3.18		2.28	
SALISBURY FAA AP	3.43	-.66	2.48	-1.08	2.25	-2.37	5.11	1.70	2.69	-1.18	2.09	-1.48
SNOW HILL 4 N	3.37	-.65	1.87	-1.54	2.00	-2.67	5.39	2.15	3.70	.06	2.07	-1.36
--DIVISIONAL DATA----->	3.10	-.54	2.48	-.95	2.23	-1.89	5.49	2.32	2.74	-.72	2.65	-.74
CENTRAL EASTERN SHORE 02												
ROYAL OAK 2 SSW	2.04	-2.07	2.06	-1.29	2.34	-2.10	6.13	2.63	3.40	-.73	2.81	-.66
VIENNA	M 2.23		2.02	-1.31	2.14	-1.93	8.56	5.23	M 2.09		2.47	-1.25
--DIVISIONAL DATA----->	2.04	-1.54	2.04	-1.22	2.24	-1.50	7.35	4.00	3.40	-.55	2.64	-1.01
LOWER SOUTHERN 03												
MECHANICSVILLE 5 NE	2.35	-1.64	2.02	-1.35	1.52	-3.11	4.67	1.18	5.18	.96	5.97	1.70
SOLOMONS	M 2.65		M 2.00		1.72		7.23		2.88		4.35	
--DIVISIONAL DATA----->	2.35	-.93	2.02	-1.02	1.62	-2.07	5.95	2.76	4.03	-.05	5.16	1.44
UPPER SOUTHERN 04												
ANNAPOLIS POLICE BRKS	M 1.57		2.67	-.28	2.95	-1.22	7.97	4.63	M 3.63		M 6.08	
BALTIMORE WASH INTL AP R	1.26	-2.21	2.40	-.62	2.73	-1.20	5.33	2.33	5.05	1.16	4.17	.74
BELTSVILLE	1.61	-1.82	2.27	-.42	1.92	-1.95	4.29	.96	3.10	-1.44	4.35	.76
DALECARLIA RESERVOIR	1.91	-1.57	2.33	-.68	2.37	-1.76	M 4.21		3.13	-1.29	4.35	.66
GLENN DALE BELL STN	M 1.65		2.38	-.45	2.29	-1.66	4.21	.80	2.95	-1.74	M 6.48	
LAUREL 3 W	1.87	-1.65	2.49	-.52	2.85	-1.32	5.02	1.41	4.47	-.28	3.69	-.23
MD SCI CTR BALTIMORE R	1.38		2.39		2.84		5.21		3.61		3.33	
NATIONAL ARBORETUM DC	1.74	-1.83	2.55	-.29	2.26	-1.66	4.40	1.14	2.53	-1.76	4.38	.75
OXON HILL												
UPPER MARLBORO 3 NNW	M 1.54		2.30	-.46	2.49	-1.41	4.42	1.14	3.39	-.92	M 6.93	
--DIVISIONAL DATA----->	1.58	-1.47	2.41	-.53	2.48	-.93	5.12	1.80	3.39	-.83	4.12	.42
NORTHERN EASTERN SHORE 05												
CHESTERTOWN	1.82	-1.74	2.14	-.89	3.03	-1.13	4.82	1.48	3.59	-.50	1.83	-2.43
--DIVISIONAL DATA----->	1.82	-1.45	2.14	-.90	3.03	-.52	4.82	1.54	3.59	-.42	1.83	-2.16
NORTHERN CENTRAL 06												
ABERDEEN PHILLIPS FLD	M 1.49		M 3.38		2.26	-1.39	4.63	1.27	M 2.56		6.65	2.62
CATOCTIN MOUNTAIN PARK	2.53	-1.42	3.38	.05	2.85	-1.47	7.92	3.96	6.13	.99	9.16	4.55
CLARKSVILLE 3 NNE	M .79		1.72	-1.25	2.05	-2.10	M 2.87		M .80		M .70	
CONOWINGO DAM	M		M		M		M 5.12		M		M	
CYLBURN	M 1.60		M 2.55		M 2.79		5.12		M 3.20		M 4.43	
DAMASCUS 3 SSW	2.09		2.52		2.57		5.92		M 5.59		3.65	
EMMITSBURG 2 SE	M 1.73		3.55	.58	M		M 5.44		4.06	-.46	3.27	-1.08
FREDERICK 2 NNE					M		5.02		4.05		M 4.80	
MILLERS 4 NE	2.14	-1.50	2.94	.04	2.56	-1.21	5.39	1.94	4.79	.51	6.47	2.85
POTOMAC FILTER PLANT	1.75	-1.22	2.37	-.21	2.35	-1.08	5.09	1.87	4.12	.35	M 4.98	
ROCKVILLE 1 NE	1.65	-1.69	M 2.06		2.08	-1.81	4.66	1.47	3.45	-.93	M 1.87	
SMITHSBURG 2NW	2.48		3.26		2.04		M 5.98		6.12		6.06	
--DIVISIONAL DATA----->	2.10	-.98	2.82	-.15	2.40	-1.13	5.52	1.99	4.50	.13	5.88	1.90
APPALACHIAN MOUNTAIN 07												
CUMBERLAND 2	2.59	-.30	3.07	.64	2.77	-.53	4.98	1.82	4.23	.26	3.58	.46
CUMBERLAND POLICE BRK	M .91		M 3.28		M 2.75		5.06		M 2.93		M 2.55	
FROSTBURG 2	3.26	-.31	2.88	-.22	3.28	-.56	4.92	.95	5.22	.46	3.87	.03
HAGERSTOWN POLICE BRK	M .84		M 3.19		1.63		5.79		5.84		5.84	
SHARPSBURG 5 S	2.00		3.41		2.25		6.03		3.28		5.76	
--DIVISIONAL DATA----->	2.56	-.47	3.23	-.16	4.53	.26	5.42	.13	4.64	.71	4.76	1.31
ALLEGHENY PLATEAU 08												
OAKLAND 1 SE	3.79	.28	3.34	.16	4.82	.87	4.11	.04	5.73	.89	5.49	.89
SAVAGE RIVER DAM	M 2.94		M 2.84		2.98	-.30	4.04	.66	3.79	-.45	M 2.71	
--DIVISIONAL DATA----->	3.79	.61	3.34	.39	3.90	-.06	4.08	.01	4.76	.39	5.49	1.41

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	9.40	5.78	12.90	8.72	2.67	-1.03	2.15	-1.15	4.63	1.47	M			
PRINCESS ANNE	8.68	4.41	14.20	9.36	2.89	-1.03	2.74	-.57	M 4.69		M	1.80	M	
SALISBURY	5.88	1.34	12.88	8.16	3.10	-.89	1.30	-2.13	4.78	1.61		2.57	-.90	49.57
SALISBURY POLICE BRKS	4.36		8.35		2.46		.82		4.94			2.64		M 42.90
SALISBURY FAA AP	5.94	1.40	9.16	4.17	3.60	-.13	1.74	-1.90	5.53	2.23		2.91	-.81	46.93
SNOW HILL 4 N	3.95	-.53	12.37	6.97	3.24	-.51	1.14	-2.28	5.52	2.21		2.58	-.83	47.20
--DIVISIONAL DATA----->	6.37	2.32	11.64	6.77	2.99	-.42	1.65	-1.53	5.08	1.96		2.68	-.73	49.10
CENTRAL EASTERN SHORE 02														
ROYAL OAK 2 SSW	6.22	2.00	6.94	2.84	3.95	-.04	1.14	-2.32	5.39	1.96		3.06	-.61	45.48
VIENNA	5.50	1.64	8.24	3.87	3.47	-.05	2.49	-.65	4.00	.88	M	2.53		M 45.74
--DIVISIONAL DATA----->	5.86	1.92	7.59	3.19	3.71	.20	1.82	-1.25	4.70	1.38		3.06	-.50	46.45
LOWER SOUTHERN 03														
MECHANICSVILLE 5 NE	5.38	.90	2.88	-1.06	4.03	-.35	1.64	-2.28	5.42	1.99		2.86	-.54	43.92
SOLOMONS	M 11.18		8.78		4.92		M .82		5.58			2.65		M
--DIVISIONAL DATA----->	5.38	1.42	5.83	1.86	4.48	.81	1.64	-1.60	5.50	2.11		2.76	-.57	46.72
UPPER SOUTHERN 04														
ANNAPOLIS POLICE BRKS	M 3.58		3.28	-.76	7.71	3.46	M 2.20		6.93	3.60		4.13	.44	M
BALTIMORE WASH INTL AP R	8.69	4.84	2.71	-1.03	3.94	-.04	1.44	-1.72	5.02	1.90		2.93	-.42	45.67
BELTSVILLE	12.92	8.83	3.24	-.45	4.33	-.02	1.38	-2.18	4.01	.69		3.07	-.23	46.49
DALECARLIA RESERVOIR	M 8.67		4.35	.37	2.60	-1.70	1.57	-1.91	4.90	1.49		3.43	.02	
GLENN DALE BELL STN	5.32	1.14	3.32	-.77	5.39	1.36	1.36	-2.25	4.88	1.46		2.71	-.56	M 42.94
LAUREL 3 W	8.23	4.21	3.50	-.11	4.53	.00	1.54	-2.08	4.16	.18	M	3.75		M 46.10
MD SCI CTR BALTIMORE R	5.97		3.03		4.53		.82		4.18			2.84		40.13
NATIONAL ARBORETUM DC	6.36	2.15	4.58	.68	4.51	.43	1.32	-2.11	4.77	1.45		2.79	-.46	42.19
OXON HILL					4.64		1.25		4.85			3.22		
UPPER MARLBORO 3 NNW	5.39	1.28	3.96	.06	5.62	1.62	1.64	-2.02	5.07	1.82		2.73	-.47	M 45.48
--DIVISIONAL DATA----->	7.44	3.43	3.56	-.61	4.81	1.23	1.35	-1.96	4.96	1.56		3.09	-.28	44.31
NORTHERN EASTERN SHORE 05														
CHESTERTOWN	4.51	.57	2.98	-.78	4.89	.59	1.57	-1.80	5.07	1.73		2.65	-1.04	38.90
--DIVISIONAL DATA----->	4.51	.71	2.98	-.90	4.89	1.24	1.57	-1.57	5.07	1.68		2.65	-1.04	38.90
NORTHERN CENTRAL 06														
ABERDEEN PHILLIPS FLD	10.29	6.08	5.22	1.15	4.74	.26	2.18	-1.21	5.12	1.92		2.99	-.42	
CATOCTIN MOUNTAIN PARK	2.70	-1.12	4.73	.81	9.79	4.88	1.69	-2.20	3.92	.05		3.91	.47	58.71
CLARKSVILLE 3 NNE	4.91	.88	M		M		M		M		M			9.55
CONOWINGO DAM	9.51	5.31	M		M		M		M		M			
CYLBURN	M 5.69		M 2.74		M 5.81		1.63		M 4.55		M 3.97		M	
DAMASCUS 3 SSW	4.68		5.05		4.58		1.44		M 3.47		M 3.53		M 45.09	
EMMITSBURG 2 SE	M 4.48		2.99	-.61	9.38	5.12	2.96	-.52	4.31	.51	M 2.30			
FREDERICK 2 NNE	5.56		M 1.66		6.72		1.91		M 2.79		M 2.79			
MILLERS 4 NE	4.08	.51	3.69	-.02	8.97	4.83	1.55	-1.89	3.25	-.36		4.09	.55	49.92
POTOMAC FILTER PLANT	6.02	2.45	2.49	-.95	4.81	.77	1.52	-1.69	4.64	1.25		3.33	.18	M 43.47
ROCKVILLE 1 NE	M		M		2.62	-1.47	.90	-2.46	M 4.00			2.75	-.42	
SMITHSBURG 2NW	M 1.52		M 1.46		7.18		1.51		3.00			3.37		M 43.98
--DIVISIONAL DATA----->	5.96	2.16	4.34	.49	6.75	3.04	1.75	-1.59	3.92	.34		3.44	-.03	49.38
APPALACHIAN MOUNTAIN 07														
CUMBERLAND 2	5.78	2.36	2.73	-.80	6.33	3.15	1.89	-.80	3.62	.71		2.20	-.41	43.77
CUMBERLAND POLICE BRK	M 6.09		M 1.32		8.67		1.43		3.85		M 2.11			6.56
FROSTBURG 2	6.82	2.91	5.00	1.18	M 10.39		2.62	-.59	4.09	.33		2.37	-.79	M 54.72
HAGERSTOWN POLICE BRK	2.52		2.62		6.62		2.48		M 2.64			3.02		M 43.03
SHARPSBURG 5 S	M 2.43		1.25		9.25		1.91		2.90			3.18		M 43.65
--DIVISIONAL DATA----->	5.04	1.50	2.90	-.44	7.72	4.52	2.07	-1.10	3.62	.51		2.69	-.13	49.18
ALLEGHENY PLATEAU 08														
OAKLAND 1 SE	5.22	-.01	5.99	1.84	3.80	.24	3.88	.76	4.23	.55		3.21	-.46	53.61
SAVAGE RIVER DAM	2.89	-1.30	5.70	2.33	7.04	3.56	1.64	-1.17	3.12	.12	M 2.28		M	6.05
--DIVISIONAL DATA----->	4.06	-.80	5.85	2.02	5.42	2.10	2.76	-.41	3.68	.12		3.21	-.47	50.34

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	1.62		2.55		3.26		5.33		3.68		6.29	
NEWARK UNIV FARM	M 1.66	-1.77	2.32	-.41	M 2.96	-1.01	M 5.61	2.22	3.93	-.48	M 6.98	3.39
WILMINGTON NEW CASTLE R	1.66	-1.77	2.33	-.48	2.96	-1.01	5.61	2.22	4.41	.26	6.98	3.39
WILMINGTON PORTER RSVR	1.98	-1.49	2.68	-.37	3.76	-.05	6.26	2.25	3.66	-.67	7.14	3.08
--DIVISIONAL DATA----->	1.75	-1.43	2.47	-.38	3.33	-.14	5.73	2.16	3.92	-.13	6.80	3.04
SOUTHERN 02												
DOVER	2.19	-1.75	2.16	-.88	3.08	-1.32	5.65	2.18	M 2.03		5.04	1.27
GREENWOOD 2NE	2.44	-1.48	1.96	-1.22	2.26	-2.41	5.51	2.06	3.34	-.97	2.56	-1.00
LEWES	2.46	-1.55	1.84	-1.38	2.99	-1.46	6.26	2.72	2.42	-1.49	2.65	-.50
MILFORD 2 SE	2.53	-1.55	M 2.36		2.12	-2.39	5.84	2.34	M 2.19		M 6.06	
SMYRNA 1 W	1.71		2.36		3.17		6.35		2.19		6.06	
--DIVISIONAL DATA----->	2.27	-1.37	2.08	-1.10	2.72	-1.22	5.92	2.44	2.65	-1.23	4.08	.59

MARYLAND AND DELAWARE
2004

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	11.01		5.94		M		2.31		5.22		3.18			
NEWARK UNIV FARM	11.31	6.82	M		8.97	4.69	2.74	-.64	M		3.62	.06		
WILMINGTON NEW CASTLE R	8.24	3.96	5.33	1.82	9.29	5.28	2.43	-.65	4.65	1.46	2.84	-.56	56.73	13.92
WILMINGTON PORTER RSVR	11.66	7.27	3.08	-.97	9.55	5.60	2.96	-.34	5.16	1.36	M			
--DIVISIONAL DATA----->	10.56	6.34	4.78	1.15	9.27	5.65	2.61	-.52	5.01	1.60	3.21	-.35	59.44	16.99
SOUTHERN 02														
DOVER	M 7.89		4.30	-.43	3.40	-1.16	1.53	-1.73	5.01	1.85	2.60	-.90	M 44.88	
GREENWOOD 2NE	3.60	-1.24	6.38	2.31	2.46	-1.65	2.44	-.71	4.54	1.41	2.68	-.92	40.17	-5.82
LEWES	3.83	-.36	M 6.90		2.49	-1.28	1.78	-1.64	4.98	1.65	2.93	-.74	M 41.53	
MILFORD 2 SE	M		M		M									
SMYRNA 1 W	M		M		M		M		M		M			
--DIVISIONAL DATA----->	3.72	-.17	5.34	.56	2.78	-.86	1.92	-1.31	4.84	1.63	2.74	-.85	41.06	-2.89

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	33.4	-2.9	38.0	.0	45.5	1.6	M		65.8	4.3	72.1	1.9	78.0	2.4	75.6	.2	72.4	2.1	60.2	.6	51.8	2.1	M		M		
PRINCESS ANNE	M		M		M		M		M		M		M		M		M		M		M		M		M		
SALISBURY	33.1	-4.1	39.2	-1	49.0	2.0		57.5	1.6	72.3	7.5	74.0	1.1	78.6	1.1	75.6	-.4	71.5	1.5	58.7	-.4	51.3	1.3	42.3	1.1	58.6	1.0
SALISBURY POLICE BRKS	32.5		38.7		48.9			58.0		74.1		75.9		80.5		76.9		71.4		58.8		51.0		42.1		59.1	
SALISBURY FAA AP	29.6	-6.1	35.3	-2.6	M45.1	-.4	54.0	-.3	68.8	5.4	69.5	-2.7	75.3	-2.0	72.8	-2.7	68.0	-1.1	55.1	-2.5	47.1	-1.5	38.4	-1.6	M54.9	-1.5	
SNOW HILL 4 N	32.8	-4.2	38.0	-1.0	47.9	1.4	56.6	1.1	71.9	7.1	73.1	.2	76.9	-.1	74.3	-1.0	70.0	.4	57.7	-.7	50.5	1.1	41.5	.5	57.6	.4	
--DIVISIONAL DATA----->	32.3	-3.0	37.8	.4	47.3	1.7	56.5	2.3	70.6	6.9	72.9	.7	77.9	1.3	75.0	-.7	70.7	1.2	58.1	-.6	50.3	.7	41.1	1.0	57.5	1.0	
CENTRAL EASTERN SHORE 02																											
ROYAL OAK 2 SSW	32.2	-3.9	37.7	-.8	48.5	1.8	57.8	1.7	72.7	7.0	73.6	-.6	77.9	-.7	76.5	-.4	70.8	.1	58.7	-1.1	50.6	.5	41.4	.6	58.2	.4	
VIENNA	M33.0	-3.1	M39.1	.9	48.9	2.5	57.0	1.4	72.8	7.9	M73.8	.5	M79.9	1.8	76.0	-.1	71.4	1.5	58.6	-.2	50.8	1.5	41.6	1.1	M58.6	1.3	
--DIVISIONAL DATA----->	32.6	-1.6	38.4	1.7	48.7	2.9	57.4	2.6	72.8	8.1	73.7	.4	78.9	1.5	76.3	.2	71.1	1.5	58.7	-.1	50.7	1.5	41.5	2.3	58.4	1.8	
LOWER SOUTHERN 03																											
MECHANICSVILLE 5 NE	31.1	-3.8	36.6	-1.3	47.9	1.7	54.7	-.6	68.8	4.9	69.9	-2.1	74.6	-2.0	72.7	-2.1	67.8	-.5	54.7	-2.0	49.1	1.2	37.2	-2.3	55.4	-.7	
SOLOMONS	M33.4		M38.8		49.0		58.0		73.0		M75.6		M		M78.3		M73.3		M60.7		M53.2		M44.3		M		
--DIVISIONAL DATA----->	32.3	-1.7	37.7	.9	48.5	2.6	56.4	1.5	70.9	6.5	72.8	.3	74.6	-2.0	75.5	.1	70.6	1.6	57.7	-.2	51.2	2.6	40.8	2.0	57.4	1.2	
UPPER SOUTHERN 04																											
ANNAPOLIS POLICE BRKS	M29.6	-3.2	37.0	1.9	47.5	3.9	58.6	5.0	72.3	8.7	74.3	1.9	79.1	1.6	76.6	1.0	73.0	4.7	60.2	3.6	50.4	4.4	40.9	3.2	M58.3	3.1	
BALTIMORE WASH INTL AP R	M27.9	-4.4	34.8	-.7	45.6	1.9	54.7	1.5	69.8	6.9	70.9	-.9	76.2	-.3	74.2	-.3	69.4	2.0	55.4	.0	48.5	3.0	37.5	.8	M55.4	.8	
BELTSVILLE	28.2	-4.4	34.5	-.9	46.1	2.3	54.3	1.0	69.9	6.9	71.0	-1.1	75.9	-1.0	74.5	-.8	69.5	1.1	55.6	-.5	49.2	2.5	37.4	.1	55.5	.4	
DALECARLIA RESERVOIR	30.2	-3.8	36.0	-1.4	48.4	2.7	M		73.0	8.1	74.2	1.0	78.6	1.0	M74.7	-1.5	71.1	1.8	58.2	.9	49.9	2.7	38.7	.5	M		
GLENN DALE BELL STN	26.7	-5.1	33.4	-1.0	46.2	2.9	54.3	2.3	70.1	8.4	70.5	.2	76.0	.8	74.6	.8	68.8	2.1	54.5	-.6	47.8	2.9	36.4	-.1	54.9	1.1	
MD SCI CTR BALTIMORE	29.0		37.7		47.4		56.6		71.6		75.0		79.9		77.2		73.7		59.3		51.6		40.4		58.3		
NATIONAL ARBORETUM DC	29.8	-3.7	36.3	.1	47.4	3.0	56.2	2.1	71.4	7.3	72.9	-.2	77.9	.0	76.0	-.1	70.7	2.0	57.2	.6	50.5	3.6	38.9	.9	57.1	1.3	
OXON HILL																	70.2		56.9		50.3		39.0		M		
UPPER MARLBORO 3 NNW	28.8	-3.7	34.8	-.6	45.4	1.6	55.2	1.8	70.7	8.0	71.2	-.1	76.3	.4	74.5	.4	69.5	2.3	55.6	.3	49.1	2.8	37.6	.6	55.7	1.2	
--DIVISIONAL DATA----->	28.8	-3.6	35.6	.4	46.8	2.2	55.7	1.8	71.1	7.4	72.5	.2	77.5	.9	75.3	.0	70.7	2.2	57.0	.2	49.7	2.5	38.5	1.4	56.6	1.3	
NORTHERN EASTERN SHORE 05																											
CHESTERTOWN	28.6	-4.6	36.4	.5	46.3	1.9	55.6	1.5	71.4	7.5	73.2	.5	78.5	1.1	76.2	.4	70.6	1.8	56.9	-.3	48.2	1.1	38.3	.7	56.7	1.0	
--DIVISIONAL DATA----->	28.6	-3.6	36.4	1.5	46.3	2.1	55.6	2.2	71.4	7.9	73.2	1.0	78.5	2.0	76.2	1.0	70.6	2.0	56.9	-.4	48.2	.7	38.3	1.3	56.7	1.5	
NORTHERN CENTRAL 06																											
ABERDEEN PHILLIPS FLD	M		M		M46.1	1.3	M56.6	2.0	M		M73.9	1.7	M		M76.3	.9	M71.3	2.4	M		M49.3	1.7	M		M		
CATOCTIN MOUNTAIN PARK	23.6	-5.4	31.5	-.7	43.6	2.7	52.7	.8	67.2	5.6	67.7	-1.5	72.3	-.8	70.9	-.6	66.4	1.3	53.5	-1.0	45.9	2.1	34.8	1.0	52.5	.3	
CLARKSVILLE 3 NNE	27.6	-3.8	33.2	-1.1	44.7	1.9	53.7	1.3	68.9	6.7	69.1	-1.6	75.2	.1	M		M		M		M		M		M		
CONOWINGO DAM	M		M		M		51.5	-.9	M		M		75.3	-.9	M		M		M		M		M		M		
CYLBURN	M28.1		M34.9		45.3		M54.4		M68.4		M		M69.7		M		M		M		M		M		M		
DAMASCUS 3 SSW	24.9		32.9		44.3		53.9		68.0		68.5		74.0		71.5		67.0		53.7		47.2		35.9		53.5		
EMMITSBURG 2 SE	25.9	-5.1	31.7	-2.4	44.7	1.7	53.5	.7	M67.6	5.4	69.5	-1.0	74.1	-.9	72.3	-1.0	67.7	1.3	54.1	-.8	48.2	3.4	36.4	.5	M53.8	.2	
FREDERICK 2 NNE					M		53.5		69.4		70.7		75.8		M73.9		68.5		54.7		M		M36.6		M		
MILLERS 4 NE	25.1	-5.3	32.6	-.8	44.5	2.8	53.6	1.8	68.1	6.8	69.0	-.7	73.3	-.6	72.4	-.1	68.1	2.5	54.1	-.9	47.1	2.3	35.9	.5	53.7	.7	
ROCKVILLE 1 NE	27.1	-4.7	33.1	-1.5	44.7	1.5	55.7	2.4	70.5	8.2	71.5	.8	M		M		69.2	2.7	56.4	1.3	49.3	4.1	37.9	1.6	M		
SMITHSBURG 2NW									68.9		72.9		M72.9		71.7		67.1		52.6		46.4		34.2		M		
--DIVISIONAL DATA----->	26.0	-4.8	32.8	-.7	44.7	1.7	53.9	1.3	68.5	5.9	69.9	-1.1	73.6	-1.6	72.7	-1.1	68.2	1.1	54.2	-1.5	47.6	1.8	36.0	.6	54.0	.1	
APPALACHIAN MOUNTAIN 07																											
CUMBERLAND 2	25.6	-4.7	32.3	-1.6	45.3	2.6	54.2	1.3	68.5	6.3	70.4	.2	73.9	-.6	72.9	.0	67.8	2.0	54.8	.9	47.8	4.2	35.1	.9	54.1	1.0	
CUMBERLAND POLICE BRK	25.6		31.5		43.7		53.3		67.7		M68.5		72.8		70.9		66.1		52.6		46.9		34.3		M52.8		
FROSTBURG 2	20.6	-3.9	26.0	-1.3	39.0	3.7	47.2	1.3	63.3	7.1	63.7	-.5	68.2	-.3	66.4	-.8	62.5	2.2	50.0	.7	43.1	4.0	30.0	.5	48.3	1.1	
HAGERSTOWN POLICE BRK	26.8		32.6		44.9		54.9		69.2		70.4		74.9		73.1		68.3		55.1		48.5		36.5		54.6		
SHARPSBURG 5 S	26.0		31.0		M45.8		52.5		67.8		69.3		M74.0		72.8		67.2		53.5		46.9		34.9		M53.5		
--DIVISIONAL DATA----->	34.1	17.1	43.4	21.1	57.2	33.3	66.1	42.2	67.3	6.1	68.5	-.7	72.8	-.4	71.2	-.7	66.4	1.2	53.2	-.6	46.6	2.6	34.2	.6	56.8	10.2	
ALLEGHENY PLATEAU 08																											

MARYLAND AND DELAWARE
2004

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	21.5	-5.3	28.0	-1.3	41.1	3.2	48.6	1.1	63.2	6.5	64.3	.0	67.9	- .5	66.0	-1.1	62.6	1.8	51.6	1.6	44.5	4.5	31.8	.5	49.3	.9
SAVAGE RIVER DAM	23.2	-3.0	27.2	-1.4	40.2	3.1	48.2	.8	64.0	6.7	65.3	-.2	69.2	- .5	67.4	-.9	63.6	2.1	50.9	.9	44.7	4.3	32.1	1.1	49.7	1.1
--DIVISIONAL DATA----->	22.4	-2.4	27.6	.5	40.7	3.9	48.4	1.6	63.6	7.0	64.8	.6	68.6	.6	66.7	-.2	63.1	2.5	51.3	1.8	44.6	4.6	32.0	2.4	49.5	1.9
DELAWARE																										
NORTHERN 01																										
BEAR 2 SW	25.5		33.3		44.5		53.7		68.5		70.3		75.0		73.7		M		54.6		46.1		36.5		M	
NEWARK UNIV FARM	M		33.2	-2.0	M		M		69.1	5.8	M		M73.8	-2.6	M		69.6	1.9	55.5	-.6	M		36.5	-.6	M	
WILMINGTON NEW CASTLE R	25.4	-6.1	34.0	-.2	44.6	1.9	53.7	1.3	68.2	5.7	70.1	-1.4	74.7	-1.9	73.1	-1.9	68.8	1.1	54.6	-1.2	47.0	1.1	36.7	.3	54.2	-.1
WILMINGTON PORTER RSVR	24.6	-5.5	34.0	1.3	44.1	2.3	53.0	1.5	68.0	6.1	69.9	-.9	74.2	-1.0	72.8	-1.0	68.7	1.9	54.7	-.9	47.0	1.3	M		M	
--DIVISIONAL DATA----->	25.2	-5.6	33.6	.1	44.4	1.7	53.5	1.3	68.5	5.9	70.1	-1.4	74.4	-1.5	73.2	-1.3	69.0	1.3	54.9	-1.3	46.7	.4	36.6	.7	54.2	.0
SOUTHERN 02																										
DOVER	30.1	-5.2	37.2	-.5	47.5	2.1	56.0	1.4	70.8	6.5	72.5	-.4	76.6	-1.2	75.5	-.7	70.5	.6	57.0	-1.8	50.2	1.0	40.5	.6	57.0	.2
GREENWOOD 2NE	28.6	-4.5	34.6	.3	44.7	1.4	53.6	1.4	68.6	6.8	70.4	-.3	75.6	-.1	73.2	-.7	69.0	2.1	55.5	-.5	48.9	2.4	37.5	.2	55.0	.7
LEWES	32.1	-4.3	38.6	.3	47.5	1.9	56.3	1.7	71.7	7.7	73.6	1.1	78.0	.7	75.9	.0	71.3	1.1	58.7	-.5	51.0	1.0	42.5	1.4	58.1	1.0
MILFORD 2 SE	29.2	-4.4	M		M		M54.7	1.6	M		M		M		M		M		M		M		M		M	
SMYRNA 1 W	26.3		33.0		43.5		53.4		68.7		69.8		M		M		M		M		M		M		M	
--DIVISIONAL DATA----->	29.3	-4.4	35.9	.0	45.8	1.2	54.8	1.4	70.0	6.7	71.6	-.5	76.7	.3	74.9	-.2	70.3	1.6	57.1	-.6	50.0	1.5	40.2	1.6	56.4	.7

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																													
ASSATEAGUE					1/26	14	2/ 2	19	MSG		MSG		MSG		11/27	30	11/28	28	MSG		MSG		MSG						
PRINCESS ANNE					MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG						
SALISBURY	92	7/ 6	9	1/10	1/31	16	2/16	20	3/23	24	3/23	24	3/24	31	11/ 9	31	12/ 4	28	12/16	21	12/20	13	12/20	13	324	308	268	256	230
SALISBURY POLICE BRKS	96	7/ 8	9	1/11	1/31	15	2/17	20	3/23	22	3/23	22	4/ 5	32	11/ 9	31	12/ 4	26	12/16	20	12/16	20	12/20	12	324	303	268	256	218
SALISBURY FAA AP	94	7/ 5	5	1/11	3/23	14	3/23	14	3/23	14	4/ 6	28	4/16	32	10/17	32	11/ 6	28	11/ 9	23	12/15	19	12/16	16	268	267	231	214	184
SNOW HILL 4 N	94	5/23	6	12/28	2/17	15	3/23	17	3/23	17	3/24	27	4/10	32	10/18	32	11/ 9	27	12/16	18	12/16	18	12/20	11	307	268	268	230	191
CENTRAL EASTERN SHORE 02																													
ROYAL OAK 2 SSW	93	8/20	8	1/11	2/ 2	14	2/17	19	2/17	19	3/23	25	3/24	32	11/ 9	32	11/10	27	12/16	21	12/20	11	12/20	11	322	307	303	232	230
VIENNA	94	7/ 6	6	1/11	2/ 2	14	2/17	18	3/20	24	3/23	27	4/ 5	31	11/ 9	30	11/10	25	12/16	18	12/16	18	12/20	11	322	303	271	232	218
LOWER SOUTHERN 03																													
MECHANICSVILLE 5 NE	90	7/ 6	6	1/11	2/ 2	12	3/23	19	3/23	19	3/24	27	4/17	32	11/ 9	30	11/10	26	12/ 4	24	12/16	17	12/20	10	322	268	256	231	206
SOLOMONS	12	12/20	12	12/20	2/ 1	16	2/17	20	2/17	20	3/23	27	4/ 5	31	12/15	25	12/15	26	12/ 4	12	12/20	12	12/20	12	323	307	307	267	254
UPPER SOUTHERN 04																													
ANNAPOLIS POLICE BRKS	94	7/ 4	10	1/11	2/ 1	12	2/17	20	3/23	23	3/23	23	4/ 6	30	11/14	26	11/14	26	12/16	23	12/20	11	12/20	11	323	307	268	236	222
BALTIMORE WASH INTL AP	R 92	7/ 5	6	1/10	2/16	16	2/17	18	3/23	21	3/24	27	4/ 6	29	11/ 9	31	11/10	26	12/ 4	23	12/16	19	12/20	9	308	303	256	231	217
BELTSVILLE	92	6/10	6	1/10	2/16	16	2/17	17	3/23	21	3/24	27	4/ 6	31	11/ 9	31	11/10	27	12/15	23	12/16	18	12/20	10	308	303	267	231	217
DALECARLIA RESERVOIR					2/16	16	2/17	20	MSG		MSG		MSG		11/ 6	29	11/ 9	26	11/10	24	12/15	19	12/16	15	304	302			
GLENN DALE BELL STN	93	8/21	5	1/11	3/23	16	3/23	16	3/24	24	4/16	28	4/16	28	10/18	31	11/ 9	26	11/10	24	12/16	15	12/16	15	268	268	231	207	185
MD SCI CTR BALTIMORE	R 95	6/ 9	7	1/10	2/ 1	16	2/16	18	2/16	18	3/23	28	4/ 5	32	12/ 4	32	12/15	26	12/19	20	12/19	20	12/20	11	323	307	307	267	243
NATIONAL ARBORETUM DC	92	8/21	7	1/10	2/ 3	14	2/17	18	3/23	24	3/23	24	4/ 6	31	11/10	29	12/ 4	27	12/16	22	12/20	11	12/20	11	321	307	268	256	218
OXON HILL					MSG		MSG		MSG		MSG		MSG		11/10	29	12/ 4	26	12/16	20	12/16	20	12/20	9					
UPPER MARLBORO 3 NNW	92	8/ 5	6	1/29	2/17	16	3/23	20	3/24	21	3/25	28	4/ 6	31	11/ 9	31	11/10	25	12/ 4	23	12/16	17	12/20	9	307	268	255	230	217
NORTHERN EASTERN SHORE 05																													
CHESTERTOWN	98	7/ 5	5	1/10	2/16	15	2/17	17	3/23	23	3/23	23	4/ 6	31	11/ 9	29	11/10	24	11/10	24	12/15	20	12/20	8	308	302	232	232	217
NORTHERN CENTRAL 06																													
ABERDEEN PHILLIPS FLD					MSG		3/23	19	3/23	19	3/24	26	MSG		MSG		MSG		MSG		MSG		MSG						
CATOCTIN MOUNTAIN PARK	89	4/19	-2	1/10	2/17	14	3/22	19	3/23	21	4/ 6	27	4/28	30	11/ 9	29	11/10	26	12/15	18	12/15	18	12/20	1	307	268	267	218	195
CLARKSVILLE 3 NNE					3/23	16	3/23	16	3/24	22	3/24	22	4/16	30	MSG		MSG		MSG		MSG		MSG						
CONOWINGO DAM					MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG						
CYLBURN					2/17	15	2/17	15	3/23	23	3/24	27	4/ 7	32	MSG		MSG		MSG		MSG		MSG						
DAMASCUS 3 SSW	89	8/20	1	1/10	3/23	15	3/23	15	3/23	15	4/ 5	26	4/ 6	30	11/ 9	26	11/ 9	26	12/15	18	12/15	18	12/20	5	272	267	267	218	217
EMMITSBURG 2 SE	89	8/20	-4	2/ 2	3/23	16	3/23	16	3/24	22	4/ 5	28	4/28	32	10/13	32	11/10	28	11/15	24	12/ 4	19	12/16	16	268	256	236	219	168
FREDERICK 2 NNE	92	6/16			MSG		MSG		MSG		MSG		4/ 6	29	MSG		MSG		MSG		MSG		MSG						
MILLERS 4 NE	89	8/28	-1	1/25	2/17	12	3/23	17	3/23	17	4/ 6	25	4/ 6	25	10/18	32	11/10	24	11/10	24	12/15	18	12/16	16	303	267	232	218	195
ROCKVILLE 1 NE			3	1/10	2/17	15	3/23	19	3/24	22	4/ 5	28	4/ 6	31	11/ 9	29	11/10	26	12/ 4	23	12/15	20	12/19	15	306	267	255	219	217
SMITHSBURG 2NW					MSG		MSG		MSG		MSG		MSG		10/12	32	11/ 9	26	11/14	20	11/14	20	12/20	5					
APPALACHIAN MOUNTAIN 07																													
CUMBERLAND 2	93	6/15	3	1/25	2/18	15	3/23	20	3/23	20	4/ 5	28	4/ 6	31	10/17	32	11/ 9	25	11/14	24	12/15	15	12/15	15	301	267	236	218	194
CUMBERLAND POLICE BRK	90	6/15	1	2/ 1	2/18	13	3/24	18	3/24	18	4/ 6	26	4/28	32	10/ 6	32	11/ 9	26	11/10	24	12/15	20	12/16	14	302	266	231	217	161
FROSTBURG 2	86	8/29	-5	1/25	3/23	13	4/ 6	20	4/ 6	20	4/ 7	27	5/ 5	30	11/ 9	26	11/11	24	12/15	14	12/15	14	12/15	14	267	253	219	216	188
HAGERSTOWN POLICE BRK	90	8/ 4	1	2/ 1	2/18	16	3/23	20	3/23	20	4/ 6	28	4/16	32	11/ 9	31	11/10	26	12/ 4	22	12/16	15	12/16	15	302	268	256	218	207
SHARPSBURG 5 S	94	8/29	-3	1/25	2/17	8	3/24	20	3/24	20	4/ 7	25	4/17	29	10/18	31	11/ 9	25	11/14	22	12/15	20	12/16	16	303	266	235	216	184
ALLEGHENY PLATEAU 08																													
OAKLAND 1 SE	84	8/29	-13	2/ 1	3/23	14	4/ 5	19	4/ 5	19	4/28	28	5/ 4	31	10/ 5	32	10/ 6	27	11/ 9	23	11/10	20	12/15	13	267	219	218	161	154
SAVAGE RIVER DAM	87	8/29	-4	1/26	2/19	14	3/23	18	4/ 7	24	4/ 7	24	4/28	32	10/ 6	32	11/ 9	27	11/14	23	12/15	20	12/16	15	301	267	221	216	161
DELAWARE																													
NORTHERN 01																													
BEAR 2 SW			2	1/25	3/23	16	3/23	16	3/24	24	3/24	24	4/10	32	MSG		11/ 9	25	11/10	22	12/16	15	12/16	15	268	268	231	230	
NEWARK UNIV FARM					MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG						

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	91	6/ 9	4	1/25	2/16	14	2/17	18	3/23	22	3/23	22	4/ 6	31	11/ 9	30	11/10	27	12/ 4	23	12/15	19	12/20	8	308	302	256	232	217
WILMINGTON PORTER RSVR	90	8/20			2/16	13	2/17	20	3/23	22	3/23	22	4/ 6	30	11/ 9	32	11/10	28	MSG		MSG		MSG						
SOUTHERN 02																													
DOVER	93	7/ 5	7	1/10	2/ 2	16	3/23	20	3/23	20	3/23	20	3/24	32	11/ 9	32	11/10	28	12/ 4	23	12/16	19	12/20	10	322	268	256	232	230
GREENWOOD 2NE	93	5/24	6	1/11	2/17	10	3/23	19	3/24	22	3/24	22	4/ 8	32	10/18	32	11/10	26	12/ 4	23	12/16	17	12/20	12	307	268	255	231	193
LEWES	94	5/23	11	12/20	1/31	14	3/23	19	3/23	19	3/23	19	4/ 5	32	11/27	31	12/ 4	27	12/16	22	12/20	11	12/20	11	324	272	268	256	236
MILFORD 2 SE					MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG						
SMYRNA 1 W					2/17	15	3/24	17	3/24	17	3/25	27	4/ 7	32	MSG		MSG		MSG		MSG		MSG						

MONTHLY AND SEASONAL COOLING DEGREE DAYS

BASE = 65 DEGREES FAHRENHEIT

MARYLAND AND DELAWARE
2004

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	-	96	218	413	335	233	24	5	-	-	1066
PRINCESS ANNE	-	-	-	-	-	-	-	-	-	-	-	-	-	1092
SALISBURY	0	0	3	44	258	276	427	336	211	13	0	0	1568	1246
SALISBURY POLICE BRKS	0	0	4	49	306	332	485	376	209	15	0	0	1776	
SALISBURY FAA AP	0	0	B 0	30	185	160	325	251	122	0	0	0	B1073	1155
SNOW HILL 4 N	0	0	4	36	252	254	377	298	169	10	0	0	1400	1194
CENTRAL EASTERN SHORE 02														
ROYAL OAK 2 SSW	0	0	0	44	266	265	407	362	192	10	0	0	1546	1392
VIENNA	B 0	B 0	2	31	269	B 274	B 467	346	210	19	0	0	B1618	1274
LOWER SOUTHERN MECHANICSVILLE 5 NE 03														
MECHANICSVILLE 5 NE	0	0	2	38	183	165	304	250	116	3	0	0	1061	1093
SOLOMONS	B 0	B 0	3	46	266	B 325	-	B 424	B 259	B 19	B 1	B 0	-	
UPPER SOUTHERN ANNAPOLIS POLICE BRKS 04														
ANNAPOLIS POLICE BRKS	B 0	0	0	51	256	285	444	365	256	36	0	0	B1693	1162
BALTIMORE WASH INTL AP R	B 0	0	0	23	203	197	355	295	152	2	0	0	B1227	1147
BELTSVILLE	0	0	1	31	205	200	345	304	160	0	0	0	1246	1109
DALECARLIA RESERVOIR	0	0	4	-	273	284	426	B 311	200	13	0	0	-	1258
GLENN DALE BELL STN	0	0	3	37	212	193	349	306	146	0	0	0	1246	917
MD SCI CTR BALTIMORE R	0	0	0	32	249	310	467	384	268	18	0	0	1728	
NATIONAL ARBORETUM DC	0	0	3	48	245	250	408	349	192	3	0	0	1498	1243
OXON HILL	-	-	-	-	-	-	-	-	177	2	2	0	-	
UPPER MARLBORO 3 NNW	0	0	2	41	225	208	357	300	162	3	0	0	1298	1002
NORTHERN EASTERN SHORE 05														
CHESTERTOWN	0	0	0	27	241	263	425	353	183	4	0	0	1496	1183
NORTHERN CENTRAL ABERDEEN PHILLIPS FLD 06														
ABERDEEN PHILLIPS FLD	-	-	B 0	B 33	-	B 273	-	B 361	B 206	-	B 0	-	-	1153
CATOCTIN MOUNTAIN PARK	0	0	0	18	134	118	235	200	77	3	0	0	785	733
CLARKSVILLE 3 NNE	0	0	0	19	176	150	325	-	-	-	-	-	-	898
CONOWINGO DAM	-	-	-	9	-	-	326	-	-	-	-	-	-	1068
CYLBURN	B 0	B 0	0	B 42	B 169	-	B 159	-	-	-	-	-	-	
DAMASCUS 3 SSW	0	0	0	31	156	139	284	216	87	3	0	0	916	
EMMITSBURG 2 SE	0	0	0	14	B 142	152	288	241	104	2	0	0	B 943	918
FREDERICK 2 NNE	-	-	-	25	186	197	337	B 286	126	0	-	0	-	
MILLERS 4 NE	0	0	0	19	153	148	263	242	113	2	0	0	940	790
ROCKVILLE 1 NE	0	0	0	42	217	214	-	-	142	5	0	0	-	983
SMITHSBURG 2NW	-	-	-	-	-	149	B 249	226	102	0	0	0	-	
APPALACHIAN MOUNTAIN 07														
CUMBERLAND 2	0	0	0	30	156	177	282	257	113	5	0	0	1020	877
CUMBERLAND POLICE BRK	0	0	2	21	142	B 137	248	205	73	0	0	0	B 828	
FROSTBURG 2	0	0	0	4	58	63	116	106	13	0	0	0	360	344
HAGERSTOWN POLICE BRK	0	0	0	28	170	174	311	260	122	6	0	0	1071	
SHARPSBURG 5 S	0	0	B 0	24	151	157	B 287	258	106	0	0	0	B 983	
ALLEGHENY PLATEAU 08														
OAKLAND 1 SE	0	0	0	0	42	70	104	87	15	0	0	0	318	316
SAVAGE RIVER DAM	0	0	0	2	58	72	139	121	30	0	0	0	422	414
DELAWARE														
NORTHERN BEAR 2 SW 01														
BEAR 2 SW	0	0	0	8	177	180	319	276	-	0	0	0	-	
NEWARK UNIV FARM	-	0	-	-	187	-	B 276	-	158	2	-	0	-	1047
WILMINGTON NEW CASTLE R	0	0	0	6	168	173	308	261	132	1	0	0	1049	1125
WILMINGTON PORTER RSVR	0	0	0	9	158	171	292	254	133	1	0	-	-	930
SOUTHERN														

Heating Degree Days data found in July issue of Climatological Data

MONTHLY AND SEASONAL COOLING DEGREE DAYS
BASE = 65 DEGREES FAHRENHEIT

MARYLAND AND DELAWARE
2004

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	SEASONAL NORM
DOVER	0	0	0	30	218	243	366	332	180	5	0	0	1374	1262
GREENWOOD 2NE	0	0	0	23	184	182	335	263	141	0	0	0	1128	943
LEWES	0	0	1	34	233	271	413	347	196	11	0	0	1506	1240
MILFORD 2 SE	0	-	-	B 44	-	-	-	-	-	-	-	-	-	1058
SMYRNA 1 W	0	0	0	17	184	175	-	-	-	-	-	-	-	

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 1705	B 1280	B 1562	B 1231	960	B 1176	B 978	-	-	-
	EVAP	-	-	-	-	5.91	6.08	6.42	5.25	3.75	2.49	-	-	-
	MAX TEMP	-	-	-	M 70.8	M 86.4	M 86.8	M 89.4	M 89.4	M -	M -	-	-	M -
	MIN TEMP	-	-	-	M 46.1	M 58.9	M 61.8	M 67.8	M 67.0	M -	M -	-	-	M -
UPPER MARLBORO 3 NNW	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-
	EVAP	-	-	3.41	4.51	-	5.51	5.04	5.27	3.89	2.35	2.39	-	-
	MAX TEMP	-	-	60.0	69.0	88.6	M 87.6	92.9	90.6	83.5	68.6	59.0	-	M -
	MIN TEMP	-	-	39.5	45.9	61.3	M 64.8	69.8	67.6	62.5	49.7	42.6	-	M -
ALLEGHENY PLATEAU	08													
SAVAGE RIVER DAM														
	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-
	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-
	MAX TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-
DELAWARE														
NORTHERN	01													
NEWARK UNIV 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	80	80	0			C H
ANNAPOLIS POLICE BRKS	0193	04	ANNE ARUNDEL	39 0	76 30W	25	47	47	0			H
ASSATEAGUE	0335	01	WORCESTER	38 4	75 13W	10	38	38	0			H
BALTIMORE WASH INTL AP R	0465	04	ANNE ARUNDEL	39 10	76 41W	156	71	71	0			C HJ
BELTSVILLE	0700	04	PRINCE GEORG	39 2	76 56W	145	67	67	64			C H
CATOCTIN MOUNTAIN PARK	1530	06	FREDERICK	39 39	77 29W	1610	39	39	0			H
CHESTERTOWN	1750	05	KENT	39 13	76 3W	40	100	100	0			H
CLARKSVILLE 3 NNE	1862	06	HOWARD	39 15	76 56W	370	37	37	0			H
CONOWINGO DAM	2060	06	HARFORD	39 39	76 11W	40	70	70	0			H
CUMBERLAND 2	2282	07	ALLEGANY	39 39	78 45W	730	33	33	0			H
CUMBERLAND POLICE BRK	2285	07	ALLEGANY	39 38	78 50W	970	39	39	0			H
CYLBURN	2308	06	BALTIMORE (C	39 22	76 38W	400	2	2	0			H
DALECARLIA RESERVOIR	2325	04	PRINCE GEORG	38 56	77 7W	150	60	60	0			H
DAMASCUS 3 SSW	2336	06	MONTGOMERY	39 16	77 14W	697	12	12	0			H
EMMITSBURG 2 SE	2906	06	FREDERICK	39 41	77 17W	416	50	50	0			H
FREDERICK 2 NNE	3353	06	FREDERICK	39 26	77 24W	280	1	1	0			H
FROSTBURG 2	3415	07	ALLEGANY	39 40	78 56W	2170	34	34	0			H
GLENN DALE BELL STN	3675	04	PRINCE GEORG	38 58	76 48W	150	85	85	0			H
HAGERSTOWN POLICE BRK	3980	07	WASHINGTON	39 36	77 44W	560	8	8	0			H
LAUREL 3 W	5111	04	PRINCE GEORG	39 5	76 54W	400	115	115	0			H
MD SCI CTR BALTIMORE R	5718	04	BALTIMORE (C	39 17	76 37W	20	6	6	0			C H
MECHANICSVILLE 5 NE	5865	03	ST. MARY'S	38 28	76 42W	100	44	44	0			H
MILLERS 4 NE	5934	06	CARROLL	39 43	76 48W	860	19	19	0			C H
NATIONAL ARBORETUM DC	6350	04	DISTRICT OF	38 55	76 58W	50	58	58	0			H
OAKLAND 1 SE	6620	08	GARRETT	39 24	79 24W	2420	108	108	0			H
OXON HILL	6800	04	PRINCE GEORG	38 48	77 0W	120	4	4	0			H
POTOMAC FILTER PLANT	7272	06	MONTGOMERY	39 2	77 15W	270	0	44	0			H
PRINCESS ANNE	7330	01	SOMERSET	38 13	75 41W	20	57	57	0			H
ROCKVILLE 1 NE	7705	06	MONTGOMERY	39 6	77 9W	440	58	58	0			H
ROYAL OAK 2 SSW	7806	02	TALBOT	38 43	76 11W	10	58	58	0			H
SALISBURY	8000	01	WICOMICO	38 22	75 35W	10	99	99	0			H
SALISBURY POLICE BRKS	8003	01	WICOMICO	38 25	75 34W	40	4	4	0			H
SALISBURY FAA AP	8005	01	WICOMICO	38 20	75 31W	48	58	58	0			H
SAVAGE RIVER DAM	8065	08	GARRETT	39 31	79 8W	1495	55	58	55			C H
SHARPSBURG 5 S	8207	07	WASHINGTON	39 24	77 43W	500	7	7	0			H
SMITHSBURG 2NW	8371	06	WASHINGTON	39 40	77 35W	670	3	4	0			H
SNOW HILL 4 N	8380	01	WORCESTER	38 14	75 23W	30	90	90	0			H
SOLOMONS	8405	03	CALVERT	38 19	76 27W	12	96	96	0			H
UPPER MARLBORO 3 NNW	9070	04	PRINCE GEORG	38 52	76 47W	100	48	48	48			H
VIENNA	9140	02	DORCHESTER	38 29	75 49W	10	57	57	0			H
DELAWARE												
BEAR 2 SW	1200	01	NEW CASTLE	39 36	75 44W	80	2	2	0			H
DOVER	2730	02	KENT	39 16	75 31W	30	118	117	0			H
GREENWOOD 2NE	3595	02	SUSSEX	38 49	75 35W	45	21	21	0			H
LEWES	5320	02	SUSSEX	38 47	75 8W	15	62	62	0			H
MILFORD 2 SE	5915	02	SUSSEX	38 54	75 26W	35	100	100	0		JUNE	H
NEWARK UNIV FARM	6410	01	NEW CASTLE	39 40	75 45W	90	92	92	48			C H
SMYRNA 1 W	8508	02	KENT	39 18	75 37W	40	2	2	0			H
WILMINGTON NEW CASTLE R	9595	01	NEW CASTLE	39 40	75 36W	79	58	58	0			C HJ
WILMINGTON PORTER RSVR	9605	01	NEW CASTLE	39 46	75 32W	270	94	94	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.

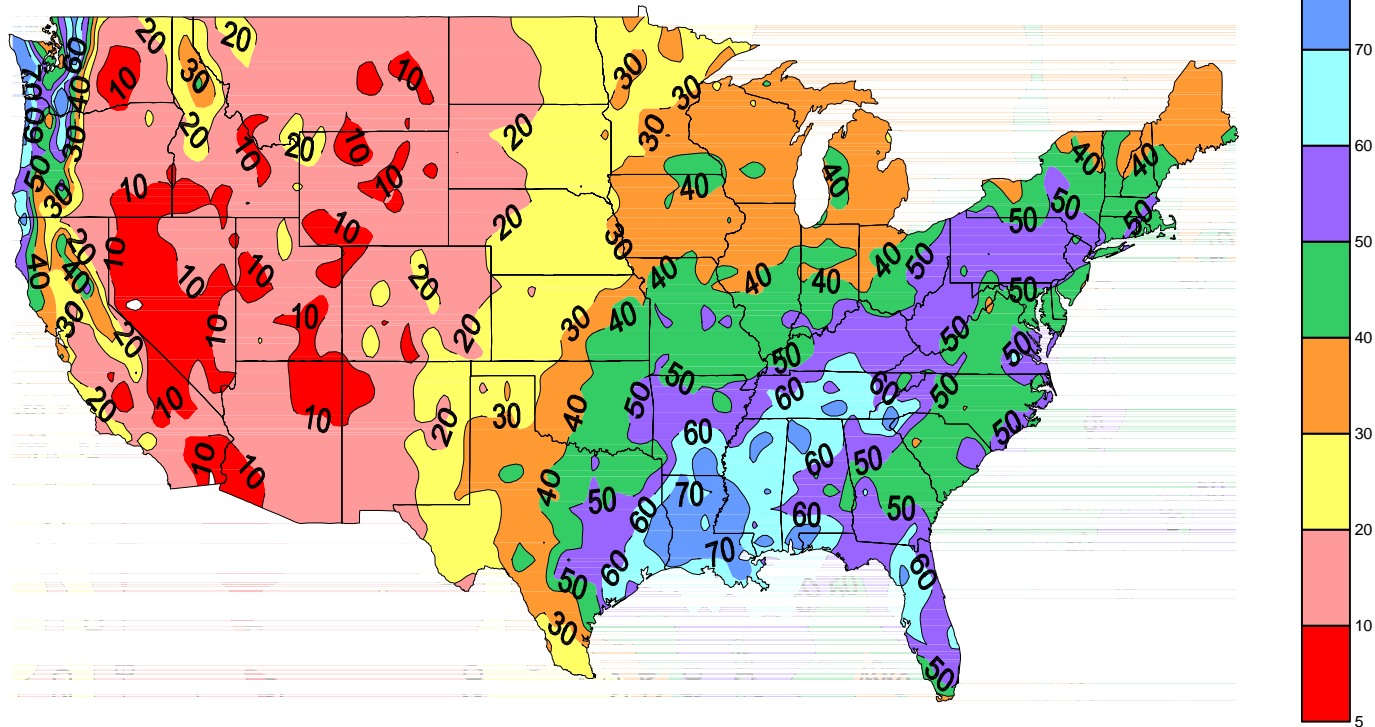
Information concerning the history of changes in locations, exposure, etc. of substations is kept on file at the National Climatic Data Center. Similar historical information of regular National Weather Service Offices is available from the "Local Climatological Data" annual bulletin.

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.

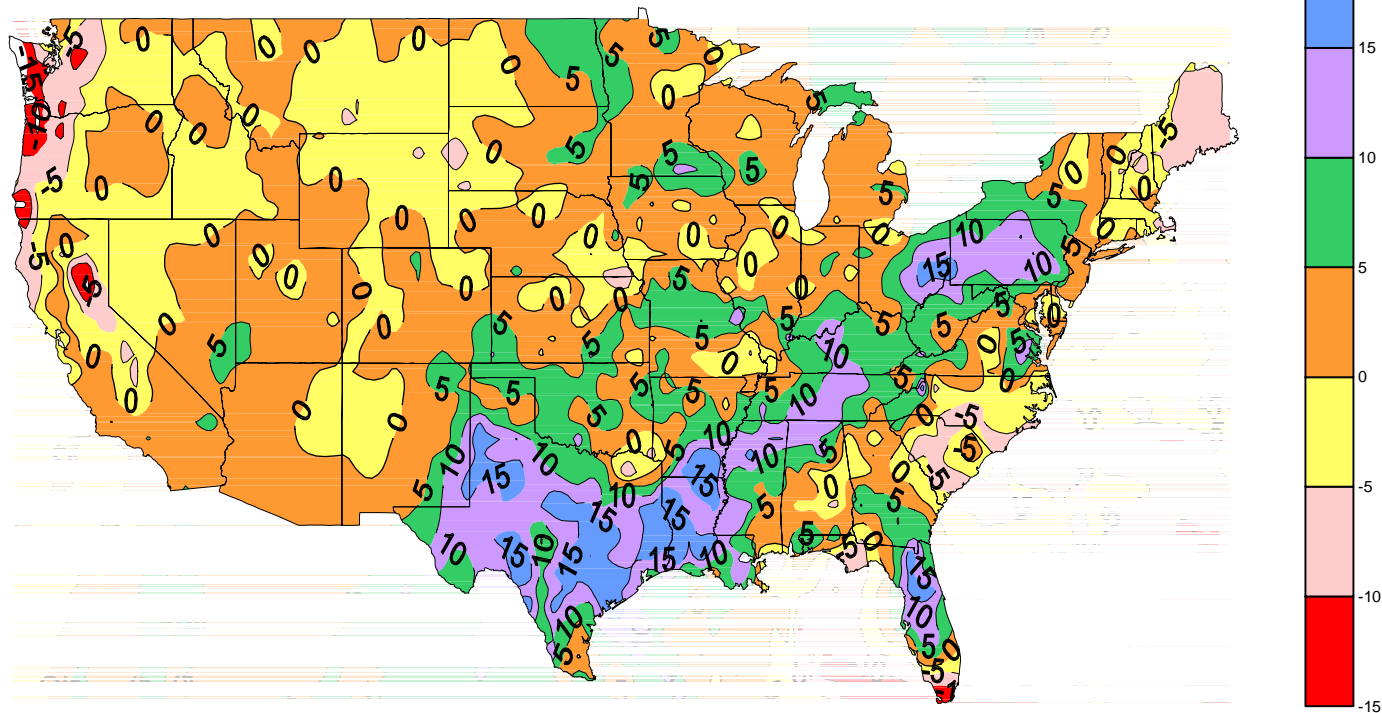
SUBSCRIPTION, PRICE, AND ORDERING INFORMATION AVAILABLE FROM:

NCDC Subscription Services Center
310 State Route 956
Building 300
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Total Precipitation (Inches)
Annual COOP 2004

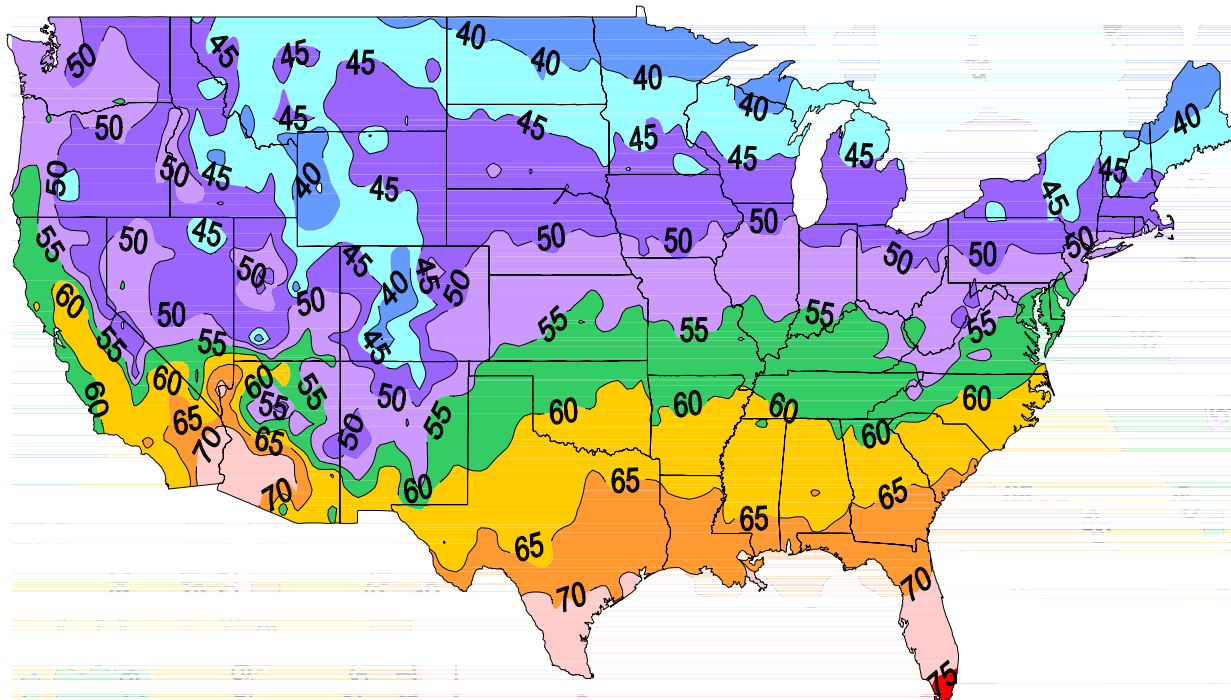


Departure from Normal Precipitation
Annual COOP 2004

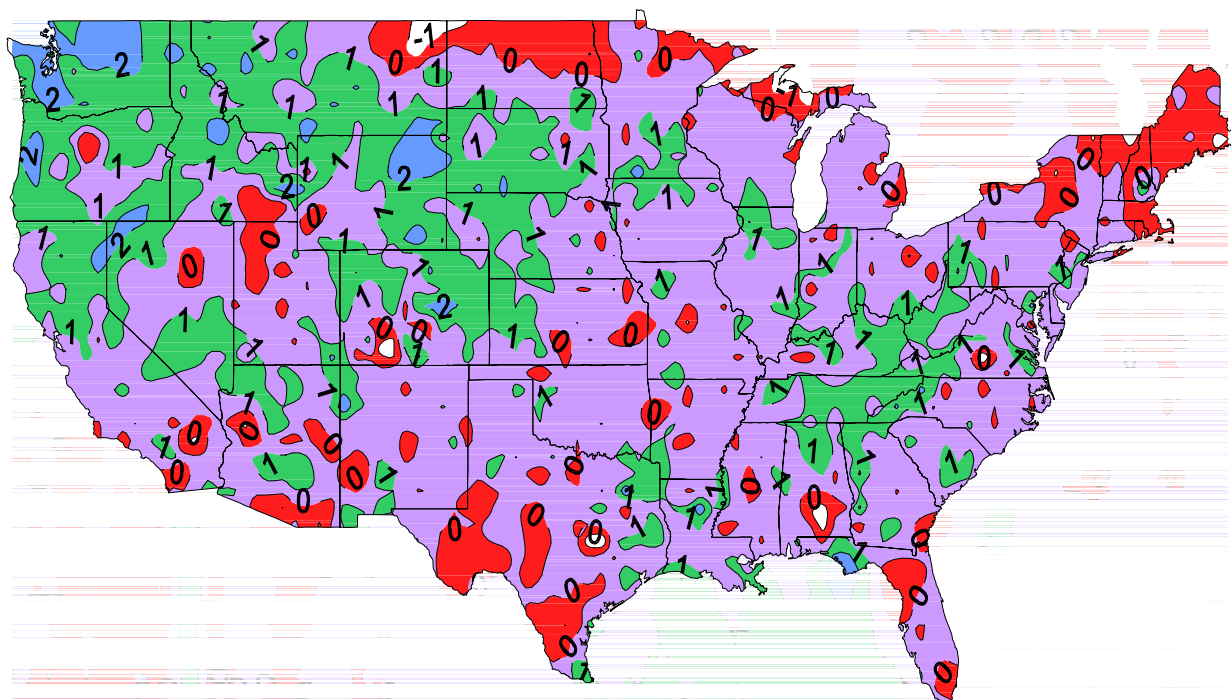


NOTE Contour maps are computer-generated and intended to show general temperature and precipitation patterns. Therefore, contours may not always account for individual datum points.

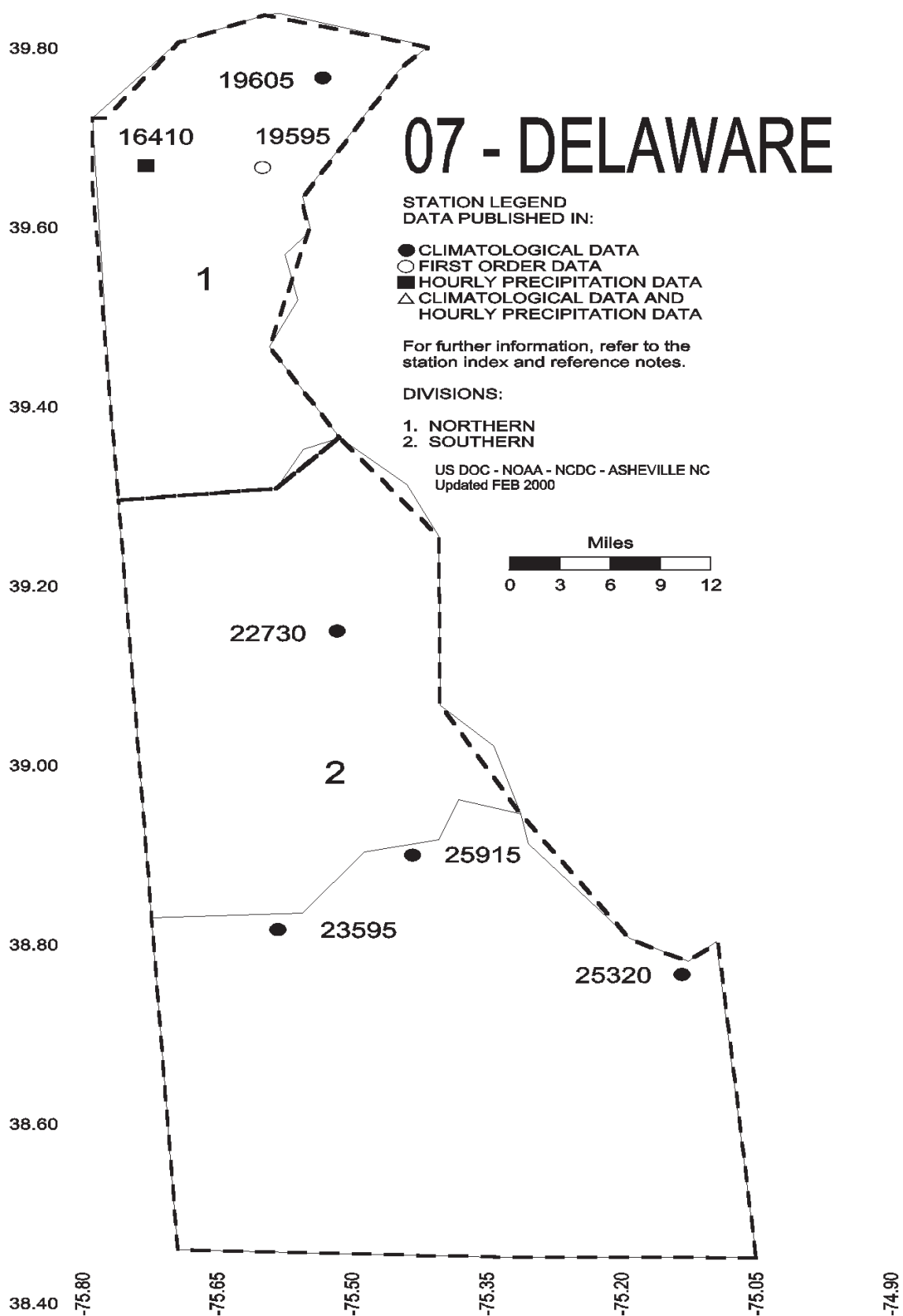
Average Temperature (Degrees F)
Annual COOP 2004

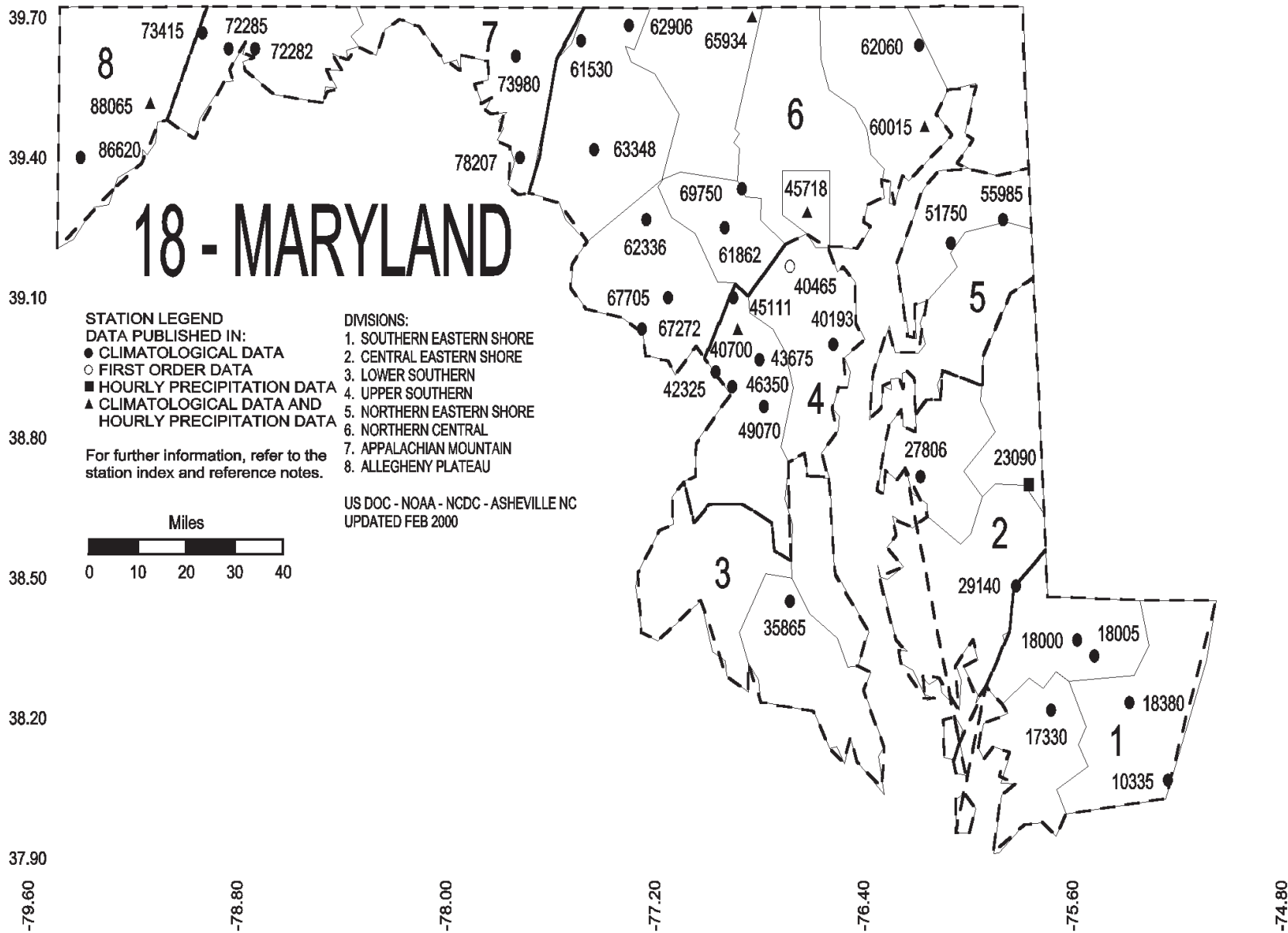


Departure of Average Temperature from Normal (Degrees F)
Annual COOP 2004



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.





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.

For Information Call:

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