

# CLIMATOLOGICAL DATA ANNUAL SUMMARY

MARYLAND AND  
DELAWARE  
1997

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## 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
<b>MARYLAND</b>												
SOUTHERN EASTERN SHORE 01												
ASSATEAGUE ISLAND	M 2.24		3.96		4.46		2.98		1.79		1.40	
PRINCESS ANNE	2.44	-.97	4.11	.86	4.92	1.08	3.28	.01	2.24	-1.11	2.64	-.54
SALISBURY	2.27	-1.49	3.54	.07	4.91	.67	3.32	.02	2.03	-1.47	2.77	-.88
SALISBURY FAA ARPT	2.16	-1.48	3.66	.20	5.56	1.40	3.77	.57	2.24	-1.40	1.97	-1.66
SNOW HILL 4 N	2.16	-1.64	3.91	.30	5.25	.95	2.97	-.24	3.41	-.11	2.49	-.94
--DIVISIONAL DATA----->	2.26	-1.38	3.84	.41	5.02	.90	3.26	.09	2.34	-1.12	2.25	-1.14
CENTRAL EASTERN SHORE 02												
ROYAL OAK 2 SSW	2.46	-1.11	3.31	.01	5.03	1.23	3.83	.41	1.84	-2.39	3.64	.03
VIENNA	2.53	-1.13	4.40	.92	4.92	1.15	3.59	.20	1.89	-1.62	3.20	-.60
--DIVISIONAL DATA----->	2.50	-1.08	3.86	.60	4.98	1.24	3.71	.36	1.87	-2.08	3.42	-.23
LOWER SOUTHERN 03												
LA PLATA 1 W	1.91	-1.18	2.51	-.41	4.12	.63	2.95	-.19	.83	-3.03	M 2.87	
MECHANICSVILLE 5 NE	2.36	-1.10	3.00	-.38	5.29	1.32	3.43	.02	1.33	-2.79	3.21	-.85
OWINGS FERRY LANDING	M		M		M 2.87		2.98	-.23	2.16	-2.09	4.21	.40
--DIVISIONAL DATA----->	2.14	-1.14	2.76	-.28	4.71	1.02	3.12	-.07	1.44	-2.64	3.71	-.01
UPPER SOUTHERN 04												
ANNAPOLIS POLICE BRKS	1.86	-1.39	M 3.17		5.26	1.63	3.46	.06	5.39	1.33	3.56	.21
BALTIMORE WSO ARPT R	2.83	-.22	2.23	-.89	5.67	2.29	2.40	-.69	3.03	-.69	3.74	.07
BELTSVILLE	3.06	.19	M 1.65		5.14	1.89	2.31	-.99	2.46	-1.86	4.06	.56
DALECARLIA RESERVOIR	M 1.53		2.84	-.15	4.20	.68	2.29	-1.21	3.81	-.38	3.61	.00
GLENN DALE BELL STN	2.17	-.84	3.49	.69	M		2.73	-.70	5.23	.77	2.66	-1.20
LAUREL 3 W	2.92	.04	2.36	-.55	5.55	2.07	2.49	-.92	5.31	.78	3.42	-.29
NATIONAL ARBORETUM DC	2.51	-.63	2.47	-.54	4.58	1.24	2.81	-.46	4.52	.35	4.03	.23
UPPER MARLBORO 3 NNW	2.11	-1.04	2.71	-.03	4.66	1.30	2.73	-.65	3.68	-.41	4.18	.32
--DIVISIONAL DATA----->	2.49	-.56	2.68	-.26	5.01	1.60	2.65	-.67	4.18	-.04	3.66	-.04
NORTHERN EASTERN SHORE 05												
CHESTERTOWN	2.69	-.49	3.30	.24	6.47	2.82	3.19	-.05	2.30	-1.73	2.97	-1.38
MILLINGTON 1 SE	M 1.96		M		6.26	2.70	M		2.23	-1.79	M	
--DIVISIONAL DATA----->	2.69	-.58	3.30	.26	6.37	2.82	3.19	-.09	2.27	-1.74	2.97	-1.02
NORTHERN CENTRAL 06												
ABERDEEN PHILLIPS FIEL	2.78	-.26	2.27	-.43	5.28	1.99	M 2.60		1.56	-2.51	3.17	-1.25
BALTIMORE CITY R	M		M		M		M		M		M	
CATOCTIN MOUNTAIN PARK	M 1.93		M 1.05		4.22		1.66		2.50		2.84	
CLARKSVILLE 3 NNE	M 2.78		2.21		5.26		M 1.84		2.14		2.28	
CONOWINGO DAM	M 2.59		2.00	-.95	5.72	2.22	2.39	-1.37	1.78	-2.40	.68	-3.62
DAMASCUS 2 SSW	2.39		1.79		5.69		1.89		1.27		1.85	
EMMITSBURG 2 SE	2.10	-1.01	1.40	-1.67	5.06	1.53	1.63	-2.14	2.02	-2.33	2.20	-1.81
FREDERICK POLICE BRKS	M 1.51		1.59		4.84		1.58		1.44		M 1.66	
MILLERS 4 NE	2.14		1.80		5.66		1.31		2.46		1.41	
POTOMAC FILTER PLANT	2.36	-.17	M 2.21		5.33	2.39	2.32	-.67	1.29	-2.46	3.72	.04
ROCKVILLE 1 NE	2.68	-.17	2.00	-.83	5.09	1.73	1.95	-1.24	3.55	-.63	3.70	-.06
WESTMINSTER POL BRKS	2.91	.01	1.77	-.82	M 4.16		2.36	-1.11	1.46	-2.81	1.79	-2.12
WOODSTOCK	3.14	-.08	2.39	-.62	5.75	2.04	2.37	-1.13	1.46	-3.01	2.26	-1.61
--DIVISIONAL DATA----->	2.59	-.49	1.92	-1.05	5.26	1.73	1.90	-1.63	1.97	-2.40	2.22	-1.76
APPALACHIAN MOUNTAIN 07												
CUMBERLAND 2	1.94	-.44	1.77	-.52	4.34	1.26	M .85		2.17	-1.49	2.95	-.39
FROSTBURG 2	2.37		2.39		4.93		1.16		3.03		3.38	
HANCOCK	M 1.53		2.13	-.23	M 4.37		1.32	-1.91	2.05	-1.64	M 4.38	
--DIVISIONAL DATA----->	2.16	-.45	2.10	-.45	4.64	1.33	1.24	-2.20	2.42	-1.51	3.17	-.28
ALLEGHENY PLATEAU 08												
OAKLAND 1 SE	M 2.76		2.01	-.94	6.87	2.80	M 1.83		4.21	-.50	7.35	2.97
SAVAGE RIVER DAM	M 1.94		2.17	-.07	5.73	2.48	1.07	-2.34	3.04	-.89	3.76	.41
--DIVISIONAL DATA----->			2.09	-.86	6.30	2.34	1.07	-3.00	3.63	-.74	5.56	1.48

## 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.
<b>MARYLAND</b>														
SOUTHERN EASTERN SHORE 01														
ASSATEAGUE ISLAND	4.28		1.82		1.65		4.50		7.32		M 3.23		M 39.63	
PRINCESS ANNE	5.03	1.03	2.82	-2.27	1.19	-2.56	4.08	.83	6.82	3.68	M 3.10		M 42.67	
SALISBURY	5.55	1.53	2.08	-2.91	1.12	-2.43	3.87	.64	6.49	3.42	3.70	.17	41.65	-2.66
SALISBURY FAA ARPT	5.27	.94	2.54	-2.79	1.28	-2.41	4.07	.65	6.98	3.83	2.98	-.70	42.48	-2.85
SNOW HILL 4 N	4.88	.78	3.65	-1.72	1.19	-2.10	4.08	.84	7.71	4.49	3.39	-.05	45.09	.56
--DIVISIONAL DATA----->	5.00	.95	2.58	-2.29	1.29	-2.12	4.12	.94	7.06	3.94	3.36	-.05	42.38	-.87
CENTRAL EASTERN SHORE 02														
ROYAL OAK 2 SSW	1.74	-2.22	7.36	3.13	2.95	-.69	2.78	-.37	6.80	3.38	2.57	-1.15	44.31	.26
VIENNA	4.07	.09	3.70	-1.17	1.13	-2.54	2.20	-.80	M 6.90		2.66	-.79	M 41.19	
--DIVISIONAL DATA----->	2.91	-1.03	5.53	1.13	2.04	-1.47	2.49	-.58	6.80	3.48	2.62	-.94	42.73	-.60
LOWER SOUTHERN 03														
LA PLATA 1 W	2.34	-1.57	3.35	-1.04	M 1.85		2.30	-.98	3.88	.46	M 1.85		M 30.76	
MECHANICSVILLE 5 NE	4.73	.51	4.92	.86	1.95	-1.80	3.10	-.33	7.28	3.77	2.38	-.96	42.98	-1.73
OWINGS FERRY LANDING	3.46	-.27	5.61	2.04	2.11	-1.30	3.10	-.07	7.61	4.21	2.13	-1.10		
--DIVISIONAL DATA----->	3.51	-.45	4.63	.66	2.03	-1.64	2.83	-.41	6.26	2.87	2.26	-1.07	39.40	-3.16
UPPER SOUTHERN 04														
ANNAPOLIS POLICE BRKS	2.80	-.78	5.11	1.21	M .50		3.50	.19	5.52	2.07	2.42	-1.02	M 42.55	
BALTIMORE WSO ARPT R	1.49	-2.20	4.21	.29	1.47	-1.94	3.43	.45	5.79	2.47	2.05	-1.36	38.34	-2.42
BELTSVILLE	1.25	-2.84	2.66	-1.48	1.72	-1.99	3.48	.11	5.45	2.21	1.88	-1.47	M 35.12	
DALECARLIA RESERVOIR	M 2.15		3.95	-.34	2.64	-.94	3.35	-.15	5.54	2.05	2.46	-1.00	M 38.37	
GLENN DALE BELL STN	M 2.03		4.39	.07	1.46	-2.16	4.36	.93	6.46	2.96	M 1.61			
LAUREL 3 W	1.79	-2.19	3.82	-.13	2.63	-1.02	3.30	-.11	6.11	2.28	2.37	-1.05	42.07	-1.09
NATIONAL ARBORETUM DC	2.21	-2.17	3.05	-1.34	2.16	-1.44	4.04	.76	6.19	2.79	1.89	-1.44	40.46	-2.65
UPPER MARLBORO 3 NNW	.94	-3.08	5.46	1.50	1.16	-2.44	3.91	.45	6.54	3.20	1.88	-1.39	39.96	-2.27
--DIVISIONAL DATA----->	1.75	-2.26	4.08	-.09	1.89	-1.69	3.67	.36	5.95	2.55	2.14	-1.23	40.15	-2.33
NORTHERN EASTERN SHORE 05														
CHESTERTOWN	1.35	-2.35	3.59	-.37	2.61	-1.03	3.77	.63	5.41	2.02	2.35	-1.42	40.00	-3.11
MILLINGTON 1 SE	M 1.35		M 3.59		2.61		3.77		5.41		2.35		39.87	
--DIVISIONAL DATA----->	1.35	-2.45	3.59	-.29	2.61	-1.04	3.77	.63	5.41	2.02	2.35	-1.34	39.87	-2.82
NORTHERN CENTRAL 06														
ABERDEEN PHILLIPS FIEL	2.06	-1.90	3.88	-.55	2.87	-1.02	2.96	-.17	4.91	1.59	2.25	-1.36	M 36.59	
BALTIMORE CITY R	M 4.36		M 3.18		M 4.83		M 1.95		M 8.73		M 3.20		M 40.45	
CATOCTIN MOUNTAIN PARK	.71		3.08		2.19		1.78		5.00		2.19		M 31.46	
CLARKSVILLE 3 NNE	2.17	-2.07	2.91	-1.55	2.03	-1.92	2.62	-.61	5.39	1.65	2.96	-.83	M 33.24	
CONOWINGO DAM	1.00		4.29		2.64		1.93		6.70		2.56		34.00	
DAMASCUS 2 SSW	2.31	-.93	3.44	-.17	4.17	.20	1.67	-1.78	6.11	2.42	2.51	-.76	34.62	-8.45
EMMITSBURG 2 SE	1.50		3.34		4.26		1.56		5.85		2.11		M 31.24	
FREDERICK POLICE BRKS	1.74		1.64		3.59		2.12		5.50		2.39		31.76	
MILLERS 4 NE	M .34		2.89	-.72	4.72	1.07	2.81	-.22	M 6.53		2.25	-.78	M 36.77	
POTOMAC FILTER PLANT	.36	-3.35	2.70	-1.29	2.11	-1.42	2.64	-.70	5.81	2.51	1.92	-1.15	34.51	-6.60
ROCKVILLE 1 NE	M .91		2.85	-.57	M 2.51		1.95	-1.30	5.10	1.75	1.95	-1.37	M 29.72	
WESTMINSTER POL BRKS	1.49	-1.96	4.37	.80	2.60	-.99	2.57	-.66	6.37	2.74	2.24	-1.24	37.01	-5.72
WOODSTOCK	1.77	-2.03	3.24	-.61	3.13	-.58	2.16	-1.18	5.67	2.09	2.39	-1.08	34.22	-8.99
--DIVISIONAL DATA----->														
APPALACHIAN MOUNTAIN 07														
CUMBERLAND 2	3.85	.48	2.98	-.32	3.71	.63	1.26	-1.51	6.66	3.90	2.64	.03	M 35.12	
FROSTBURG 2	2.60		3.83		3.42		1.56		6.95		2.96		38.58	
HANCOCK	M 1.81		2.26	-.89	2.96	-.22	2.28	-.88	M 6.09		2.74	.14	M 36.59	
--DIVISIONAL DATA----->	3.23	-.31	3.02	-.32	3.36	.16	1.70	-1.47	6.81	3.70	2.74	-.08	36.59	-1.88
ALLEGHENY PLATEAU 08														
OAKLAND 1 SE	M 3.75		5.65	1.48	3.52	.25	1.59	-1.60	6.59	2.95	M 2.98		M 36.33	
SAVAGE RIVER DAM	2.37	-1.84	3.68	.49	3.14	.03	1.53	-1.40	4.98	2.13	2.92	.18		
--DIVISIONAL DATA----->	2.37	-2.49	4.67	.84	3.33	.01	1.56	-1.61	5.79	2.23	2.92	-.76		

# 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
<b>DELAWARE</b>												
NORTHERN 01												
NEWARK UNIVERSITY FARM	2.78	-.20	M		5.40	2.14	2.47	-1.02	2.74	-1.41	3.31	-.54
WILMINGTON WSO ARPT R	1.83	-1.20	1.83	-1.08	3.49	.06	1.49	-1.90	M .82		1.75	-1.80
WILMINGTON PORTER RSVR	2.75	-.72	2.62	-.43	6.08	2.27	3.28	-.73	2.61	-1.72	3.49	-.57
--DIVISIONAL DATA----->	2.45	-.73	2.23	-.62	4.99	1.52	2.41	-1.16	2.68	-1.37	2.85	-.91
SOUTHERN 02												
DOVER	2.97	-.41	3.31	.38	4.78	.98	4.26	.76	4.76	.77	3.49	-.36
GEORGETOWN 5 SW	2.66	-1.01	2.75	-.40	M		2.72	-.72	2.57	-1.08	M	
GREENWOOD 2 NE	M 2.26		2.98		5.17		3.97		3.02		3.17	
LEWES	2.65	-1.11	3.41	.11	4.78	.67	3.71	.15	2.90	-.86	1.73	-1.65
--DIVISIONAL DATA----->	2.76	-.88	3.11	-.07	4.91	.97	3.67	.19	3.31	-.57	2.80	-.69

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# 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.
<b>DELAWARE</b>														
NORTHERN 01														
NEWARK UNIVERSITY FARM	3.22	-1.30	3.54	-.46	2.53	-1.15	M 1.60		3.84	.56	2.76	-.74		
WILMINGTON WSO ARPT R	3.08	-1.15	3.66	.26	1.93	-1.50	2.33	-.55	3.24	-.03	2.57	-.91	M 28.02	
WILMINGTON PORTER RSVR	3.01	-1.38	4.02	-.03	1.70	-2.25	2.34	-.96	4.07	.27	2.97	-.87	38.94	-7.12
--DIVISIONAL DATA----->	3.10	-1.12	3.74	.11	2.05	-1.57	2.34	-.79	3.72	.31	2.77	-.79	35.33	-7.12
SOUTHERN 02														
DOVER	1.80	-2.35	7.66	3.41	2.10	-2.24	2.48	-.78	6.55	3.40	2.77	-.77	46.93	2.79
GEORGETOWN 5 SW	M 1.54		M 6.38		M 3.21		M 3.26		M 8.58		M 2.52		M 46.06	
GREENWOOD 2 NE	2.23	-1.75	2.56	-2.68	4.58	1.49	4.16	.99	7.31	4.03	3.47	-.21	43.49	-.82
LEWES	1.86	-2.03	5.53	.75	3.30	-.34	3.30	.07	7.48	4.27	2.92	-.67	44.95	1.00
--DIVISIONAL DATA----->														

## 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	
<b>MARYLAND</b>																											
SOUTHERN EASTERN SHORE 01																											
ASSATEAGUE ISLAND	37.4		42.6		47.0		52.2		60.6		68.2		76.0		74.8		71.2		60.7		49.1		41.1		56.7		
PRINCESS ANNE	38.5	3.5	42.6	5.3	48.0	2.2	51.6	-2.4	61.9	-1.8	70.7	-1.4	77.7	1.3	74.0	-1.2	69.6	.9	58.7	.9	48.2	-.8	40.9	1.1	56.9	.6	
SALISBURY	38.0	2.1	44.5	6.4	49.1	2.4	54.0	-1.1	62.5	-2.2	71.3	-1.5	78.3	1.4	75.0	-.9	70.5	.8	59.2	.1	48.2	-1.9	41.7	1.3	57.7	.6	
SALISBURY FAA ARPT	36.0	1.6	42.7	6.1	46.4	1.3	51.8	-1.9	60.3	-2.9	69.8	-2.1	77.4	.7	74.0	-1.3	68.9	.3	58.5	1.0	48.2	-.4	40.7	1.5	56.2	.3	
SNOW HILL 4 N	37.9	2.7	44.0	6.7	48.1	2.5	53.1	-.8	61.2	-2.3	70.0	-1.9	77.0	1.2	73.5	-1.2	69.2	.5	58.4	.5	47.6	-1.5	40.4	.6	56.7	.6	
--DIVISIONAL DATA----->	37.6	2.3	43.3	5.9	47.7	2.1	52.5	-1.7	61.3	-2.4	70.0	-2.2	77.3	.7	74.3	-1.4	69.9	.4	59.1	.4	48.3	-1.3	41.0	.9	56.9	.3	
CENTRAL EASTERN SHORE 02																											
ROYAL OAK 2 SSW	37.1	3.0	43.1	6.6	48.1	2.4	53.1	-1.8	62.0	-2.9	71.3	-2.2	78.7	1.2	74.7	-1.5	68.9	-.9	58.6	-.5	47.3	-2.1	40.7	1.6	57.0	.2	
VIENNA	37.9	3.0	43.1	5.7	48.9	2.4	53.7	-1.7	62.6	-2.6	71.5	-2.1	79.3	1.5	75.1	-1.2	70.2	.3	59.4	.4	47.6	-1.8	40.9	1.2	57.5	.4	
--DIVISIONAL DATA----->	37.5	3.3	43.1	6.4	48.5	2.7	53.4	-1.4	62.3	-2.4	71.4	-1.9	79.0	1.6	74.9	-1.2	69.6	.0	59.0	.2	47.5	-1.7	40.8	1.6	57.3	.6	
LOWER SOUTHERN 03																											
LA PLATA 1 W	37.2	3.4	43.9	6.9	49.5	3.3	54.2	-.8	62.8	-1.1	70.4	-1.2	77.4	1.8	74.5	-.1	68.7	.3	58.0	.4	46.3	-2.0	40.5	2.2	57.0	1.1	
MECHANICSVILLE 5 NE	35.6	2.3	42.6	6.3	47.9	2.2	52.6	-1.8	60.6	-3.3	69.3	-2.6	75.3	-.9	72.6	-2.0	66.9	-1.0	55.8	-1.0	45.2	-2.4	38.8	.6	55.3	-.3	
OWINGS FERRY LANDING	M		M		47.3	1.8	52.8	-1.8	M60.8	-3.6	69.4	-2.9	76.1	.0	73.3	-1.6	67.4	-1.3	57.0	-.6	44.1	-4.2	38.2	.2	M		
--DIVISIONAL DATA----->	36.4	2.4	43.3	6.5	48.2	2.3	53.2	-1.7	61.4	-3.0	69.7	-2.8	76.3	-.3	73.5	-1.9	67.7	-1.3	56.9	-1.0	45.2	-3.4	39.2	.4	55.9	-.2	
UPPER SOUTHERN 04																											
ANNAPOLIS POLICE BRKS	35.9	2.3	43.5	7.4	47.8	2.6	54.0	-.8	63.8	-.8	72.8	-.7	79.4	1.8	75.9	-.4	69.8	-.2	59.7	1.3	47.1	-1.0	40.5	2.1	57.5	1.1	
BALTIMORE WSO ARPT	R	32.8	1.0	41.0	6.2	45.5	1.4	51.6	-1.8	59.5	-3.9	70.1	-2.4	77.3	.3	74.0	-1.6	67.3	-1.2	56.5	-.1	43.7	-3.1	38.4	1.7	54.8	-.3
BELTSVILLE	33.7	3.2	40.7	7.4	46.1	3.2	51.7	-.5	59.9	-2.1	70.7	-.3	77.2	1.6	74.6	.4	67.9	.7	56.8	1.7	45.7	-.2	39.2	3.4	55.4	1.5	
DALECARLIA RESERVOIR	36.0	3.1	42.9	6.8	48.0	2.4	53.8	-1.2	62.2	-2.6	71.6	-1.5	76.9	-.3	75.9	.1	69.5	.4	57.9	.5	44.9	-2.5	39.5	2.1	56.6	.6	
GLENN DALE BELL STN	36.0	3.5	43.3	7.8	47.3	2.6	52.6	-1.0	60.5	-2.7	71.3	.0	77.4	1.9	73.8	-.4	66.6	-1.1	56.1	-.3	42.6	-4.4	37.7	.7	55.4	.6	
LAUREL 3 W	34.1	2.1	41.5	6.8	46.2	1.8	52.8	-1.2	61.5	-2.3	72.3	.0	78.8	1.8	M75.6	-.2	69.2	.5	58.6	1.3	44.8	-2.5	39.6	3.0	M56.3	.9	
NATONAL ARBORETUM DC	33.5	.9	40.6	5.4	45.5	.7	51.1	-2.9	60.2	-3.8	70.3	-2.4	77.7	.7	75.6	-.1	68.0	-.6	57.3	.2	44.3	-2.9	39.7	2.3	55.3	-.2	
UPPER MARLBORO 3 NNW	33.4	2.2	40.7	6.8	45.8	2.2	50.8	-2.2	58.4	-4.2	69.1	-2.0	76.1	.8	73.4	-.3	66.5	-.4	56.3	1.1	44.2	-2.2	38.7	2.6	54.5	.4	
--DIVISIONAL DATA----->	34.4	2.0	41.8	6.6	46.5	1.9	52.3	-1.6	60.8	-2.9	71.0	-1.3	77.6	1.0	74.9	-.4	68.1	-.4	57.4	.6	44.7	-2.5	39.2	2.1	55.7	.4	
NORTHERN EASTERN SHORE 05																											
CHESTERTOWN	32.9	.8	40.5	5.8	45.3	1.4	51.7	-1.7	60.9	-2.7	71.1	-1.4	77.4	.6	74.7	-.9	66.7	-2.2	56.9	-.6	43.7	-3.7	37.5	.5	54.9	-.3	
MILLINGTON 1 SE	33.5	2.3	M		45.0	1.6	M		60.1	-2.5	M		M		M												
--DIVISIONAL DATA----->	33.2	1.0	40.5	5.6	45.2	1.0	51.7	-1.7	60.5	-3.0	71.1	-1.1	77.4	.9	74.7	-.5	66.7	-1.9	56.9	-.4	43.7	-3.8	37.5	.5	54.9	-.2	
NORTHERN CENTRAL 06																											
ABERDEEN PHILLIPS FIEL	M35.7	3.7	43.2	8.1	46.5	2.2	52.7	-1.1	M61.2	-2.4	M70.7	-1.3	M77.6	1.3	M74.7	-.3	M68.1	-.5	M57.7	.5	M		M		M		
BALTIMORE CITY	R	38.3	3.4	46.1	8.8	50.5	3.9	57.7	1.1	M65.8	-1.0	77.3	1.3	M		M		73.1	1.5	63.2	3.2	49.6	.0	45.1	5.8	M	
CATOCTIN MOUNTAIN PARK	28.9		36.5		41.4		49.0		57.5		68.3		72.5		70.4		64.4		54.4		40.2		35.5		51.6		
CLARKSVILLE 3 NNE	33.1		39.7		45.0		50.5		60.5		68.6		74.8		72.2		64.8		54.0		41.9		37.2		53.5		
CONOWINGO DAM	33.6	4.4	40.8	8.8	45.5	4.0	53.0	1.6	61.4	-.6	73.7	2.9	79.1	4.0	75.4	1.4	67.8	.8	58.5	3.4	43.7	-.8	38.4	4.1	55.9	2.8	
DAMASCUS 2 SSW	31.0		38.2		43.2		48.4		57.0		67.8		73.6		71.1		64.2		53.6		41.2		35.6		52.1		
EMMITSBURG 2 SE	32.1	3.0	39.1	7.1	43.9	1.9	50.0	-1.5	58.2	-3.2	67.6	-2.2	74.0	-.1	71.1	-1.6	65.3	-.3	54.1	-.2	42.1	-2.2	36.7	2.5	52.9	.3	
FREDERICK POLICE BRKS	35.5		42.2		47.1		54.3		62.4		72.8		78.7		75.4		68.4		57.4		44.0		38.9		56.4		
MILLERS 4 NE	31.0		38.3		42.7		49.8		58.1		68.9		74.1		71.9		64.9		54.9		41.8		36.5		52.7		
ROCKVILLE 1 NE	34.2	3.5	42.1	9.0	46.2	2.8	53.0	.6	61.0	-1.0	71.0	.6	76.8	2.1	74.3	1.3	66.2	.5	55.4	.5	43.2	-1.7	37.9	2.8	55.1	1.8	
WESTMINSTER POL BRKS	30.2	.7	37.6	5.3	42.9	1.0	49.7	-2.2	58.6	-3.3	70.4	.0	75.5	.9	72.0	-1.1	66.2	-.1	57.1	2.0	42.5	-2.6	37.8	3.3	53.4	.3	
WOODSTOCK	32.5	1.7	40.7	7.1	45.3	2.2	51.8	-.8	60.1	-2.6	70.6	-.3	76.3	.9	73.3	-.7	66.1	-1.0	55.6	.2	42.9	-2.8	37.7	2.0	54.4	.5	
--DIVISIONAL DATA----->	33.0	2.2	40.4	6.9	45.0	2.0	51.7	-.9	60.2	-2.4	70.6	-.4	75.7	.5	72.9	-.9	66.6	-.5	56.3	.6	43.0	-2.8	37.9	2.5	54.4	.6	
APPALACHIAN MOUNTAIN 07																											
CUMBERLAND 2	31.0	.7	38.9	5.5	44.5	1.3	50.8	-2.8	58.5	-4.6	69.8	-1.2	74.4	-.7	72.0	-1.9	65.2	-1.5	54.3	-.5	40.9	-3.7	35.7	1.1	53.0	-.7	
FROSTBURG 2	25.1		32.4		37.4		43.0		51.7		63.6		68.3		65.5		59.4		49.3		35.9		31.7		46.9		
HANCOCK	M32.3	4.0	37.0	6.4	43.1	2.4	49.8	-.6	M		68.2	-.3	M72.9	-.1	M		64.5	.0	54.0	1.2	M		M		M		
--DIVISIONAL DATA----->	29.5	.5	36.1	4.3	41.7	.2	47.9	-3.6	55.1	-6.1	67.2	-2.0	71.9	-1.3	68.8	-3.1	63.0	-2.2	52.5	-1.3	38.4	-5.6	35.1	1.5	50.6	-1.5	
ALLEGHENY PLATEAU 08																											
OAKLAND 1 SE	27.3	1.7	34.6	6.8	40.8	3.3	44.4	-2.3	53.0	-3.3	63.4	-.4	67.6	-.1	65.4	-1.2	59.4	-1.0	49.4	-.2	36.5	-3.6	31.3	1.0	47.8	.1	

MARYLAND AND DELAWARE  
1997

# 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
SAVAGE RIVER DAM	26.6	1.1	33.0	5.2	39.5	2.0	43.6	-4.1	52.0	-5.6	64.0	-1.3	68.7	-.7	66.6	-1.7	59.8	-2.0	50.5	.2	37.3	-3.5	33.0	2.7	47.9	-.6
--DIVISIONAL DATA----->	27.0	2.2	33.8	6.7	40.2	3.4	44.0	-2.8	52.5	-4.1	63.7	-.5	68.2	.2	66.0	-.9	59.6	-1.0	50.0	.5	36.9	-3.1	32.2	2.6	47.8	.3
<b>DELAWARE</b>																										
NORTHERN 01																										
NEWARK UNIVERSITY FARM	33.3	2.0	M		44.3	1.1	51.9	-.7	60.1	-3.0	69.9	-1.8	76.8	.8	73.8	-.8	66.6	-1.4	57.1	.6	43.6	-3.1	38.5	2.4	M	
WILMINGTON WSO ARPT R	31.8	1.2	38.9	5.5	43.2	.5	50.3	-1.9	58.6	-3.9	69.6	-1.9	75.9	-.5	72.8	-2.2	65.5	-2.5	55.6	-.6	43.6	-2.7	37.6	1.8	53.6	-.6
WILMINGTON PORTER RSVR	31.0	.9	38.7	6.0	43.4	1.6	51.0	-.5	59.2	-2.7	70.9	.1	76.3	1.1	73.6	-.2	66.6	-.2	56.7	1.1	44.2	-1.5	38.2	2.9	54.2	.7
--DIVISIONAL DATA----->	32.0	1.2	38.8	5.3	43.6	.9	51.1	-1.1	59.3	-3.3	70.1	-1.4	76.3	.4	73.4	-1.1	66.2	-1.5	56.5	.3	43.8	-2.5	38.1	2.2	54.1	.0
SOUTHERN 02																										
DOVER	35.3	1.5	42.3	5.9	46.4	1.4	52.2	-1.9	60.4	-3.8	70.0	-2.8	77.1	-.1	74.4	-1.5	68.1	-1.5	58.2	-.4	46.1	-2.9	40.2	1.4	55.9	-.4
GEORGETOWN 5 SW	34.7	2.0	41.3	6.6	M		50.4	-1.9	58.8	-3.5	M		M		M		M		M		M		M		M	
GREENWOOD 2 NE	34.8		41.2		46.4		51.8		60.8		69.7		76.1		73.8		67.5		57.5		46.1		39.4		55.4	
LEWES	40.6	6.1	47.5	10.9	52.4	7.8	58.7	5.4	66.4	3.5	75.3	3.7	81.0	5.1	77.2	2.3	73.0	3.8	60.5	2.1	48.2	-1.3	41.7	2.0	60.2	4.3
--DIVISIONAL DATA----->	36.4	2.7	43.1	7.2	48.4	3.8	53.3	-.1	61.6	-1.7	71.7	-.4	78.1	1.7	75.1	.0	69.5	.8	58.7	1.0	46.8	-1.7	40.4	1.8	56.9	1.3

## 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.						
<b>MARYLAND</b>																														
SOUTHERN EASTERN SHORE 01																														
ASSATEAGUE ISLAND	97	7/18	9	1/18	1/19	11	1/19	11	3/17	23	3/17	23	4/10	32	10/29	32	11/17	28	12/28	23	NONE		NONE					286	245	202
PRINCESS ANNE	98	7/16	5	1/19	1/19	5	2/18	20	3/17	22	3/17	22	4/23	30	10/23	26	10/23	26	11/20	24	NONE		NONE					248	220	183
SALISBURY	96	8/16	9	1/19	1/20	15	1/20	15	2/13	24	3/17	25	4/10	30	10/23	31	11/18	25	12/15	24	NONE		NONE					305	246	196
SALISBURY FAA ARPT	98	8/16	5	1/19	1/20	12	1/30	20	3/17	21	3/25	28	4/11	30	10/23	30	11/17	27	11/18	24	NONE		NONE					246	237	195
SNOW HILL 4 N	98	7/18	2	1/19	1/20	10	3/17	20	3/17	20	4/10	28	4/16	32	10/23	28	10/23	28	11/18	21	NONE		NONE					246	196	190
CENTRAL EASTERN SHORE 02																														
ROYAL OAK 2 SSW	98	7/18	11	1/19	1/19	11	1/30	20	1/30	20	3/17	26	4/10	32	11/18	23	11/18	23	11/18	23	NONE		NONE					292	246	222
VIENNA	99	7/16	6	1/19	1/20	16	1/20	16	1/30	21	3/17	25	4/10	30	10/23	31	11/18	25	NONE		NONE		NONE					246	196	
LOWER SOUTHERN LA PLATA 1 W 03																														
MECHANICSVILLE 5 NE	99	8/17	5	1/19	1/19	5	1/20	17	1/30	21	3/17	27	4/11	32	10/23	28	10/23	28	11/18	24	NONE		NONE					292	220	195
OWINGS FERRY LANDING	96	8/17	1	1/19	1/20	12	1/30	17	3/17	22	4/10	28	4/15	30	10/23	27	10/23	27	11/17	24	NONE		NONE					245	196	191
UPPER SOUTHERN 04																														
ANNAPOLIS POLICE BRKS	101	8/16	6	1/19	1/20	16	1/21	18	2/23	24	3/17	27	4/12	30	10/29	32	11/17	22	11/17	22	12/28	20	NONE				341	267	245	200
BALTIMORE WSO ARPT	R 101	8/16	1	1/19	1/20	9	2/10	18	3/17	22	4/10	26	4/16	32	10/23	28	10/23	28	11/18	21	NONE		NONE					246	196	190
BELTSVILLE	102	8/18	4	1/20	1/21	13	2/10	20	3/17	24	4/10	27	4/15	32	10/23	27	10/23	27	11/17	24	NONE		NONE					245	196	191
DALECARLIA RESERVOIR	105	8/17	7	1/19	1/19	7	1/20	17	3/17	22	4/10	26	4/15	32	10/22	30	11/16	28	11/18	21	12/29	14	12/29	14	344	343	246	220	190	
GLENN DALE BELL STN	104	8/16	6	1/19	1/19	6	2/13	20	3/17	21	4/15	27	5/ 8	30	10/ 2	32	10/23	26	11/15	22	11/18	18	12/15	16	330	278	243	191	147	
LAUREL 3 W	101	8/16	7	1/19	1/20	16	1/20	16	4/19	22	4/19	22	4/19	22	11/13	31	11/17	26	12/15	23	NONE		NONE					240	212	208
NATIONAL ARBORETUM DC	104	8/18	6	1/18	1/21	16	1/30	20	3/17	22	4/10	28	4/15	32	10/23	28	10/23	28	11/18	20	11/18	20	NONE				292	246	196	191
UPPER MARLBORO 3 NNW	100	8/18	3	1/20	1/21	13	1/31	20	3/17	23	4/11	28	4/11	28	10/23	29	10/24	28	11/18	21	12/16	20	NONE				319	246	196	195
NORTHERN EASTERN SHORE 05																														
CHESTERTOWN	101	8/16	6	1/19	1/20	13	2/11	20	3/17	23	4/10	28	4/11	31	10/23	28	10/23	28	11/18	20	11/18	20	NONE				280	246	196	195
MILLINGTON 1 SE					MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG							
NORTHERN CENTRAL 06																														
ABERDEEN PHILLIPS FIEL	R 98	8/17			1/17	10	1/17	10	3/17	24	4/10	27	4/10	27	10/23	28	10/23	28	MSG		MSG		MSG						196	196
BALTIMORE CITY	104	6/25	11	1/19	1/19	11	1/19	11	1/20	21	2/25	28	3/17	32	11/17	30	MSG		MSG		MSG		MSG						245	
CATOCTIN MOUNTAIN PARK	94	8/17	-2	1/19	2/26	16	4/10	20	4/10	20	4/10	20	4/19	29	10/23	27	10/23	27	11/16	24	12/31	19	NONE				265	220	196	187
CLARKSVILLE 3 NNE	102	8/16	-1	1/19	2/13	16	3/17	20	3/23	23	4/15	27	5/ 8	29	10/ 2	28	10/ 2	28	10/23	21	11/18	14	11/18	14	278	246	214	170	147	
CONOWINGO DAM	103	7/19	5	1/19	2/10	16	2/10	16	3/17	24	3/17	24	4/10	32	10/23	32	11/17	26	11/18	22	NONE		NONE					246	245	196
DAMASCUS 2 SSW	98	8/16	-1	1/19	2/13	14	3/16	20	4/10	22	5/ 8	28	5/ 8	28	10/ 2	31	10/23	22	10/23	22	11/18	18	NONE				247	196	168	147
EMMITSBURG 2 SE	99	8/16	0	1/19	2/13	12	3/17	20	4/10	24	4/15	28	5/ 8	29	10/ 2	32	10/23	25	11/ 5	24	11/18	17	NONE				246	209	191	147
FREDERICK POLICE BRKS	106	7/15	4	1/19	1/19	4	2/13	20	2/25	23	4/10	28	4/10	28	10/29	31	11/13	28	11/18	23	NONE		NONE					266	217	202
MILLERS 4 NE	97	8/16	0	1/19	2/10	16	3/17	20	4/10	23	4/10	23	4/22	31	10/ 2	32	10/23	28	11/17	24	11/18	19	NONE				246	221	196	163
ROCKVILLE 1 NE	100	8/16	7	1/19	1/19	7	1/20	18	2/25	24	4/10	28	4/10	28	10/23	32	11/17	27	12/31	21	NONE		NONE					309	221	196
WESTMINSTER POL BRKS	99	6/24	-5	1/19	2/25	15	4/10	20	4/10	20	4/20	28	4/21	31	10/23	27	10/23	27	11/17	22	NONE		NONE					221	186	185
WOODSTOCK	100	8/16	0	1/19	2/10	16	2/13	19	4/ 1	22	4/10	25	5/ 8	32	10/23	25	10/23	25	11/18	18	11/18	18	NONE				278	231	196	168
APPALACHIAN MOUNTAIN 07																														
CUMBERLAND 2	98	7/21	1	1/19	2/13	15	2/24	20	4/10	23	4/10	23	4/19	30	10/20	32	10/22	24	10/22	24	11/17	19	12/31	16	321	266	195	195	184	
FROSTBURG 2	89	7/15	-6	1/18	3/25	16	4/11	17	4/11	17	4/21	28	4/21	28	10/ 2	31	10/21	28	10/23	23	11/17	19	11/18	15	238	220	195	183	164	
HANCOCK					2/14	15	MSG		MSG		MSG		MSG		10/16	31	10/21	28	10/23	23	MSG		MSG							
ALLEGHENY PLATEAU 08																														
OAKLAND 1 SE	87	7/15	-7	1/19	4/10	13	4/10	13	4/20	22	4/21	26	5/23	30	10/ 2	29	10/16	27	10/21	24	10/23	18	11/18	3	222	196	184	178	132	
SAVAGE RIVER DAM	89	8/17	-2	1/20	2/17	15	2/27	20	4/11	23	4/21	28	4/21	28	9/22	32	10/23	23	10/23	23	11/18	14	11/18	14	274	264	195	185	154	
<b>DELAWARE</b>																														
NORTHERN 01																														
NEWARK UNIVERSITY FARM	100	8/16			MSG		MSG		3/17	22	4/10	27	4/11	30	10/23	30	11/13	28	11/18	21	NONE		NONE					246	217	195
WILMINGTON WSO ARPT	R 99	7/15	6	1/19	1/20	14	1/20	14	3/17	24	4/10	26	4/11	30	10/23	31	11/13	28	11/18	22	NONE		NONE					246	217	195
WILMINGTON PORTER RSVR	97	7/15	4	1/19	1/20	14	2/25	20	2/25	20	4/10	28	4/10	28	10/29	32	11/17	28	12/31	22	NONE		NONE					309	221	202



# 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.					
SOUTHERN 02																													
DOVER	95	8/17	8	1/19	1/20	14	1/20	14	3/17	23	4/10	28	4/10	28	10/23	29	11/17	28	11/19	24	NONE		NONE						
GEORGETOWN 5 SW					1/21	16	MSG		MSG		MSG		4/15	32	MSG		MSG		MSG		MSG		MSG				247	221	196
GREENWOOD 2 NE	98	8/17	4	1/19	1/20	11	2/10	20	3/17	21	4/10	27	5/ 8	32	10/23	28	10/23	28	11/18	22	NONE		NONE				246	196	168
LEWES	102	6/21	9	1/19	1/20	16	1/20	16	1/20	16	2/11	28	3/17	29	11/17	30	11/18	27	NONE		NONE		NONE				280	245	

**MONTHLY AND SEASONAL COOLING DEGREE DAYS**  
**BASE = 65 DEGREES FAHRENHEIT**

MARYLAND AND DELAWARE  
1997

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	SEASONAL NORM
<b>MARYLAND</b>														
SOUTHERN EASTERN SHORE 01														
ASSATEAGUE ISLAND	0	0	0	0	11	168	349	309	203	66	0	0	1106	
PRINCESS ANNE	0	0	0	0	39	222	401	288	B 175	45	0	B 0	B1170	1097
SALISBURY	0	0	2	4	42	243	417	318	184	62	0	0	1272	1190
SALISBURY FAA ARPT	0	3	0	0	33	223	393	285	161	55	0	0	1153	1096
SNOW HILL 4 N	0	0	0	5	39	224	379	270	164	43	0	0	1124	1053
CENTRAL EASTERN SHORE 02														
ROYAL OAK 2 SSW	0	0	0	1	40	241	433	307	149	50	0	0	1221	1245
VIENNA	0	0	0	3	44	243	451	318	189	63	0	0	1311	1292
LOWER SOUTHERN 03														
LA PLATA 1 W	0	0	2	3	58	211	389	304	147	52	0	0	1166	1040
MECHANICSVILLE 5 NE	0	0	0	4	31	189	327	243	109	30	0	0	933	1058
OWINGS FERRY LANDING	-	-	1	1	B 35	191	350	265	113	42	0	0	-	1108
UPPER SOUTHERN 04														
ANNAPOLIS POLICE BRKS	0	0	0	2	58	262	450	341	163	63	0	0	1339	1271
BALTIMORE WSO ARPT R	0	0	0	0	20	211	385	287	124	51	0	0	1078	1137
BELTSVILLE	0	0	0	1	25	224	382	306	138	45	0	0	1121	954
DALECARLIA RESERVOIR	0	0	2	4	42	237	378	345	156	61	0	0	1225	1213
GLENN DALE BELL STN	0	0	0	3	38	230	388	274	95	40	0	0	1068	984
LAUREL 3 W	0	0	1	0	31	259	434	B 335	158	69	0	0	B1287	1165
NATIONAL ARBORETUM DC	0	0	0	1	24	222	402	335	134	55	0	0	1173	1160
UPPER MARLBORO 3 NNW	0	0	0	0	13	192	349	270	110	43	0	0	977	944
NORTHERN EASTERN SHORE 05														
CHESTERTOWN	0	0	0	0	24	240	393	307	109	51	0	0	1124	1139
MILLINGTON 1 SE	0	-	0	-	24	-	-	-	-	-	-	-	-	980
NORTHERN CENTRAL 06														
ABERDEEN PHILLIPS FIEL	B 0	0	0	0	B 37	B 221	B 399	B 306	B 131	B 60	-	-	-	1087
BALTIMORE CITY R	0	2	11	16	B 88	387	-	-	253	111	0	0	-	1608
CATOCTIN MOUNTAIN PARK	0	0	0	0	14	162	248	181	68	39	0	0	712	
CLARKSVILLE 3 NNE	0	0	1	0	23	167	311	230	81	21	0	0	834	
CONOWINGO DAM	0	0	0	0	28	291	444	327	123	56	0	0	1269	935
DAMASCUS 2 SSW	0	0	0	0	15	161	276	203	66	32	0	0	753	
EMMITSBURG 2 SE	0	0	0	0	19	151	287	202	83	28	0	0	770	811
FREDERICK POLICE BRKS	0	0	1	3	35	278	432	330	155	54	0	0	1288	
MILLERS 4 NE	0	0	0	0	18	173	290	224	67	41	0	0	813	
ROCKVILLE 1 NE	0	0	1	2	30	229	375	297	96	38	0	0	1068	889
WESTMINSTER POL BRKS	0	0	0	0	10	218	340	229	98	40	0	0	935	887
WOODSTOCK	0	0	0	0	26	215	360	264	101	39	0	0	1005	956
APPALACHIAN MOUNTAIN 07														
CUMBERLAND 2	0	0	0	1	21	193	298	225	76	34	0	0	848	952
FROSTBURG 2	0	0	0	0	3	70	133	73	16	5	0	0	300	
HANCOCK	B 0	0	0	0	-	163	B 256	-	67	27	-	-	-	687
ALLEGHENY PLATEAU 08														
OAKLAND 1 SE	0	0	0	0	5	62	116	64	10	0	0	0	257	277
SAVAGE RIVER DAM	0	0	0	0	1	71	134	96	16	5	0	0	323	388
<b>DELAWARE</b>														
NORTHERN 01														
NEWARK UNIVERSITY FARM	0	-	0	0	19	195	373	280	108	43	0	0	-	1033
WILMINGTON WSO ARPT R	0	0	0	0	9	204	348	248	92	40	0	0	941	1046
WILMINGTON PORTER RSVR	0	0	0	0	11	231	360	273	114	48	0	0	1037	930
SOUTHERN 02														
DOVER	0	0	0	0	20	214	383	296	132	56	0	0	1101	1199
GEORGETOWN 5 SW	0	0	-	0	21	-	-	-	-	-	-	-	-	976

Heating Degree Days data found in July issue of Climatological Data

MARYLAND AND DELAWARE  
1997

Heating Degree Days data found in July issue of Climatological Data

TOTAL EVAPORATION AND WIND MOVEMENT

STATION		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
<b>MARYLAND</b>														
UPPER SOUTHERN 04														
BELTSVILLE	WIND	-	-	-	2488	2548	1291	1614	B 1378	1437	1586	-	-	-
	EVAP	-	-	-	B 4.96	6.75	6.28	8.52	B 6.18	B 4.59	3.61	-	-	-
	MAX TEMP	-	-	-	M 65.2	M 74.7	M 83.1	M 87.9	M -	M 79.8	M 66.3	-	-	M -
	MIN TEMP	-	-	-	M 40.0	M 46.9	M 59.8	M 64.8	M -	M 55.6	M 44.7	-	-	M -
UPPER MARLBORO 3 NNW	WIND	-	-	-	B 1759	B 1895	429	589	610	579	B 773	-	-	-
	EVAP	-	-	-	B 4.66	B 6.43	-	7.17	B 6.21	4.33	B 3.95	-	-	-
	MAX TEMP	-	-	-	67.5	77.6	87.8	93.3	89.2	83.3	69.5	-	-	M -
	MIN TEMP	-	-	-	41.9	48.7	61.9	67.4	64.7	58.2	48.5	-	-	M -
ALLEGHENY PLATEAU 08														
SAVAGE RIVER DAM	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-
	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-
	MAX TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>DELAWARE</b>														
NORTHERN 01														
NEWARK UNIVERSITY FARM	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-
	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-
	MAX TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTHERN 02														
GEORGETOWN 5 SW	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-
	EVAP	-	-	-	-	B 7.29	-	-	-	-	-	-	-	-
	MAX TEMP	-	-	-	-	69.6	-	-	-	-	-	-	-	M -
	MIN TEMP	-	-	-	-	50.9	-	-	-	-	-	-	-	M -

## 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 FIEL	0015	06	HARFORD	39 28	76 10W	57	74	74	0			C H
ANNAPOLIS POLICE BRKS	0193	04	ANNE ARUNDEL	38 59	76 30W	25	41	41	0			H
ASSATEAGUE ISLAND	0335	01	WORCESTER	38 4	75 13W	10	32	32	0			H
BALTIMORE WSO ARPT R	0465	04	ANNE ARUNDEL	39 11	76 40W	148	65	65	0			C HJ
BALTIMORE CITY # R	0470	06	BALTIMORE (C	39 17	76 37W	14	129	129	0			C H
BELTSVILLE	0700	04	PRINCE GEORG	39 2	76 53W	145	61	61	58			C H
BENSON POLICE BARRACKS	0732	06	HARFORD	39 30	76 23W	365	49	49	0			H
BOYDS 2 NW	1032	06	MONTGOMERY	39 13	77 20W	580	37	37	0			H
BRIGHTON DAM	1125	06	MONTGOMERY	39 12	77 1W	330	0	44	0			
CAMBRIDGE WTR TRMT PL	1385	02	DORCHESTER	38 34	76 4W	5	95	95	0			H
CATOCTIN MOUNTAIN PARK	1530	06	FREDERICK	39 39	77 29W	1610	33	33	0			H
CHESTERTOWN	1750	05	KENT	39 13	76 4W	40	94	94	0			H
CLARKSVILLE 3 NNE	1862	06	HOWARD	39 15	76 56W	370	31	31	0			H
COLLEGE PARK	1995	04	PRINCE GEORG	38 59	76 57W	90	111	111	0			C H
CONOWINGO DAM	2060	06	HARFORD	39 39	76 10W	40	64	64	0			H
CRISFIELD SOMERS COVE	2215	01	SOMERSET	37 59	75 52W	8	27	27	0			
CUMBERLAND 2	2282	07	ALLEGANY	39 38	78 45W	730	27	27	0			H
DALECARLIA RESERVOIR	2325	04	DISTRICT OF	38 56	77 7W	150	54	54	0			H
DAMASCUS 2 SW	2335	06	MONTGOMERY	39 16	77 14W	722	20	20	0			H
DAMASCUS 2 SSW	2336	06	MONTGOMERY	39 16	77 14W	670	6	6	0			H
DENTON 2 E	2523	02	CAROLINE	38 53	75 48W	50	39	39	0			H
EDGEMONT	2770	07	WASHINGTON	39 40	77 33W	905	0	51	0			
EMMITSBURG 2 SE	2906	06	FREDERICK	39 41	77 18W	416	44	44	0			H
FREDERICK POLICE BRKS	3348	06	FREDERICK	39 25	77 26W	380	27	27	0			H
FREDERICK 3 E	3355	06	FREDERICK	39 24	77 22W	385	0	41	0			
FROSTBURG 2	3415	07	ALLEGANY	39 40	78 56W	2168	28	28	0			H
GLENN DALE BELL STN	3675	04	PRINCE GEORG	38 58	76 48W	150	79	79	0			H
HAGERSTOWN	3975	07	WASHINGTON	39 39	77 44W	660	53	53	0			H
HANCOCK	4030	07	WASHINGTON	39 42	78 11W	384	66	66	0			H
LA PLATA 1 W	5080	03	CHARLES	38 32	77 0W	140	84	84	0			H
LAUREL 3 W	5111	04	PRINCE GEORG	39 6	76 54W	400	109	109	0			H
MC HENRY 2 NW	5832	08	GARRETT	39 35	79 22W	2680	19	19	0			C H
MECHANICSVILLE 5 NE	5865	03	ST. MARY'S	38 27	76 41W	100	38	38	0			H
MERRILL	5894	08	GARRETT	39 36	79 5W	1790	0	38	0			H
MILLERS 4 NE	5934	06	CARROLL	39 43	76 48W	860	13	13	0			C H
MILLINGTON 1 SE	5985	05	KENT	39 16	75 52W	30	93	93	0			
NATIONAL ARBORETUM DC	6350	04	DISTRICT OF	38 54	76 59W	50	53	53	0			H
OAKLAND 1 SE	6620	08	GARRETT	39 24	79 24W	2419	102	102	0			H
OWINGS FERRY LANDING	6770	03	CALVERT	38 41	76 40W	160	83	83	0			H
PATUXENT RIVER	6915	03	ST MARY'S	38 20	76 25W	38	14	14	0			C H
POTOMAC FILTER PLANT	7272	06	MONTGOMERY	39 2	77 15W	270	0	38	0			H
PRINCESS ANNE	7330	01	SOMERSET	38 13	75 41W	20	51	51	0			H
ROCKVILLE 1 NE	7705	06	MONTGOMERY	39 6	77 6W	440	52	52	0			H
ROYAL OAK 2 SSW	7806	02	TALBOT	38 43	76 11W	10	52	52	0			H
SALISBURY	8000	01	WICOMICO	38 22	75 35W	10	93	93	0			H
SALISBURY FAA ARPT #	8005	01	WICOMICO	38 20	75 31W	50	52	52	0			H
SAVAGE RIVER DAM	8065	08	GARRETT	39 31	79 8W	1495	49	52	49			C H
SNOW HILL 4 N	8380	01	WORCESTER	38 14	75 23W	30	84	84	0			H
TALL TIMBERS	8757	03	ST MARYS	38 10	76 33W	12	1	1	0	JAN		H
TOWSON	8877	06	BALTIMORE	39 23	76 34W	390	60	85	0			H
UNIONVILLE	9030	06	FREDERICK	39 27	77 11W	430	58	56	0			C H
UPPER MARLBORO 3 NNW	9070	04	PRINCE GEORG	38 52	76 47W	100	42	42	42			H
VIENNA	9140	02	DORCHESTER	38 29	75 50W	10	51	51	0			H
WESTMINSTER POL BRKS	9440	06	CARROLL	39 33	76 58W	765	21	21	0			H
WOODSTOCK	9750	06	BALTIMORE	39 20	76 52W	460	130	130	0			H

# 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	
<b>DELAWARE</b>												
DOVER	2730	02	KENT	39 9	75 31W	30	112	111	0			H
GEORGETOWN 5 SW	3570	02	SUSSEX	38 38	75 27W	45	44	44	36			C H
GREENWOOD 2 NE	3595	02	SUSSEX	38 50	75 35W	45	15	15	0			H
LEWES	5320	02	SUSSEX	38 46	75 8W	15	56	56	0			H
MIDDLETOWN 3 E	5852	01	NEW CASTLE	39 27	75 40W	55	38	38	0			
MILFORD 4 SE	5915	02	SUSSEX	38 54	75 28W	30	94	94	0			H
NEWARK UNIVERSITY FARM	6410	01	NEW CASTLE	39 40	75 44W	90	87	87	43			C H
WILMINGTON WSO ARPT R	9595	01	NEW CASTLE	39 40	75 36W	74	52	52	0			C HJ
WILMINGTON PORTER RSVR	9605	01	NEW CASTLE	39 46	75 32W	270	88	88	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.

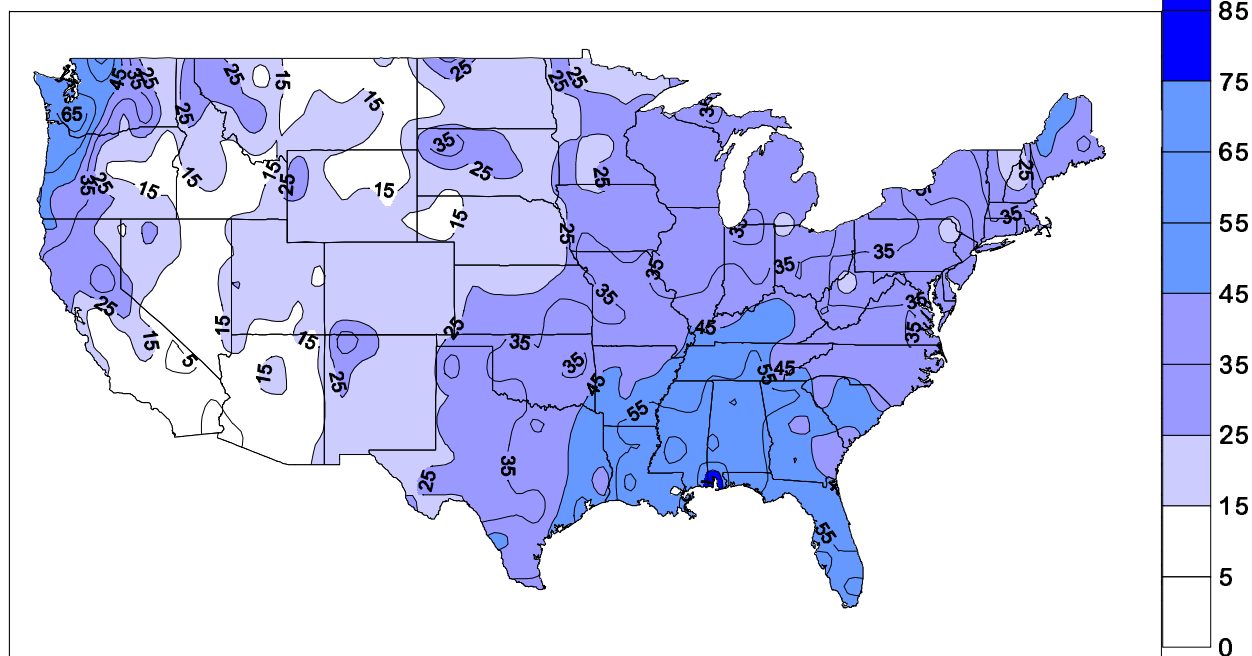
Information concerning the history of changes in locations, exposure, etc. of substations is kept on file at the National Climatic Data Center. Similar historical information of regular National Weather Service Offices is available from the "Local Climatological Data" annual bulletin.

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.

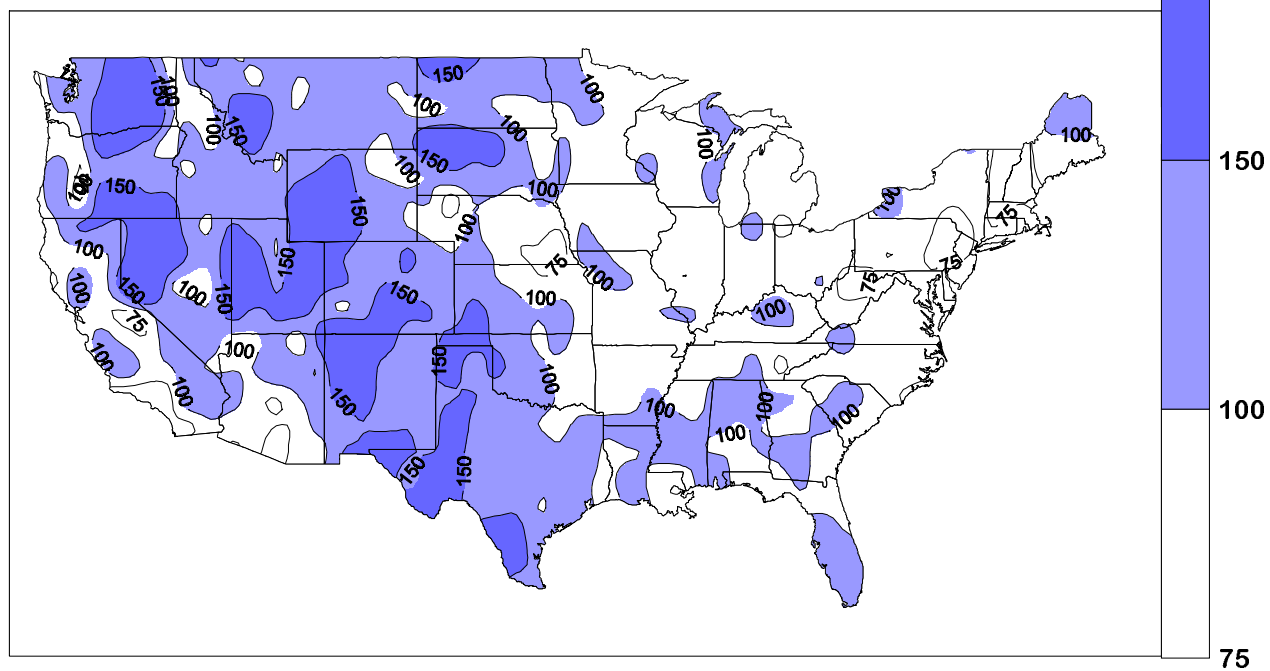
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**Total Precipitation (Inches)**  
**Annual 1997**



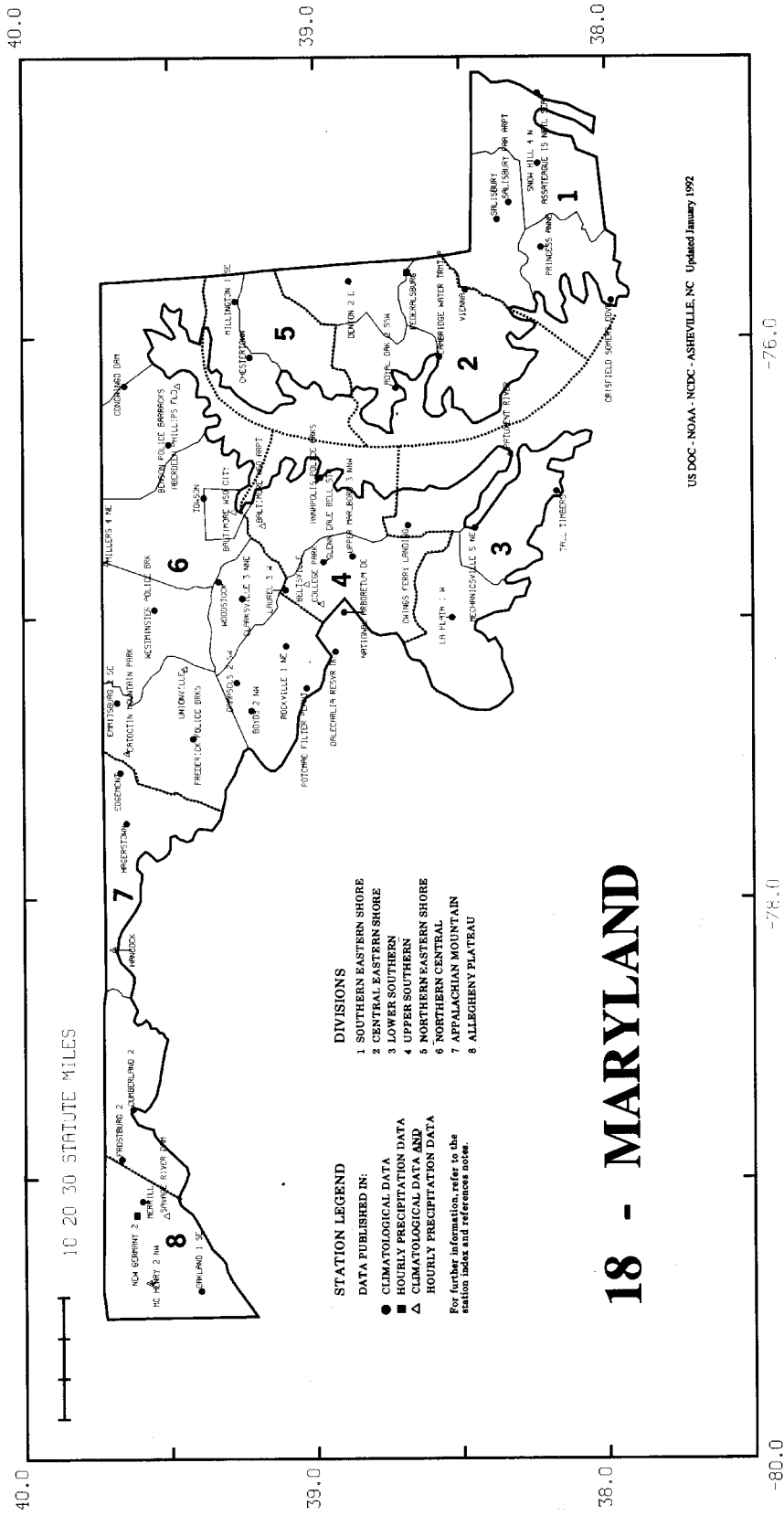
**Percent of Normal Precipitation**  
**Annual 1997**



**\*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





40.0

40.0

10 20 30 STATUTE MILES

# 07 - DELAWARE

1

## STATION LEGEND

DATA PUBLISHED IN:

- CLIMATOLOGICAL DATA
- HOURLY PRECIPITATION DATA
- △ CLIMATOLOGICAL DATA AND  
HOURLY PRECIPITATION DATA

For further information, refer to the  
station index and references notes.

## DIVISIONS

- 1 NORTHERN
- 2 SOUTHERN

DOVER

2

MILFORD 4 SE

GREENWOOD 2 NE

LEWES

GEORGETOWN 5 SH  
△

US DOC - NOAA - NCDC - ASHEVILLE, NC  
Updated January 1992

39.0

39.0

38.0  
-76.0

-75.5

-75.0

38.0

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PENALTY FOR PRIVATE USE \$300  
ADDRESS CORRECTION REQUESTED

<p>BULK RATE POSTAGE &amp; FEES PAID United States Department of Commerce NOAA Permit No. G-19</p>
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