

CLIMATOLOGICAL DATA ANNUAL SUMMARY MARYLAND AND DELAWARE 1984

VOLUME 88 NUMBER 13



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28801

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ACTING DIRECTOR
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ASHEVILLE NORTH CAROLINA

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

MARYLAND AND
DELAWARE
1984

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 STATE PARK	5.56		4.76		8.34		5.99		6.17		2.83	
PRINCESS ANNE	4.52	1.19	3.95	.65	7.53	3.54	4.20	.88	6.15	2.80	2.06	-1.35
SALISBURY	3.65	.13	3.28	-.13	8.01	3.79	4.12	.81	7.24	3.92	4.33	.71
SALISBURY FAA AP	3.17	-.21	3.51	.18	9.08	5.00	5.01	1.85	6.15	2.77	5.02	1.47
SNOW HILL 4 N	4.12	.49	3.45	-.15	7.58	2.98	4.84	1.52	6.33	2.90	2.55	-1.25
--DIVISIONAL DATA-->	4.20	.78	3.79	.48	8.11	3.96	4.83	1.67	6.41	3.10	3.36	-.07
CENTRAL EASTERN SHORE 02												
CAMBRIDGE WTR TRMT PL	3.01	-.48	3.86	.70	7.01	2.95	4.42	1.12	9.02	5.42	2.12	-1.45
DENTON 2 E	1.95	-1.37	3.57	.66	6.23	2.31	4.49	1.17	7.77	4.27	3.49	-.17
ROYAL OAK 2 SSW	2.43	-1.01	3.73	.53	7.34	3.27	4.40	.99	7.43	3.80	3.71	-.28
VIENNA	3.73	.21	4.48	1.21	7.01	3.09	4.38	1.04	8.90	5.88	2.45	-1.11
--DIVISIONAL DATA-->	2.78	-.64	3.91	.79	6.90	2.97	4.42	1.15	8.28	4.85	2.94	-.54
LOWER SOUTHERN 03												
LA PLATA 1 W	2.10	-1.04	3.43	.55	6.27	2.51	4.20	1.03	4.57	1.10	2.56	-1.22
MECHANICSVILLE 5 NE	2.04		4.77		10.85							
OWINGS FERRY LANDING	.55	-2.59	2.80	.08	3.55	.01						
PATUXENT RIVER	3.23		4.28		10.34		4.76		10.99		1.77	
--DIVISIONAL DATA-->	1.98	-1.29	3.82	.91	6.72	2.97	4.48	1.35	7.78	4.19	2.17	-1.46
UPPER SOUTHERN 04												
ANNAPOLIS POLICE BRKS	1.33		3.97		7.09		4.22		7.28		2.08	
BALTIMORE WSO AP	1.96	-1.04	3.90	.92	5.79	2.07	2.95	-.40	4.29	.85	1.65	-2.11
BELTSVILLE	1.43	-1.48	4.07	1.57	5.46	1.97	3.08	-.29	6.56	2.75	1.36	-2.53
COLLEGE PARK	1.52	-1.49	3.67	.88	5.41	1.76	3.23	-.14	6.68	2.83	1.13	-2.72
DALECARLIA RESVR D C	1.20	-1.87	3.98	1.05	6.51	2.68	4.42	.82	6.06	2.29	1.76	-1.92
GLENN DALE BELL STN	1.89	-1.17	3.83	1.08	5.88	2.18	3.51	-.01	6.41	2.47	2.01	-1.86
LAUREL 3 W	1.33		5.30	2.61	5.30	1.64	4.35	.95	5.46	1.40	1.90	-1.99
NATIONAL ARBORETUM D C	1.81	-1.36	4.19	1.34	6.06	2.31	3.43	.06	4.65	.72	.95	-3.00
UPPER MARLBORO 3 NNW	1.83	-1.45	3.59	.86	5.81	2.09	3.66	.34	4.17	.57	1.69	-2.15
--DIVISIONAL DATA-->	1.66	-1.40	4.06	1.27	5.92	2.24	3.65	.28	5.73	1.98	1.61	-2.19
NORTHERN EASTERN SHORE 05												
CENTREVILLE	1.75		4.44		6.04		3.97		6.40		2.09	
CHESTERTOWN	2.27	-1.01	4.63	1.68	5.37	1.39	4.19	.94	4.34	.72	2.01	-2.23
--DIVISIONAL DATA-->	2.01	-1.26	4.54	1.66	5.71	1.95	4.08	.88	5.37	1.92	2.05	-1.81
NORTHERN CENTRAL 06												
ABERDEEN PHILLIPS FLD	1.16		3.99		3.94		3.63		5.40		3.13	
BALTIMORE WSO CI	1.56	-1.51	4.33	1.26	5.65	1.72	2.98	-.53	5.04	1.41	2.49	-1.22
BENSON POLICE BARRACKS	1.64	-1.79	5.98	3.10	5.84	1.80	5.27	1.27	6.97	2.92	3.47	-.83
BOYDS 2 NW	1.03		4.21		5.72		5.34		3.75		1.01	
BRIGHTON DAM	1.38	-1.58	4.36	1.64	5.63	1.90	4.87	1.40	4.57	.64	1.40	-2.49
CATOCTIN MOUNTAIN PARK	1.50		9.61		5.77		4.72		5.61		2.98	
CLARKSVILLE 3 NNE	1.41		4.72		5.42		4.39		5.24		2.34	
CONOWINGO DAM	1.37	-1.96	4.92	2.07	5.71	1.72	4.45	.63	7.02	3.29	4.11	-.18
DAMASCUS 2 SW	1.71		4.99		5.99		5.02		4.35		1.25	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

MARYLAND AND
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STATION	JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE
MARYLAND														
SOUTHERN EASTERN SHORE 01														
ASSATEAGUE STATE PARK	3.97		.50		2.11		2.91		2.99		2.78		48.91	
PRINCESS ANNE	6.19	2.37	5.02	-.61	1.16	-2.81	1.46	-2.22	2.69	-.55	1.89	-1.51	46.82	2.38
SALISBURY	5.77	2.01	.60	-5.12	1.26	-2.33	2.39	-1.24	2.87	-.24	1.80	-1.82	45.32	.49
SALISBURY FAA AP	6.30	1.90	1.56	-4.16	.81	-3.13	2.02	-1.71	2.87	-.19	1.97	-1.74	47.47	2.03
SNOW HILL 4 N	7.00	3.01	.81	-4.62	1.46	-2.07	1.93	-1.87	2.57	-.81	2.06	-1.65	44.70	-1.52
--DIVISIONAL DATA----->	5.85	1.92	1.70	-3.50	1.36	-2.23	2.14	-1.42	2.80	-.39	2.10	-1.42	46.65	2.88
CENTRAL EASTERN SHORE 02														
CAMBRIDGE WTR TRMT PL	7.27	2.96	5.76	.48	1.10	-2.62	2.79	-.49	3.31	-.41	1.33	-2.38	51.00	5.80
DENTON 2 E	7.24	2.90			1.27	-2.23	2.62	-.75	3.03	-.50	1.35	-2.17		
ROYAL OAK 2 SSW	4.75	.36	2.67	-2.42	1.46	-2.26	2.89	-.57	3.30	-.43	1.39	-2.35	45.50	.19
VIENNA	4.25	.31	2.09	-3.54	1.29	-2.68	2.48	-.96	3.23	-.09	1.55	-2.02	45.84	1.34
--DIVISIONAL DATA----->	5.88	1.74	3.51	-1.71	1.28	-2.37	2.70	-.63	3.22	-.31	1.41	-2.19	47.23	3.11
LOWER SOUTHERN 03														
LA PLATA 1 W	5.76	1.73			1.54	-1.90	4.03	.62	2.96	-.24	2.09	-1.33		
MECHANICSVILLE 5 NE							3.52		3.11		1.31			
OWINGS FERRY LANDING									3.06	-.27	1.23	-2.06		
PATUXENT RIVER	3.29		4.49		1.52		5.25		3.65		1.59		55.16	
--DIVISIONAL DATA----->	4.53	.43	4.49	-.13	1.53	-1.97	4.27	1.00	3.20	-.14	1.56	-1.82	46.53	4.04
UPPER SOUTHERN 04														
ANNAPOLIS POLICE BRKS	5.65		4.56		1.72		2.96		3.02		1.48		45.36	
BALTIMORE WSO AP	3.27	-.62	4.11	-.51	2.38	-1.08	1.94	-1.17	3.01	-.10	1.71	-1.69	36.96	-4.88
BELTSVILLE	6.20	2.06	1.74	-2.97	1.60	-2.11	3.14	-.10	4.08	1.11	1.64	-1.70	40.36	-1.72
COLLEGE PARK	4.93	.87	2.18	-2.82	1.93	-1.63	3.06	-.05	4.14	1.04	1.47	-1.91	39.35	-3.38
DALECARLIA RESVR D C	6.19	2.15	3.69	-.91	2.29	-1.13	3.48	-.18			1.42	-2.07		
GLENN DALE BELL STN	6.40	2.09	2.48	-2.43	2.20	-1.46	3.15	-.15	3.63	.29	1.43	-1.96	42.82	-.93
LAUREL 3 W	6.12	2.24	2.70	-1.47	2.50	-.88	2.87	-.26	5.37	1.97	1.56	-1.78	44.76	
NATIONAL ARBORETUM D C	5.86	1.66	3.12	-1.98	1.73	-1.85	3.03	-.14	3.75	.67	1.43	-1.93	40.01	-3.50
UPPER MARLBORO 3 NNW	8.20	4.14	3.21	-1.45	1.95	-1.78	3.03	-.26	3.00	-.16	1.16	-2.23	41.30	-1.48
--DIVISIONAL DATA----->	5.87	1.88	3.09	-1.65	2.03	-1.49	2.96	-.18	3.75	.62	1.48	-1.90	41.81	-.54
NORTHERN EASTERN SHORE 05														
CENTREVILLE	4.10		5.33		1.25		3.45		2.77		1.60		43.19	
CHESTERTOWN	6.70	2.76	4.23	-.38	1.62	-1.96	2.66	-.50	2.75	-.71	1.62	-2.25	42.39	-1.55
--DIVISIONAL DATA----->	5.40	1.47	4.78	.27	1.44	-2.23	3.06	.00	2.76	-.64	1.61	-2.04	42.81	.17
NORTHERN CENTRAL 06														
ABERDEEN PHILLIPS FLD	5.06		1.48		1.68		3.67		3.15		1.79		38.08	
BALTIMORE WSO CI	3.75	-.28	3.18	-1.39	1.23	-2.43	2.04	-1.05	3.54	.20	1.99	-1.79	37.78	-5.61
BENSON POLICE BARRACKS	7.51	3.16	1.61	-3.30	1.55	-2.63	2.86	-.12	4.95	1.06	2.16	-1.83	49.81	2.81
BOYDS 2 NW	2.07		4.17		1.44		2.56		2.90		1.95		36.15	
BRIGHTON DAM	5.43	1.89	3.24	-.89	1.45	-2.24	3.50	.38	3.60	.43	1.72	-1.69	41.15	-.61
CATOCTIN MOUNTAIN PARK	6.09		10.79		1.58		3.15		3.46		1.74		57.00	
CLARKSVILLE 3 NNE	4.59		6.00		1.78		2.82		3.36		1.86		43.93	
CONOWINGO DAM	7.42	3.05	3.68	-.86	3.06	-.83	3.23	.04	5.04	1.56	1.93	-1.94	51.94	6.59
DAMASCUS 2 SW	2.60		7.11		2.51		3.10		3.50		1.84		43.97	

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	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE
EMMITSBURG 2 SE	2.44		6.23		5.87		4.40		7.15		3.56	
FREDRICK POLICE BRKS	2.04		5.47		5.15		4.10		5.73		2.10	
FREDERICK 3 E	1.67	-1.21	5.81	3.26	7.05	3.53	4.77	1.16	5.49	1.63	1.56	-2.46
PARKTON 2 SW	2.01		4.97						5.40		2.31	
POTOMAC FILTER PLANT	M 1.49		3.69		5.50		3.83		4.69		1.72	
ROCKVILLE 1 NE					5.89	2.35	4.15	.91	5.28	1.51	.67	-3.32
TOWSON	2.47	-.84	4.56	1.38	7.80	3.76	3.86	-.12	10.45	6.44	2.15	-1.89
UNIONVILLE	M 1.19		4.68	2.27	5.57		3.92	.41	3.95	.28	2.46	-1.62
WESTMINSTER POLICE BRK	1.56	-1.56	4.34	1.52	4.30	.38	3.21	-.48	4.88	1.01	2.42	-1.67
WOODSTOCK	1.89	-1.25	4.83	2.07	5.05	1.11	4.52	.90	5.04	1.27	1.86	-2.17
--DIVISIONAL DATA-->	1.70	-1.43	5.19	2.38	5.61	1.79	4.26	.63	5.70	1.88	2.39	-1.66
APPALACHIAN MOUNTAIN 07												
CUMBERLAND 2	1.12	-1.41	3.23	.82	4.69	1.08	4.71	1.35	3.12	-.49	2.52	-1.26
EDGEMONT	1.44	-1.63	7.11	4.49	4.80	1.09	3.67	.02	5.28	1.46	3.42	-.77
FROSTBURG 2	1.40		4.25		6.26		5.86		3.95		2.34	
HAGERSTOWN	1.32	-1.48	5.13	2.87	5.96	2.58	5.15	1.65	4.33	.59	2.40	-1.52
HANCOCK FRUIT LAB	1.38	-1.23	4.69	2.33	5.13	1.64	4.77	1.53	3.20	-.21	2.17	-1.69
--DIVISIONAL DATA-->	1.31	-1.44	4.33	1.83	5.51	1.85	5.12	1.69	3.65	-.04	2.36	-1.39
ALLEGHENY PLATEAU 08												
MC HENRY 2 NW	2.12		4.16		6.21		5.42		4.02		3.83	
MERRILL	1.17	-1.74	2.67	-.05	3.83		5.50	1.83	3.65	-.22	3.14	-.46
OAKLAND 1 SE	1.79	-2.00	4.71	1.51	6.92	2.50	5.68	1.17	4.31	-.13	5.22	-.86
SAVAGE RIVER DAM	1.00	-1.60	3.16	.81	5.30	1.92	5.36	1.88	3.19	-.48	2.50	-1.00
--DIVISIONAL DATA-->	1.64	-1.89	4.01	.92	6.14	1.93	5.49	1.30	3.84	-.28	3.85	-.29
DELAWARE												
NORTHERN MIDDLETOWN 1 WSW 01												
NEWARK UNIVERSITY FARM	M 1.36		4.13		6.52		4.29		7.42		3.32	
WILMINGTON WSO AP	.88		4.69	1.96	6.10	2.44	3.74	.24	5.14	1.62	5.49	1.74
WILMGTN PORTER RESVR	R 1.25	-1.86	4.27	1.28	5.40	1.53	4.24	.85	5.03	1.80	4.54	1.03
--DIVISIONAL DATA-->	1.53	-1.76	4.16	1.16	5.98	1.91	5.20	1.32	6.22	2.65	5.02	1.02
SOUTHERN BRIDGEVILLE 1 NW 02												
DOVER	2.65	-.76	3.81	.74	7.04	3.18	3.99	.68	8.74	5.43	3.27	-.49
GEORGETOWN 5 SW	2.01	-1.23	4.02	1.16	6.94	3.07	4.81	1.60	7.12	3.62	2.06	-1.55
LEWES	3.39	.04	3.63	.61	7.97	4.00	4.92	1.72	6.85	3.59	1.44	-2.15
MILFORD 4 SE	5.77	2.30	3.98	.65	7.86	3.65	4.54	1.13	8.36	4.82	1.68	-2.02
--DIVISIONAL DATA-->	2.59	-.80	4.10	.97	6.82	2.79						
--DIVISIONAL DATA-->	3.28	-.15	3.91	.77	7.33	3.30	4.57	1.26	7.77	4.37	2.11	-1.54

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EMMITSBURG 2 SE	5.18		5.70		1.49		4.17		3.02		1.89		51.10	
FREDRICK POLICE BRKS	6.10		4.76		1.50		3.80		2.81		2.42		45.98	
FREDERICK 3 E	5.12	1.48	5.29	1.58	2.26	-1.29	4.06	.93	3.15	-.01	2.15	-1.08	48.38	7.52
PARKTON 2 SW //	7.08		3.47		1.90		5.39		4.47		2.38			
POTOMAC FILTER PLANT	3.14		2.78		2.41				3.14		1.21			
ROCKVILLE 1 NE	3.57	-.21	6.29	1.83	1.35	-2.11	3.03	.03	3.09	.03	1.76	-1.24		
TOWSON	4.95	.82	3.12	-1.67	1.53	-2.62			2.66	-1.17	.64	-3.18		
UNIONVILLE	3.69	.10	5.47	1.71	1.13	-2.38	5.33	2.40	3.81	.72	1.88	-1.42	43.08	
WESTMINSTER POLICE BRK	5.54	1.54	8.03	4.03	1.21	-2.62	5.33	2.23	3.45	.24	1.63	-1.86	45.90	2.76
WOODSTOCK	5.39	1.83	7.55	3.57	2.15	-1.85	3.25	.13	3.54	.26	1.96	-1.56	47.03	4.31
--DIVISIONAL DATA----->	5.04	1.14	5.15	.85	1.69	-2.14	3.58	.43	3.55	.20	1.86	-1.66	45.72	2.41
APPALACHIAN MOUNTAIN 07														
CUMBERLAND 2	3.38	.19	4.67	1.34	1.39	-1.53	2.17	-.54	3.68	1.27	2.37	-.27	37.05	.55
EDGEMONT	6.05	2.80	6.43	2.60	2.00	-2.16	1.86	-1.44	4.04	.66	1.43	-1.59	47.53	5.53
FROSTBURG 2	5.41		6.74		1.90		3.43		4.31		3.11		48.96	
HAGERSTOWN	4.18	.84	7.29	3.70	1.28	-2.02	1.87	-1.26	4.10	1.08	1.53	-1.33	44.54	5.70
HANCOCK FRUIT LAB	3.50	-.06	4.57	1.27	1.44	-1.78	2.94	.01	4.11	1.44	1.59	-1.00	39.49	2.25
--DIVISIONAL DATA----->	4.12	.70	5.82	2.31	1.50	-1.69	2.60	-.37	4.05	1.31	2.15	-.69	42.52	4.07
ALLEGHENY PLATEAU 08														
MC HENRY 2 NW	6.37		6.19		2.46		4.01		4.41		4.55		53.75	
MERRILL	4.70	1.03	5.47	1.81	1.29	-1.57	2.70	-.18	3.62	1.01	3.06	-.07	40.80	
OAKLAND 1 SE	6.80	2.12	4.56	-.04	1.24	-1.87	3.82	.65	4.03	.89	4.80	.90	53.88	6.56
SAVAGE RIVER DAM	7.33	3.71	4.32	.71	1.00	-1.99	3.51	.63	3.04	.69	3.33	.65	43.04	5.93
--DIVISIONAL DATA----->	6.83	2.56	5.02	.84	1.57	-1.59	3.78	.65	3.83	.83	4.23	.58	50.23	5.56
DELAWARE														
NORTHERN 01														
MIDDLETOWN 1 WSW	5.82		1.41		2.79		3.38		1.90		1.55		43.89	
NEWARK UNIVERSITY FARM	8.65	4.33	2.81	-1.69	2.71	-.90	3.00	-.18	2.06	-1.13	1.98	-1.55	47.25	
WILMINGTON WSO AP	6.53	2.63	1.56	-2.47	2.02	-1.57	3.31	.42	1.63	-1.70	1.94	-1.60	41.72	.34
WILMGTION PORTER RESVR	8.95	4.82	1.34	-3.08	2.50	-1.31	4.02	.79	1.93	-1.83	2.58	-1.16	49.43	4.53
--DIVISIONAL DATA----->	7.49	3.49	1.78	-2.39	2.51	-1.08	3.43	.26	1.88	-1.50	2.01	-1.54	45.70	3.48
SOUTHERN 02														
BRIDGEVILLE 1 NW	4.08	-.28	1.50	-3.78	1.61	-2.11	2.00	-1.42	2.58	-.59	1.32	-2.37	42.59	-1.77
DOVER	4.06	-.21	1.64	-3.48	2.57	-1.57	2.19	-1.37	2.50	-1.03	1.72	-1.81	41.64	-2.80
GEORGETOWN 5 SW	4.65	.63	2.96	-2.47	1.36	-2.15	2.75	-.73	2.64	-.65	1.60	-1.99	44.16	.45
LEWES	3.90	-.26	.78	-4.58	2.53	-.73	3.18	-.15	3.04	-.45	1.80	-2.02	47.42	2.34
MILFORD 4 SE							2.60	-.87	2.16	-1.27	1.37	-2.44		
--DIVISIONAL DATA----->	4.17	-.06	1.72	-3.52	2.02	-1.65	2.54	-.93	2.58	-.79	1.56	-2.17	43.56	-1.11

SEE REFERENCE NOTES FOLLOWING STATION INDEX

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (°F)

MARYLAND AND
DELAWARE
1984

1984																										
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 STATE PARK	32.3		42.0		41.4		52.8		62.4		72.6		73.2		78.1		69.9		65.8		49.7		48.5		57.4	
PRINCESS ANNE	32.6	-3.0	43.7	6.4	41.3	-3.7	52.1	-2.7	62.5	-1.3	73.3	1.6	74.6	-1.4	74.9	-1.1	65.3	-3.3	63.5	5.9	47.1	-1.9	46.6	7.4	56.5	.4
SALISBURY	33.1	-3.6	44.6	6.2	42.2	-3.8	53.8	-2.0	65.1	.3	74.3	1.7	75.1	-1.9	76.2	.2	66.9	-3.0	64.1	5.0	47.5	-2.0	47.0	6.7	57.5	.3
SALISBURY FAA AP	34.3	-.8	45.8	9.2	42.5	-1.7	53.6	-.6	63.0	-.1	74.2	2.6	75.8	-.7	76.3	1.0	66.2	-2.4	64.0	6.6	46.2	-1.5	46.3	7.5	57.4	1.6
SNOW HILL 4 N	32.4	-3.6	43.0	5.5	41.2	-3.8	52.9	-1.7	63.8	.3	74.0	2.4	74.3	-1.6	75.4	.4	66.9	-2.1	64.1	6.0	47.1	-1.4	47.3	7.8	56.9	.7
--DIVISIONAL DATA----->	32.9	-3.1	43.8	6.3	41.7	-3.4	53.0	-1.9	63.4	-.4	73.7	1.7	74.6	-2.0	76.2	.4	67.0	-2.6	64.3	5.6	47.5	-1.4	47.1	7.3	57.1	.5
CENTRAL EASTERN SHORE 02																										
CAMBRIDGE WTR TRMT PL	31.4	-3.3	44.3	8.0	41.5	-3.0	53.8	-1.1	65.8	1.6	75.6	3.1	76.6	-.3	76.8	1.2	68.1	-1.4	63.8	5.3	47.8	-.6	47.3	8.6	57.7	1.5
DENTON 2 E	29.4	-4.7	42.8	6.7	40.6	-3.5	51.8	-3.1	62.8	-1.5	73.5	.9	75.0	-1.9	M	1.1	66.1	-3.0	62.6	4.9	45.7	-1.9	44.9	7.1	M	
ROYAL OAK 2 SSW	30.2	-4.8	42.7	6.0	41.3	-3.9	53.8	-2.0	64.8	-.4	74.7	1.2	75.5	-2.2	76.9	.3	67.5	-2.8	64.9	5.6	47.5	-1.4	46.1	7.2	57.2	.2
VIENNA	31.5	-4.4	44.7	7.2	42.0	-3.6	54.9	-.7	65.1	.3	75.6	2.6	75.6	-1.8	76.8	.5	68.4	-1.5	65.4	6.5	47.2	-1.8	47.4	7.8	57.9	.9
--DIVISIONAL DATA----->	30.6	-4.4	43.6	6.9	41.4	-3.5	53.6	-1.7	64.6	.0	74.9	2.0	75.7	-1.5	76.8	.8	67.5	-2.2	64.2	5.5	47.1	-1.4	46.4	7.6	57.2	.7
LOWER SOUTHERN 03																										
LA PLATA 1 W	30.3	-4.3	43.3	6.5	41.2	-4.0	53.5	-2.0	63.1	-.9	72.8	1.2	73.5	-2.4	M	M	64.6	-4.2	63.3	5.7	45.9	-1.4	45.8	7.9	M	
MECHANICSVILLE 5 NE	32.0		44.7		42.8		M		M		M		M		M				63.4		45.4		45.6		M	
OWINGS FERRY LANDING	M27.2	-7.3	41.9	5.6	40.0	-4.6	M		M		M		M		M				M		46.2	-1.7	46.2	8.1	M	
PATUXENT RIVER	M32.4		42.7		41.7		54.0		64.6		75.2		75.8		77.4		68.8		64.8		47.0		46.5		M57.6	
--DIVISIONAL DATA----->	30.5	-4.4	43.2	6.3	41.4	-3.8	53.8	-1.9	63.9	-.7	74.0	1.6	74.7	-2.0	77.4	1.8	66.7	-2.6	63.8	5.8	46.1	-1.9	46.0	7.4	56.8	.5
UPPER SOUTHERN 04																										
ANNAPOLIS POLICE BRKS	30.4		42.1		40.7		53.4		64.9		75.7		76.7		77.2		68.2		65.3		46.5		46.5		57.3	
BALTIMORE WSO AP	R 28.5	-4.2	41.7	7.0	38.2	-5.1	51.5	-2.5	61.3	-2.1	73.4	1.2	73.9	-2.9	75.0	-.6	64.8	-4.1	62.2	5.3	43.9	-2.4	44.1	7.6	54.9	-.2
BELTSVILLE	27.1	-4.2	39.6	6.6	36.8	-5.1	50.9	-1.8	61.5	-.3	72.6	2.3	73.9	-1.3	75.3	1.3	64.9	-2.3	61.7	6.7	44.0	-1.0	43.4	8.1	54.3	.8
COLLEGE PARK	29.1	-4.9	41.7	5.5	39.5	-5.1	52.7	-2.7	64.2	-.5	74.8	1.9	75.8	-1.4	77.2	1.2	67.1	-2.1	63.8	6.4	45.7	-1.2	44.6	7.3	56.4	.4
DALECARLIA RESVR D C	30.4	-3.5	41.9	5.6	39.2	-5.7	M		64.0	-1.0	M75.2	2.4	75.7	-1.5	76.2	.3	M67.2	-2.0	63.6	6.0	M		44.9	7.5	M	
GLENN DALE BELL STN	28.7	-4.5	40.5	5.1	39.7	-4.2	52.2	-2.0	62.8	-.6	73.0	1.8	73.1	-2.5	74.2	-.3	M64.5	-3.5	61.3	4.7	45.1	-1.2	45.6	8.9	M55.1	.1
LAUREL 3 W	29.4	-4.0	40.4	4.7	M		53.4	-1.8	62.9	-1.5	74.6	2.0	M		76.3	.1	66.3	-3.3	62.9	4.7	45.5	-2.0	44.4	7.5	M	
NATIONAL ARBORETUM D C	29.2	-5.6	41.1	4.3	39.2	-6.4	52.3	-3.9	62.7	-2.5	73.7	.3	74.5	-3.2	75.1	-1.6	65.2	-4.9	M62.1	3.8	43.8	-4.3	44.1	5.6	M55.3	-1.5
UPPER MARLBORO 3 NNW	28.2		40.8		38.8		52.1		62.9		73.0		73.3		74.5		64.3		62.2		43.8		43.4		54.8	
--DIVISIONAL DATA----->	29.0	-4.2	41.1	6.0	39.0	-4.7	52.3	-2.1	63.0	-.7	74.0	2.1	74.6	-1.9	75.7	.4	65.8	-2.9	62.8	5.8	44.8	-1.8	44.6	7.7	55.6	.3
NORTHERN EASTERN SHORE 05																										
CENTREVILLE	29.1		42.1		39.3		52.4		63.0		73.6		M		75.1		67.1		63.4		47.4		44.9		M	
CHESTERTOWN	28.2	-4.9	41.0	6.0	38.3	-5.1	52.3	-1.8	63.0	-.7	74.4	2.1	75.3	-1.6	76.6	.8	66.1	-3.2	63.2	5.4	45.1	-1.9	44.2	7.2	55.6	.2
--DIVISIONAL DATA----->	28.7	-4.5	41.6	6.5	38.8	-4.7	52.4	-1.7	63.0	-.5	74.0	1.9	75.3	-1.2	75.9	.5	66.6	-2.4	63.3	5.7	46.3	-.7	44.6	7.6	55.9	.5
NORTHERN CENTRAL 06																										
ABERDEEN PHILLIPS FLD	28.9		M40.8		M40.2		53.1		M61.9		M73.2		75.0		M75.9		M		M		M		M		M	
BALTIMORE WSO CI	R 30.7	-4.8	42.9	5.6	41.7	-3.8	55.8	-1.0	64.9	-1.4	78.2	2.9	77.3	-2.6	77.8	-.6	67.7	-4.0	64.5	4.4	46.1	-3.1	45.7	6.4	57.8	-.2
BENSON POLICE BARRACKS	27.1	-4.1	38.9	5.3	36.9	-5.2	50.9	-1.9	61.2	-1.2	71.5	.9	74.3	-.6	75.5	1.7	65.2	-2.3	61.5	5.5	43.2	-2.1	41.7	6.6	54.0	.2
BOYDS 2 NW	28.9		40.9		38.0		51.9		62.2		72.7		73.6		74.3		65.4		62.6		44.5		44.7		55.0	
CATOCTIN MOUNTAIN PARK	26.0		37.1		33.3		48.5		59.2		69.6		69.9		70.2		62.1		58.7		40.6		41.3		51.4	
CLARKSVILLE 3 NNE	27.2		39.6		37.6		51.0		61.8		72.4		74.3		74.6		64.4		61.9		43.2		44.0		54.3	
CONOWINGO DAM	26.1	-4.1	38.3	6.0	36.3	-4.8	50.3	-1.7	61.5	-.5	71.4	.8	73.9	-1.2	75.7	1.7	64.5	-2.7	61.6	6.3	43.5	-.6	41.2	7.1	53.7	.5
DAMASCUS 2 SW	27.6		39.4		36.7		50.7		60.7		71.7		72.7		73.8		64.1		61.1		43.5		43.5		53.8	
EMMITSBURG 2 SE	26.0		39.1		37.1		50.6		61.0		70.7		72.5		73.0		62.4		59.9		41.0		M41.8		M52.9	
FREDRICK POLICE BRKS	28.9		41.1		38.4		52.4		63.5		74.7		75.7		76.2		66.3		63.2		44.9		45.8		55.9	
PARKTON 2 SW	// 25.6		37.3		M		55.3		58.8		69.5		70.4		72.0		61.1		58.8		42.0		41.6		M	
ROCKVILLE 1 NE					39.7	-4.4	55.3	.4	66.5	2.6	76.5	5.0	77.2	1.5	77.0	2.6	65.7	-2.0	62.9	6.1	42.1	-4.2	44.7	8.3	M	
TOWSON	25.9		39.8		37.2		M52.8		62.8		M		M		77.9		M65.4		M		44.7		43.4		M	
UNIONVILLE	24.9	-4.6	38.9	7.0	36.2	-4.7	49.9	-1.6	59.7	-1.2	70.3	1.0	72.9	-.7	72.2	.0	62.0	-3.3	59.7	5.9	41.6	-1.6	42.8	9.4	52.6	.5

SEE REFERENCE NOTES FOLLOWING STATION INDEX

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (°F)

MARYLAND AND
DELAWARE
1984

INTERPRETATION OF TEMPERATURES AND DEPARTURES FROM NORMAL (1)																										1984	
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
WESTMINSTER POLICE BRK		28.1	-2.0	40.1	7.9	36.4	-4.6	51.4	-1.8	62.4	-1.9	73.6	3.7	74.0	-1.2	74.3	1.3	64.8	-1.5	61.9	7.0	44.1	-1.2	44.4	10.4	54.6	1.8
HOODSTOCK		28.1	-3.3	39.6	6.1	37.7	-4.4	51.4	-1.5	62.1	-1.3	73.4	3.1	74.3	-1.6	74.8	1.3	64.6	-2.2	62.0	6.8	43.9	-1.8	44.2	9.0	54.7	1.1
--DIVISIONAL DATA----->		27.3	-4.3	39.6	5.9	37.6	-4.7	51.7	-1.5	61.9	-1.7	72.6	1.8	73.9	-1.2	74.7	.8	64.4	-3.0	61.5	5.7	43.3	-1.9	43.4	8.1	54.3	.4
APPALACHIAN																											
MOUNTAIN 07																											
CUMBERLAND 2		27.7	-3.2	40.4	7.2	36.1	-6.0	52.2	-1.3	60.9	-1.9	72.3	1.9	72.3	-2.1	74.0	.8	63.6	-3.0	60.8	5.8	41.4	-2.7	42.7	8.4	53.7	.3
FROSTBURG 2		22.9		34.2		28.5		44.9		54.7		64.3		65.1		67.6		56.9		55.1		35.8		37.8		47.3	
HAGERSTOWN		27.2	-3.4	39.3	6.4	36.6	-5.5	51.5	-2.1	61.7	-1.4	73.6	2.6	73.3	-1.6	74.2	.8	65.1	-1.7	61.1	5.8	43.3	-1.0	43.5	9.3	54.2	.7
HANCOCK FRUIT LAB		26.4	-2.8	39.4	8.3	36.0	-4.0	51.0	-1.1	60.6	.4	70.6	2.1	72.0	-1.9	73.1	1.4	63.4	-1.5	61.1	8.2	42.0	-1.8	43.6	10.7	53.3	1.8
--DIVISIONAL DATA----->		26.1	-4.0	38.3	6.1	34.3	-6.7	49.9	-2.4	59.5	-2.1	70.2	.7	70.7	-2.7	72.2	-1.1	62.3	-3.4	59.5	5.2	40.6	-3.0	41.9	8.2	52.1	-.3
ALLEGHENY PLATEAU 08																											
MC HENRY 2 NW		21.4		33.0		28.3		44.4		54.1		66.8		65.6		68.4		58.9		56.6		36.6		37.8		47.7	
OAKLAND 1 SE		24.4	-1.8	34.8	6.8	31.4	-5.0	45.7	-1.5	55.4	-.9	66.1	2.5	65.9	-1.5	68.5	1.8	57.6	-2.9	57.3	7.8	36.8	-2.4	39.8	9.9	48.6	1.1
SAVAGE RIVER DAM		23.3	-3.1	34.9	7.0	31.1	-5.7	46.7	-1.7	56.7	-1.1	67.9	2.5	67.9	-1.6	69.9	1.3	59.5	-2.5	56.6	5.8	37.1	-3.2	39.3	9.1	49.2	.6
--DIVISIONAL DATA----->		23.0	-2.5	34.2	7.0	30.3	-5.5	45.6	-1.6	55.4	-1.2	66.9	2.9	66.5	-1.2	68.9	2.1	58.7	-1.9	56.8	7.3	36.8	-2.3	39.0	9.6	48.5	1.1
DELAWARE																											
NORTHERN 01																											
MIDDLETOWN 1 WSW		27.0		40.9		37.6		51.2		62.4		73.1		74.2		74.6		65.1		61.8		45.9		43.2		54.8	
NEWARK UNIVERSITY FARM		27.8	-3.9	39.3	5.6	37.5	-4.6	51.6	-1.2	63.4	.7	73.0	1.7	75.3	-.4	75.3	.8	65.0	-2.9	62.2	5.9	44.9	-.9	44.3	8.7	55.0	.8
WILMINGTON WSO AP		24.8	-6.4	38.6	5.4	35.6	-6.2	50.7	-1.7	61.2	-1.0	73.8	2.6	75.2	-.8	75.2	.4	63.7	-4.2	61.2	4.9	43.3	-2.3	42.1	6.6	53.8	-.2
WILMGTN PORTER RESVR		26.5	-4.3	38.3	5.7	35.4	-5.6	50.3	-1.5	60.3	-1.3	73.1	2.7	74.1	-.8	75.4	1.7	64.6	-2.3	61.6	5.9	45.1	-.1	42.5	7.4	53.9	.6
--DIVISIONAL DATA----->		26.5	-5.1	39.3	5.8	36.5	-5.5	51.0	-1.7	61.8	-.6	73.3	2.1	74.7	-1.0	75.1	.6	64.6	-3.2	61.7	5.3	44.8	-1.0	43.0	7.3	54.4	.3
SOUTHERN 02																											
BRIDGEVILLE 1 NW		30.5	-3.8	43.1	7.1	40.6	-3.2	52.7	-1.5	64.1	.4	74.2	2.2	74.4	-1.8	74.5	-.2	66.0	-2.4	64.1	6.7	45.9	-1.6	45.7	7.6	56.3	.8
DOVER		30.6	-3.8	42.0	5.6	39.6	-4.7	53.0	-1.7	64.1	-.1	75.3	2.7	76.2	-.8	77.2	1.4	67.9	-1.7	64.0	5.4	47.5	-.7	46.1	7.7	57.0	.8
GEORGETOWN 5 SW		29.2	-5.0	41.9	6.1	38.9	-4.6	51.5	-2.1	62.2	-.9	72.2	.7	74.2	-1.9	74.5	-.4	66.0	-2.4	62.2	5.2	45.3	-1.9	44.9	7.1	55.3	.0
LEWES		32.3	-2.3	42.5	6.4	40.1	-3.2	52.9	-.2	62.7	.6	68.1	-2.6	69.0	-6.2	76.5	2.2	68.8	.4	63.5	6.0	49.1	1.1	47.4	8.9	56.1	.9
MILFORD 4 SE		30.7	-3.6	42.7	6.9	39.9	-4.4													63.7	6.0	46.8	-.8	45.7	7.8		
--DIVISIONAL DATA----->		30.7	-3.8	42.4	6.3	39.8	-4.1	52.5	-1.6	63.3	-.1	72.5	.7	73.5	-2.7	75.7	.6	67.2	-1.5	63.5	5.8	46.9	-.9	46.0	7.7	56.2	.5

SEE REFERENCE NOTES FOLLOWING STATION INDEX

TEMPERATURE EXTREMES AND FREEZE DATA (°F)

MARYLAND AND
DELAWARE
1984

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.								
MARYLAND																														
SOUTHERN EASTERN SHORE 01																														
ASSATEAGUE STATE PARK	95	9/ 3	7	1/22	2/ 2	16	3/12	20	3/13	24	3/15	28	4/ 1	31	11/18	32	11/20	27	11/22	20	11/22	20	NONE							
PRINCESS ANNE	94	6/ 8	4	1/22	3/10	15	3/10	15	3/12	21	4/ 1	28	4/12	32	11/ 7	29	11/ 8	26	11/15	23	11/24	19	12/26	11	291	255	254	250	231	
SALISBURY	94	9/ 3	6	1/22	1/23	15	3/10	18	3/12	21	3/13	28	4/ 2	31	11/ 8	29	11/15	26	11/21	24	12/26	19	NONE							
SALISBURY FAA AP	95	6/ 8	7	1/22	1/23	16	3/12	20	3/12	20	4/ 1	28	4/10	31	11/ 8	30	11/15	25	11/21	22	12/26	17	NONE							
SNOW HILL 4 N	96	6/ 8	2	1/22	3/10	15	3/10	15	3/12	21	4/10	28	4/12	31	11/ 7	31	11/15	25	11/21	22	11/23	20	NONE							
CENTRAL EASTERN SHORE 02																														
CAMBRIDGE WTR TRMT PL	95	7/11	2	1/22	1/23	10	2/ 9	20	3/12	22	3/13	28	4/10	32	11/ 9	32	11/15	27	11/23	20	11/23	20	NONE							
DENTON 2 E			-5	1/22	3/10	14	3/12	19	3/12	19	4/10	27	4/10	27	11/ 8	26	11/ 8	26	11/20	21	11/23	18	NONE							
ROYAL OAK 2 SSW	94	9/ 3	-4	1/22	1/23	10	3/12	20	3/12	20	3/13	28	4/ 1	30	11/ 8	30	11/20	28	11/23	23	NONE									
VIENNA	95	9/ 4	1	1/22	1/23	13	3/10	19	3/12	22	3/13	28	4/11	31	11/ 8	31	11/15	28	11/23	21	12/26	20	NONE							
LOWER SOUTHERN 03																														
LA PLATA 1 W			-8	1/22	3/10	14	3/10	14	3/12	21	4/ 2	26	4/10	30	11/ 8	27	11/ 8	27	11/21	21	11/23	19	NONE							
MECHANICSVILLE 5 NE					1/23	15	3/10	20	3/30	21	3/30	21	3/30	21	11/ 7	32	11/ 8	27	11/21	20	11/21	20	12/26	16	338	256	256	236	223	
OWINGS FERRY LANDING					1/23	2	3/ 9	17	3/13	23	3/13	23	3/31	30	11/ 8	28	11/ 8	28	11/21	22	11/23	19	NONE							
PATUXENT RIVER	96	9/ 3	5	1/22	1/23	16	1/23	16	3/10	22	3/12	25	3/24	31	11/15	31	11/20	28	11/23	23	NONE									
UPPER SOUTHERN 04																														
ANNAPOLIS POLICE BRKS	95	7/12	-8	1/22	1/23	12	3/10	18	3/12	21	3/13	28	4/ 1	30	11/15	29	11/20	27	11/21	23	NONE									
BALTIMORE WSO AP	95	6/13	-7	1/22	3/10	13	3/12	19	3/12	19	4/ 1	28	4/10	30	11/ 8	28	11/ 8	28	11/21	20	11/21	20	NONE							
BELTSVILLE	95	6/14	-12	1/22	3/10	12	3/12	18	3/17	22	4/10	27	4/10	27	11/ 3	30	11/ 8	25	11/20	24	11/21	18	NONE							
COLLEGE PARK	97	6/ 9	-7	1/22	2/ 1	16	3/12	19	3/12	19	4/ 1	28	4/10	30	11/ 8	28	11/ 8	28	11/21	20	11/21	20	NONE							
DALECARLIA RESVR D C	99	9/24			2/27	15	3/12	20	3/29	22	4/ 1	28	4/ 7	31	12/ 2	27	12/ 2	27	12/ 7	17	12/ 7	17	NONE							
GLENN DALE BELL STN	98	6/ 9	-8	1/22	3/10	11	3/12	18	4/ 2	24	4/10	28	5/17	31	11/ 3	32	11/ 8	23	11/ 8	23	11/21	12	11/21	12	256	254	220	212	170	
LAUREL 3 W	96	6/13	-7	1/22	3/12	15	3/12	15	3/13	22	3/16	26	3/24	29	11/ 8	30	11/21	21	11/21	21	NONE									
NATIONAL ARBORETUM D C	96	6/10	-4	1/22	2/ 2	15	3/12	19	3/13	21	3/24	27	4/10	30	11/ 8	26	11/ 8	26	11/21	19	11/21	19	NONE							
UPPER MARLBORO 3 NNW	95	6/14	-12	1/22	3/10	15	3/12	19	3/13	24	4/ 2	28	4/10	29	11/ 8	24	11/ 8	24	11/ 8	24	11/21	18	11/23	16	258	254	240	220	212	
NORTHERN EASTERN SHORE 05																														
CENTREVILLE	95	6/13	-13	1/22	2/ 2	15	3/10	20	3/15	24	4/ 2	27	4/ 9	32	11/ 8	28	11/ 8	28	11/20	24	11/22	19	NONE							
CHESTERTOWN	97	6/ 8	-7	1/22	3/10	10	3/12	19	3/12	19	3/13	26	4/ 2	32	11/ 8	30	11/20	25	11/22	22	NONE									
NORTHERN CENTRAL 06																														
ABERDEEN PHILLIPS FLD	94	6/ 8	-10	1/22	2/ 2	15	3/12	19	3/12	19	3/13	27	4/ 2	31	11/ 9	32	11/20	25	11/23	20	11/23	20	NONE							
BALTIMORE WSO CI	100	6/13	8	1/22	1/22	8	3/10	20	3/12	21	3/13	27	3/13	27	11/17	32	11/20	24	11/20	24	12/ 7	20	NONE							
BENSON POLICE BARRACKS	95	6/14	-10	1/22	3/12	13	3/12	13	3/24	22	4/10	28	4/11	31	11/ 3	28	11/ 3	28	11/15	24	11/20	19	11/23	16	256	253	236	207	206	
BOYDS 2 NW	94	6/13	-2	1/22	3/12	15	3/12	15	3/13	22	3/24	28	4/10	32	11/ 3	29	11/ 8	28	11/20	23	11/23	20	NONE							
CATOCTIN MOUNTAIN PARK	87	6/13	-5	1/21	3/12	10	3/13	18	3/13	18	3/29	28	4/12	32	11/ 3	27	11/ 3	27	11/20	18	11/20	18	12/ 7	13	270	252	252	219	205	
CLARKSVILLE 3 NNE	97	6/ 8	-18	1/22	3/12	15	3/12	15	4/ 1	23	4/10	25	5/17	30	11/ 3	29	11/ 8	22	11/ 8	22	11/21	16	11/21	16	254	254	221	212	170	
CONOWINGO DAM	97	6/ 9	-9	1/22	3/11	15	3/12	18	3/12	18	4/ 2	28	4/ 2	28	11/ 8	30	11/15	28	11/22	23	11/23	20	NONE							
DAMASCUS 2 SW	93	7/11	-2	1/21	3/12	15	3/12	15	3/13	21	3/15	28	4/11	31	11/ 3	27	11/ 3	27	11/20	22	12/ 7	17	NONE							
EMMITSBURG 2 SE	94	6/10	-19	1/22	3/12	15	3/12	15	3/15	24	4/ 2	26	5/17	31	11/ 3	25	11/ 3	25	11/ 8	20	11/20	16	11/20	16	253	241	238	215	170	
FREDRICK POLICE BRKS	96	6/14	-10	1/22	3/12	12	3/12	12	3/13	22	3/15	28	4/ 2	30	11/ 3	32	11/ 8	26	11/20	24	12/ 7	20	NONE							
PARKTON 2 SW					2/ 9	16	2/29	19	2/29	19	2/29	19	5/17	32	11/ 3	28	11/ 3	28	11/20	20	11/20	20	12/26	16	321	255	255	248	170	
ROCKVILLE 1 NE	97	6/ 8			3/12	16	3/12	16	3/13	24	3/13	24	4/10	31	11/ 3	29	11/ 8	27	11/20	21	11/21	18	NONE							
TOWSON					3/12	15	3/13	18	3/24	24	3/24	24	3/31	32	11/ 3	30	11/ 8	28	11/20	22	12/26	19	NONE							
UNIONVILLE	96	6/ 9	-20	1/22	3/12	15	3/12	15	4/ 2	23	4/11	26	5/17	29	9/27	32	11/ 3	26	11/ 8	21	11/20	17	11/21	12	254	253	220	206	133	
WESTMINSTER POLICE BRK	98	6/ 8	-1	1/21	3/12	12	3/12	12	3/13	21	3/24	26	4/11	32	11/ 3	29	11/20	21	11/20	21	12/ 7	18	NONE							
WOODSTOCK	95	6/13	-13	1/22	3/12	16	3/12	16	3/24	24	4/10	27	4/11	32	11/ 3	30	11/ 8	25	11/20	22	11/21	19	11/23	16	256	254	241	212	206	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

TEMPERATURE EXTREMES AND FREEZE DATA (°F)

MARYLAND AND
DELAWARE
1984

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.					
APPALACHIAN MOUNTAIN 07																													
CUMBERLAND 2	97	6/13	-6	1/22	3/12	14	3/12	14	3/14	24	4/1	28	4/10	30	11/2	27	11/2	27	11/19	21	11/21	17	12/6	16	269	254	250	215	206
FROSTBURG 2	88	6/14	-10	1/22	3/14	15	3/24	20	4/12	22	4/12	22	4/24	31	9/28	28	9/28	28	11/3	24	11/4	18	11/20	14	251	225	205	169	157
HAGERSTOWN	99	6/14	-8	1/22	3/12	14	3/12	14	3/15	24	3/24	27	4/2	30	11/3	27	11/3	27	11/20	24	11/22	20	NONE		255	250	224	215	
HANCOCK FRUIT LAB	94	6/13	-14	1/22	3/12	13	3/24	20	4/2	24	4/10	25	5/17	30	10/3	32	11/3	24	11/3	24	11/20	19	11/22	15	255	241	215	207	139
ALLEGHENY PLATEAU 08																													
MC HENRY 2 NW	87	6/13	-15	1/22	3/14	5	3/24	20	4/8	22	4/11	28	5/17	31	11/3	23	11/3	23	11/3	23	11/18	20	11/20	12	251	239	209	206	170
OAKLAND 1 SE	89	5/21	-17	3/10	3/24	14	4/8	19	5/17	24	5/17	24	5/17	24	9/17	29	11/3	24	11/3	24	11/8	19	11/20	8	241	214	170	170	123
SAVAGE RIVER DAM	89	8/10	-12	1/22	3/13	7	3/13	7	3/25	24	4/11	27	5/17	31	11/3	25	11/3	25	11/8	23	11/20	16	11/20	16	252	252	228	206	170
DELAWARE																													
NORTHERN 01																													
MIDDLETOWN 1 WSW	104	6/9	-15	1/22	3/12	16	3/12	16	4/1	22	4/1	22	4/10	31	11/3	31	11/8	27	11/20	21	11/22	20	NONE		255	233	221	207	
NEWARK UNIVERSITY FARM	95	6/12	-10	1/22	3/12	16	3/12	16	4/2	22	4/2	22	4/22	31	11/3	30	11/15	26	11/20	21	11/22	20	NONE		255	232	227	195	
WILMINGTON WSO AP	98	7/11	-14	1/22	3/12	13	3/12	13	3/24	24	4/1	26	4/22	32	11/3	30	11/8	26	11/20	17	11/20	17	NONE		253	241	221	195	
WILMSTON PORTER RESVR	95	6/13	-3	1/22	3/12	15	3/12	15	3/13	22	3/24	28	4/1	31	11/3	32	11/20	24	11/20	24	12/25	20	NONE		288	252	241	216	
SOUTHERN 02																													
BRIDGEVILLE 1 NW	96	6/13	-1	1/22	3/10	15	3/12	19	3/12	19	4/1	27	4/10	29	11/8	26	11/8	26	11/15	23	11/23	18	NONE		256	248	221	212	
DOVER	97	6/9	-4	1/22	3/10	12	3/12	19	3/12	19	4/1	28	4/10	32	11/8	32	11/15	27	11/20	24	12/26	20	NONE		289	253	228	212	
GEORGETOWN 5 SW	94	9/4	-1	1/22	3/10	13	3/12	20	3/24	24	4/10	28	4/12	32	11/7	32	11/9	28	11/15	23	11/23	16	11/23	16	258	256	236	213	209
LEWES	94	8/7	6	1/22	2/8	15	3/10	20	3/12	22	4/1	28	4/10	30	11/15	28	11/15	28	11/23	21	12/26	20	NONE		291	256	228	219	
MILFORD 4 SE					3/10	12	3/12	19	3/14	23	3/24	26	3/27	30	11/8	31	11/15	27	11/21	24	11/23	19	NONE		256	252	236	226	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY AND SEASONAL COOLING DEGREE DAYS
BASE=65 DEGREES FAHRENHEIT

MARYLAND AND
DELAWARE
1984

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	SEASONAL NORM
MARYLAND														
SOUTHERN EASTERN SHORE 01														
ASSATEAGUE STATE PARK	0	0	0	0	49	245	261	413	180	70	4	0	1222	
PRINCESS ANNE	0	0	0	0	68	B 264	303	315	116	65	0	0	B 1131	1063
SALISBURY	0	0	0	0	102	291	318	351	136	59	0	0	1257	1200
SALISBURY FAA AP	0	0	0	0	73	290	344	357	118	70	0	0	1252	1074
SNOW HILL 4 N	0	0	0	0	88	285	295	330	145	73	0	0	1216	1058
CENTRAL EASTERN SHORE 02														
CAMBRIDGE WTR TRMT PL	0	0	0	1	115	B 326	369	375	B 155	55	0	0	B 1396	1167
DENTON 2 E	0	0	0	0	79	272	315	-	135	52	0	0	-	1163
ROYAL OAK 2 SSW	0	0	0	0	92	299	334	377	154	70	0	0	1326	1286
VIENNA	0	0	0	0	92	324	333	372	162	77	0	0	1360	1245
LOWER SOUTHERN 03														
LA PLATA 1 W	0	0	0	1	82	250	272	-	B 93	59	0	0	-	1071
MECHANICSVILLE 5 NE	0	0	B 0	-	-	-	-	-	-	63	0	0	-	
OWINGS FERRY LANDING	0	0	0	-	-	-	-	-	-	-	0	0	-	1116
PATUXENT RIVER	B 0	0	0	1	99	316	343	389	165	65	0	2	B 1380	
UPPER SOUTHERN 04														
ANNAPOLIS POLICE BRKS	0	0	0	0	100	330	370	386	156	76	0	3	1421	
BALTIMORE WSO AP	R 0	0	0	0	59	268	281	316	98	41	0	2	1065	1138
BELTSVILLE	0	0	0	0	61	248	281	325	116	37	0	0	1068	917
COLLEGE PARK	0	0	0	3	100	311	343	386	153	60	0	0	1356	1203
DALECARLIA RESVR D C	0	0	0	-	112	B 319	337	354	B 143	63	-	0	-	1209
GLENN DALE BELL STN	0	0	0	0	92	256	260	294	B 107	38	0	1	B 1048	1008
LAUREL 3 W	0	0	-	4	77	297	-	361	121	47	0	0	-	1220
NATIONAL ARBORETUM D C	0	0	0	1	65	283	302	322	112	B 45	0	0	B 1130	1311
UPPER MARLBORO 3 NNW	0	0	0	1	79	260	267	303	100	46	0	0	1056	
NORTHERN EASTERN SHORE 05														
CENTREVILLE	0	0	0	0	77	268	-	325	131	48	0	0	-	
CHESTERTOWN	0	0	0	0	77	296	328	367	118	54	0	0	1240	1158
NORTHERN CENTRAL 06														
ABERDEEN PHILLIPS FLD	0	B 0	B 0	0	B 48	B 270	318	B 347	-	-	-	-	-	
BALTIMORE WSO CI	R 0	0	0	3	117	400	387	402	155	70	0	3	1537	1545
BENSON POLICE BARRACKS	0	0	0	0	47	219	294	332	104	31	0	0	1027	944
BOYDS 2 NW	0	0	0	4	67	248	271	297	114	41	0	0	1042	
CATOCTIN MOUNTAIN PARK	0	0	0	0	37	170	164	174	55	13	0	0	613	
CLARKSVILLE 3 NNE	0	0	0	0	71	243	297	307	104	45	0	0	1067	
CONOWINGO DAM	0	0	0	0	50	213	278	338	84	34	0	0	997	928
DAMASCUS 2 SW	0	0	0	2	52	226	248	281	93	32	0	0	934	
EMMITSBURG 2 SE	0	0	0	0	46	193	243	260	76	22	0	B 0	B 840	
FREDRICK POLICE BRKS	0	0	0	2	82	305	337	356	141	51	0	1	1275	
PARKTON 2 SW	// 0	0	-	-	28	165	178	234	55	20	0	0	-	
ROCKVILLE 1 NE	0	-	0	12	145	360	386	379	127	56	0	2	-	1063
TOWSON	0	0	0	B 0	73	-	-	406	B 105	-	0	0	-	
UNIONVILLE	0	0	0	0	50	190	250	235	63	24	0	0	812	759
WESTMINSTER POLICE BRK	0	0	0	2	68	273	285	294	110	37	0	2	1071	841
WOODSTOCK	0	0	0	1	70	267	295	312	98	42	0	0	1085	896
APPALACHIAN MOUNTAIN 07														
CUMBERLAND 2	0	0	0	6	54	232	239	284	96	22	0	0	933	902
FROSTBURG 2	0	0	0	1	14	62	59	119	11	1	0	0	267	
HAGERSTOWN	0	0	0	3	58	B 274	265	295	118	36	0	6	B 1055	935
HANCOCK FRUIT LAB	0	0	0	5	56	187	227	262	96	33	0	5	871	692

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY AND SEASONAL COOLING DEGREE DAYS
BASE=65 DEGREES FAHRENHEIT

MARYLAND AND
DELAWARE
1984

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	SEASONAL NORM
ALLEGHENY PLATEAU 08	0	0	0	2	18	111	64	129	21	1	0	0	346	
MC HENRY 2 NW	0	0	0	0	20	94	69	135	16	1	0	0	335	276
OAKLAND 1 SE	0	0	0	1	26	129	111	172	35	0	0	0	474	417
SAVAGE RIVER DAM														
DELAWARE														
NORTHERN 01														
MIDDLETOWN 1 WSW	0	0	0	0	67	261	289	306	108	47	0	0	1078	
NEWARK UNIVERSITY FARM	0	0	0	B	60	258	324	326	97	44	0	0	B 1109	1003
WILMINGTON WSO AP	0	0	0	0	50	276	321	327	80	34	0	0	1088	1015
WILMINGTON PORTER RESVR	0	0	0	0	33	251	288	329	89	34	0	0	1024	901
SOUTHERN 02														
BRIDGEVILLE 1 NW	0	0	0	0	92	288	298	303	126	68	0	0	1175	1062
DOVER	0	0	0	0	87	321	356	386	162	65	0	1	1378	1179
GEORGETOWN 5 SW	0	0	0	0	60	237	292	302	123	50	0	0	1064	1050
LEWES	0	0	0	0	B 50	182	B 144	B 364	164	58	0	1	B 963	946
MILFORD 4 SE	0	0	0	-	-	-	-	-	-	68	0	0	-	1101

SEE REFERENCE NOTES FOLLOWING STATION INDEX

TOTAL EVAPORATION AND WIND MOVEMENT

MARYLAND AND
DELAWARE
1984

STATION		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MARYLAND														
UPPER SOUTHERN 04 BELTSVILLE	WIND	-	-	-	B 1559	1466	868	692	574	1071	1008	-	-	-
	EVAP	-	-	-	B 3.91	B 5.60	7.05	B 6.43	5.63	B 4.95	3.01	-	-	-
	MAX TEMP	-	-	-	67.0	77.7	89.3	M 89.9	92.7	80.9	M 72.1	-	-	M -
	MIN TEMP	-	-	-	44.8	52.5	64.6	M 68.3	68.7	56.6	M 54.1	-	-	M -
UPPER MARLBORO 3 NNW	WIND	-	-	-	724	776	473	447	132	317	236	-	-	-
	EVAP	-	-	-	B 3.96	5.60	6.83	B 6.12	5.30	B 3.58	2.64	B 3.18	-	-
	MAX TEMP	-	-	-	64.1	76.5	88.6	88.0	90.9	78.8	71.0	51.6	-	M -
	MIN TEMP	-	-	-	47.1	56.0	66.0	69.9	70.5	57.7	57.2	38.7	-	M -
ALLEGHENY PLATEAU 08 SAVAGE RIVER DAM														
	WIND	-	-	-	-	1397	848	787	647	771	684	-	-	-
	EVAP	-	-	-	-	B 4.86	5.42	B 4.94	B 4.95	3.67	B 1.97	-	-	-
	MAX TEMP	-	-	-	M -	67.8	82.5	81.5	82.8	73.9	63.6	-	-	M -
	MIN TEMP	-	-	-	M -	48.4	59.2	60.6	63.3	52.4	49.5	-	-	M -
DELAWARE														
NORTHERN 01 NEWARK UNIVERSITY FARM	WIND	-	-	-	-	-	-	-	-	537	538	1036	-	-
	EVAP	-	-	-	-	-	B 7.47	B 7.42	B 5.44	B 3.54	B 2.28	-	-	-
	MAX TEMP	-	-	-	-	-	-	M 89.5	M 90.2	77.7	M 68.3	M -	-	M -
	MIN TEMP	-	-	-	-	-	-	M 69.4	M 68.4	56.6	M 53.4	M -	-	M -
SOUTHERN 02 GEORGETOWN 5 SW	WIND	-	-	-	B 2604	2790	2025	2242	1435	1802	1962	-	-	-
	EVAP	-	-	-	B 4.99	B 7.29	B 7.43	B 7.11	B 6.74	5.51	B 3.27	-	-	-
	MAX TEMP	-	-	-	M 68.4	77.5	89.4	90.6	92.4	82.1	74.5	-	-	M -
	MIN TEMP	-	-	-	M 47.1	55.4	66.0	70.2	70.5	58.8	57.0	-	-	M -

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
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1984

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	60	60	0			C H
ANNAPOLIS POLICE BRKS	0193	04	ANNE ARUNDEL	38 59	76 30W	25	27	27	0			H H
ASSATEAGUE STATE PARK	0335	01	WORCESTER	38 14	75 8W	7	18	18	0			H H
BALTIMORE WSO AP	0465	04	ANNE ARUNDEL	39 11	76 40W	196	51	51	0			C H J
BALTIMORE WSO CI	0470	06	BALTO CITY	39 17	76 37W	91	115	115	0			C C
BELTSVILLE	0700	04	PRN GEORGES	39 2	76 53W	120	48	48	4			C H
BENSON POLICE BARRACKS	0732	06	HARFORD	39 30	76 23W	365	38	38	0			C
BOYDS 2 NW	1032	06	MONTGOMERY	39 13	77 20W	580	33	33	0			
BRIGHTON DAM	1125	06	MONTGOMERY	39 12	77 1W	330	0	40	0			
CAMBRIDGE WTR TRMT PL	1385	02	DORCHESTER	38 34	76 4W	5	91	91	0			C H
CATOCTIN MOUNTAIN PARK	1530	06	FREDERICK	39 39	77 29W	1610	19	19	0			H H
CENTREVILLE	1627	05	QUEEN ANNES	39 3	76 4W	60	34	34	0			H H
CHESTERTOWN	1750	05	KENT	39 13	76 4W	40	80	80	0			H H
CLARKSVILLE 3 NNE	1862	06	HOWARD	39 15	76 56W	365	19	19	0			C H
COLLEGE PARK	1995	04	PRN GEORGES	38 59	76 57W	90	99	99	0			C
CONOWINGO DAM	2060	06	HARFORD	39 39	76 10W	40	50	50	0			H
CRISFIELD SOMERS COVE	2215	01	SOMERSET	37 59	75 52W	8	23	23	0		OCT	
CUMBERLAND 2	2282	07	ALLEGANY	39 38	78 45W	730	13	13	0			H
DALECARLIA RESVR D C	2325	04		38 56	77 7W	146	40	40	0			
DAMASCUS 2 SW	2335	06	MONTGOMERY	39 16	77 14W	720	13	13	0			H H
DENTON 2 E	2523	02	CAROLINE	38 53	75 48W	50	35	35	0			H H
EDGEMONT	2770	07	WASHINGTON	39 40	77 33W	905	0	47	0			H H
EMMITSBURG 2 SE	2906	06	FREDERICK	39 41	77 18W	416	30	30	0			H H
FREDERICK POLICE BRKS	3348	06	FREDERICK	39 25	77 26W	380	13	13	0			H H
FREDERICK 3 E	3355	06	FREDERICK	39 24	77 22W	385	0	37	0			
FROSTBURG 2	3415	07	ALLEGANY	39 40	78 56W	2170	14	14	0			H
GLENN DALE BELL STN	3675	04	PRN GEORGES	38 58	76 48W	150	65	65	0			H
HAGERSTOWN	3975	07	WASHINGTON	39 39	77 44W	660	44	44	0			C H
HANCOCK FRUIT LAB	4030	07	WASHINGTON	39 42	78 11W	428	52	52	0			H H
LA PLATA 1 W	5080	03	CHARLES	38 32	77 0W	140	71	71	0			C H
LAUREL 3 W	5111	04	PRN GEORGES	39 6	76 54W	400	95	95	0			
MC HENRY 2 NW	5832	08	GARRETT	39 35	79 22W	2680	15	15	0			C H
MECHANICSVILLE 5 NE	5865	03	ST MARYS	38 26	76 43W	100	24	24	0			
MERRILL	5894	08	GARRETT	39 36	79 5W	1790	0	34	0			
MILLINGTON 2 WNW	5985	05	KENT	39 16	75 52W	30	89	89	0			H
NATIONAL ARBORETUM D C	6350	04		38 54	76 59W	50	39	39	0			H H
OAKLAND 1 SE	6620	08	GARRETT	39 24	79 24W	2420	88	88	0			H H
OWINGS FERRY LANDING	6770	03	CALVERT	38 41	76 40W	160	69	69	0			C H
PARKTON 2 SW	6844	06	BALTIMORE	39 38	76 42W	600	33	33	0			C
PATUXENT RIVER	6915	03	ST MARY'S	38 20	76 25W	38	10	10	0			
POTOMAC FILTER PLANT	7272	06	MONTGOMERY	39 2	77 15W	270	0	24	0			
PRINCESS ANNE	7330	01	SOMERSET	38 13	75 41W	20	37	37	0			H H
ROCKVILLE 1 NE	7705	06	MONTGOMERY	39 6	77 6W	440	38	38	0			H H
ROYAL OAK 2 SSW	7806	02	TALBOT	38 43	76 11W	10	38	38	0			
SALISBURY	8000	01	WICOMICO	38 22	75 35W	10	79	79	0			
SALISBURY FAA AP	8005	01	WICOMICO	38 20	75 31W	48	38	38	0			C H
SAVAGE RIVER DAM	8065	08	GARRETT	39 31	79 8W	1495	35	38	3			H H
SNOW HILL 4 N	8380	01	WORCESTER	38 14	75 23W	28	70	70	0			H H
TOWSON	8877	06	BALTIMORE	39 23	76 34W	390	48	73	0			
UNIONVILLE	9030	06	FREDERICK	39 27	77 11W	430	46	44	0			C H
UPPER MARLBORO 3 NNW	9070	04	PRN GEORGES	38 52	76 47W	98	30	30	3			H H
VIENNA	9140	02	DORCHESTER	38 29	75 50W	12	37	37	0			
WESTMINSTER POLICE BRK	9440	06	CARROLL	39 33	76 58W	765	7	7	0			

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
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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	
WOODSTOCK	9750	06	BALTIMORE	39 20	76 52 W	460	116	116	0			H
DELAWARE												
BRIDGEVILLE 1 NW	1330	02	SUSSEX	38 45	75 37 W	50	95	95	0			H
DOVER	2730	02	KENT	39 9	75 31 W	30	98	97	0			H
GEORGETOWN 5 SW	3570	02	SUSSEX	38 38	75 27 W	45	40	40	3			H
LEWES	5320	02	SUSSEX	38 46	75 8 W	15	42	42	0			H
MIDDLETOWN 1 WSW	5852	01	NEW CASTLE	39 26	75 45 W	60	34	34	0			H
MILFORD 4 SE	5915	02	SUSSEX	38 54	75 28 W	30	90	90	0			H
NEWARK UNIVERSITY FARM	6410	01	NEW CASTLE	39 40	75 44 W	90	73	73	2			H
WILMINGTON WSO AP	R 9595	01	NEW CASTLE	39 40	75 36 W	79	38	38	0			C H J
WILMGTN PORTER RESVR	9605	01	NEW CASTLE	39 46	75 32 W	274	74	74	0			H

SEE REFERENCE NOTES FOLLOWING STATION INDEX

REFERENCE NOTES

MARYLAND AND
DELAWARE
1984

DEFINITIONS

MONTHLY DEGREE DAY TOTALS: One heating (cooling) degree day is accumulated for each degree that the daily mean temperature is below (above) 65 deg. F.

WIND: (As shown in "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.

NORMALS: The average value of the meteorological element over the time period - 1951-1980. The normals for National Weather Service localities have been adjusted so as to be representative for the current observation site.

DIVISIONS: Areas within a state of similar climatological characteristics. Division averages are calculated using data from stations that record both temperature and precipitation (ie: not precipitation alone).

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.

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 the 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 (eg. Z14.6 = M-14.6, Z08.2 = M108.2).

SYMBOLS AND LETTERS USED IN THE STATION INDEX TABLE

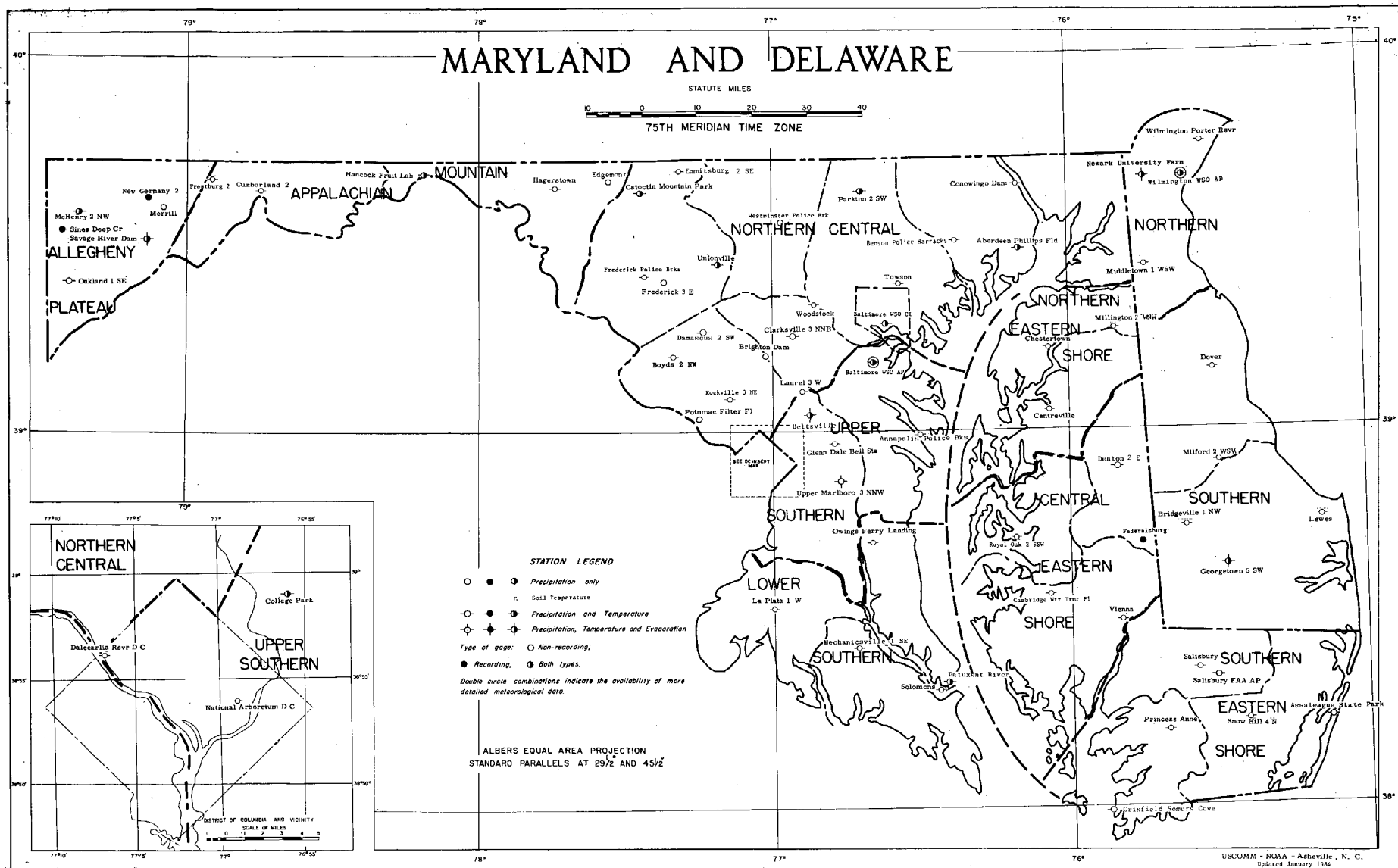
- # Thermometers located in a rooftop shelter.
- C Station is equipped with recording rain gage (R) but values in this bulletin are from a non-recording rain gage unless indicated by an R.
- G Observations appear in "Soil Temperatures" table.
- H Observations appear in "Snowfall and Snow on Ground" table in Monthly Climatological Data publications.
- J Station also published as a "Local Climatological Data" publication.

Additional Information regarding the climate of this state may be obtained by writing to the National Climatic Data Center, Federal Building, Asheville, N.C. 28801-2696, or to any Weather Service Office near you. Additional precipitation data are contained in the "Hourly Precipitation Data" bulletin for each state, except Alaska.

Seasonal Tables: Monthly and seasonal snowfall and heating degree days for the 12 months ending with the June data will be carried in the July issue of this bulletin. Cooling degree days for the calendar year will be published in the "Climatological Data Annual Summary".

Information concerning the history of changes in locations, exposure, etc. of substations through 1955 is available in the "Substation History" publication. Subsequent historical information is kept on file at the National Climatic Data Center. Similar information for regular National Weather Service Offices may be obtained from the "Local Climatological Data" annual publication.

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1984 DROUGHT INDICES

The 12 maps on the following pages depict monthly values, for 1984, of the Palmer Moisture Anomaly (Z) Index. Data are presented for each climatic division in seven categories of drought delineated by various thresholds of drought and wetness. The maps serve to illustrate the spatial and temporal variability of drought across the U.S. in 1984. The "Z" index, reflecting short-term moisture deficiencies or excesses, has been shown to be well-related to some crop yields. It emphasizes the moisture availability in the top-soil rather than long term water storage which is more difficult for crops to obtain. A "Z" index value of 4.0 (extremely wet) can theoretically occur in the midst of a long-term drought.

LONG TERM DROUGHT INDICES

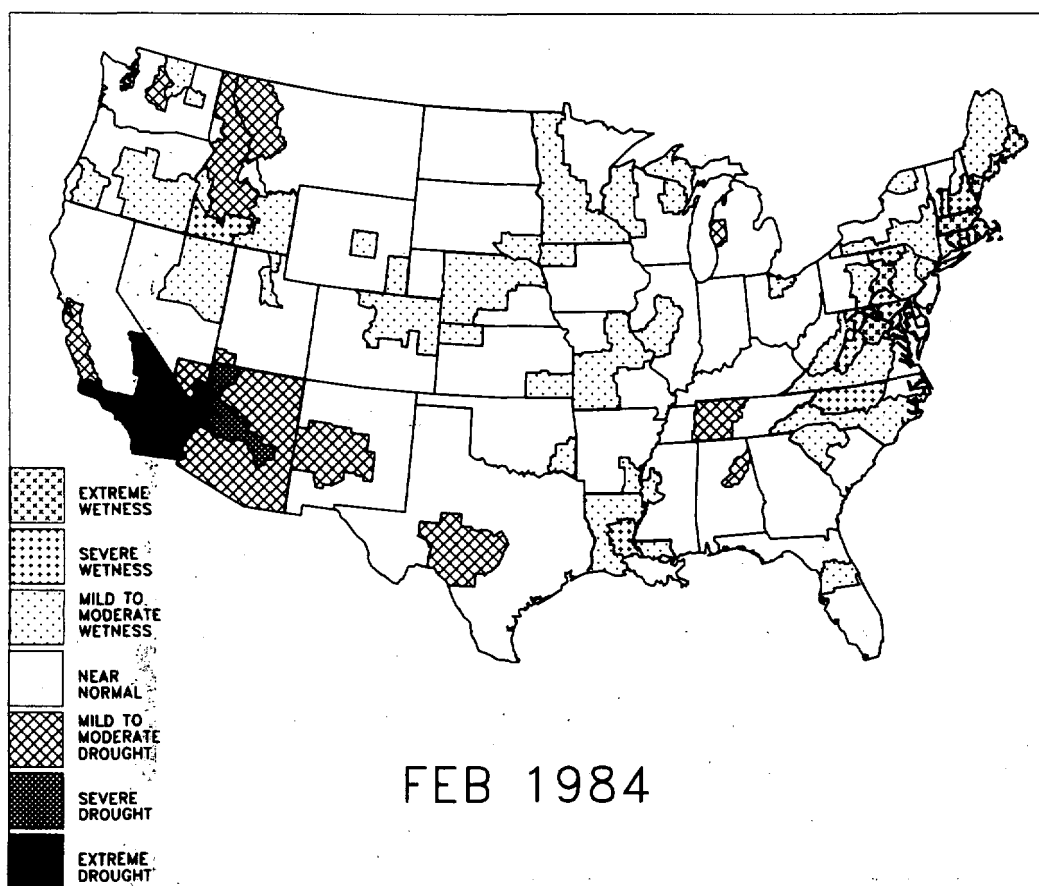
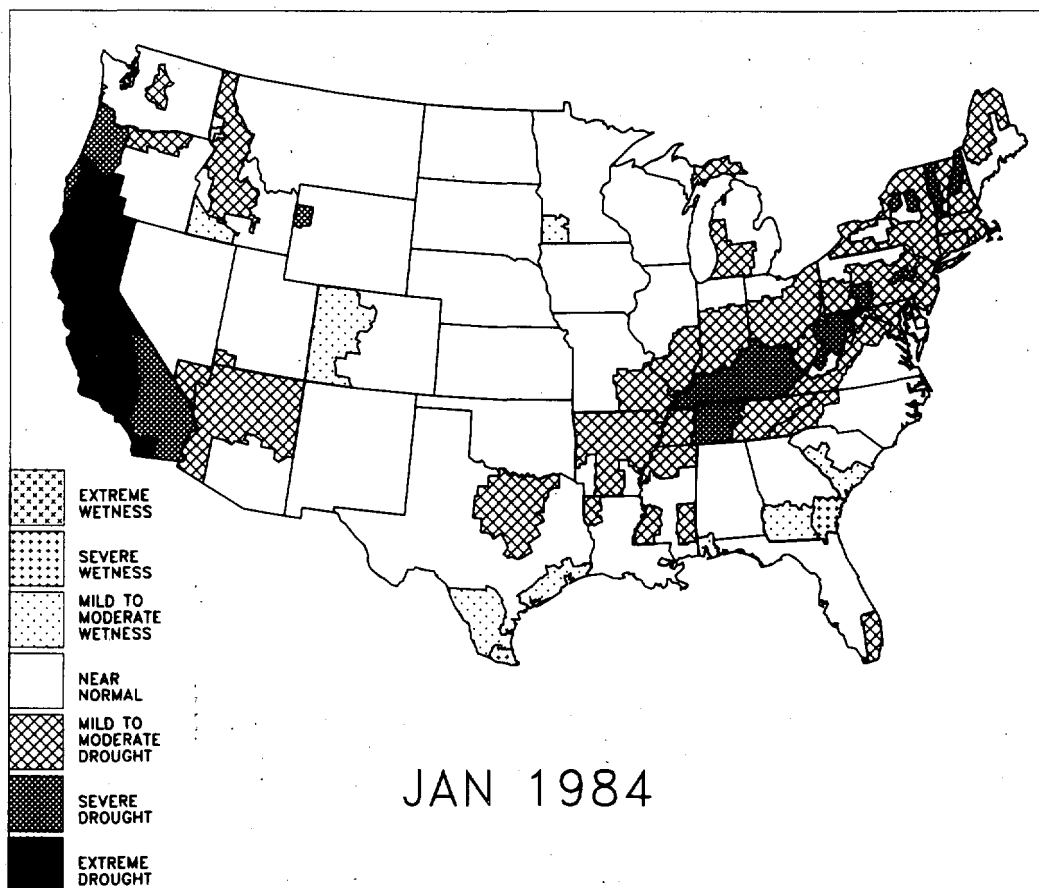
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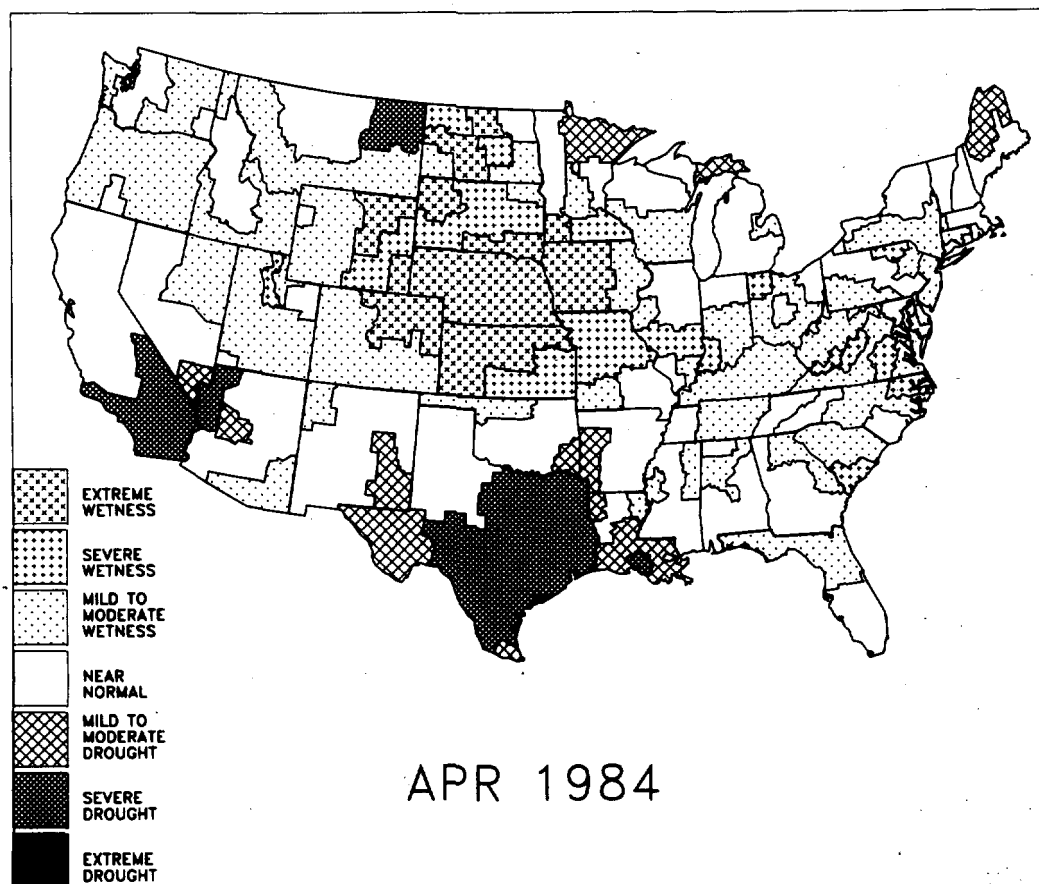
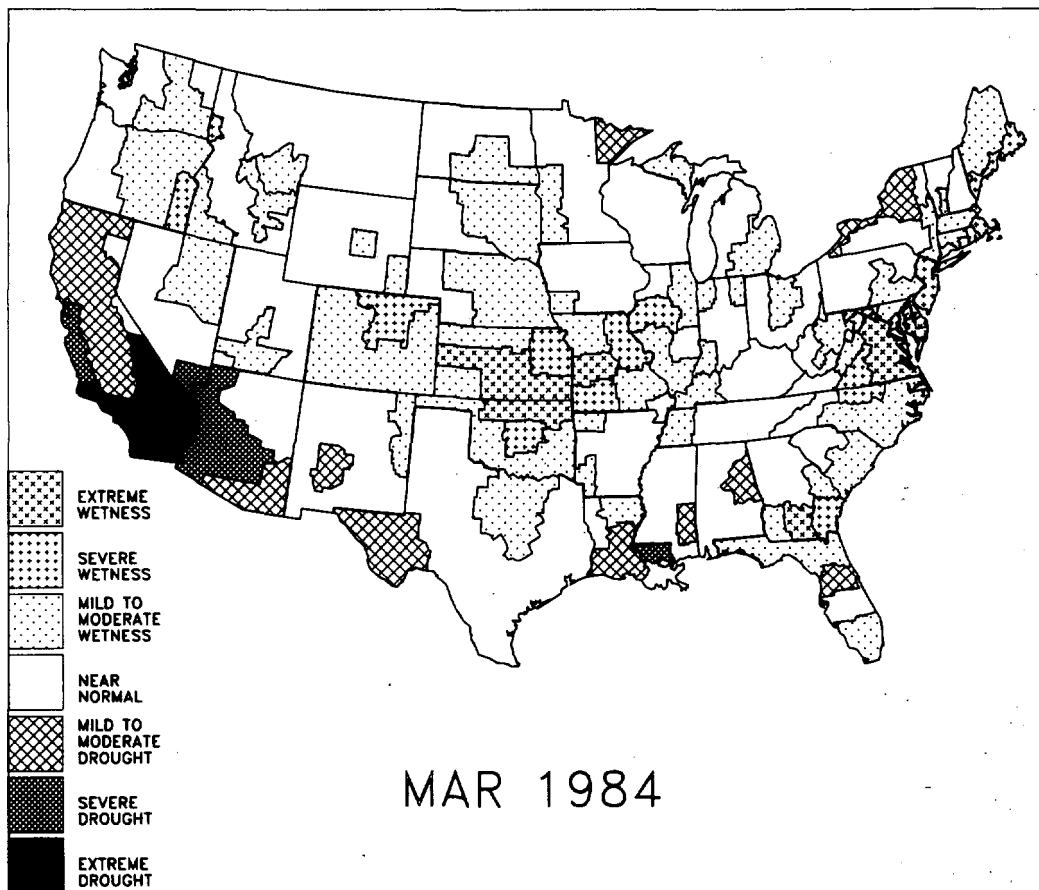
Historical maps of the "Z" index for the years 1895-1983 have been published by NCDC as the Historical Climatology Series 3-8 and 3-9. Similar maps depicting the Palmer Hydrological Drought Indices (PHDI) and Palmer Drought Severity Indices (PDSI) for 1895-1983 have also been published as Series 3-6, 3-7 and 3-10, 3-11, respectively. The PHDI is more appropriately related to long-term water storage such as ground water supply and lake and reservoir levels whereas the PDSI is more useful as a meteorological drought index classifying spells of weather.

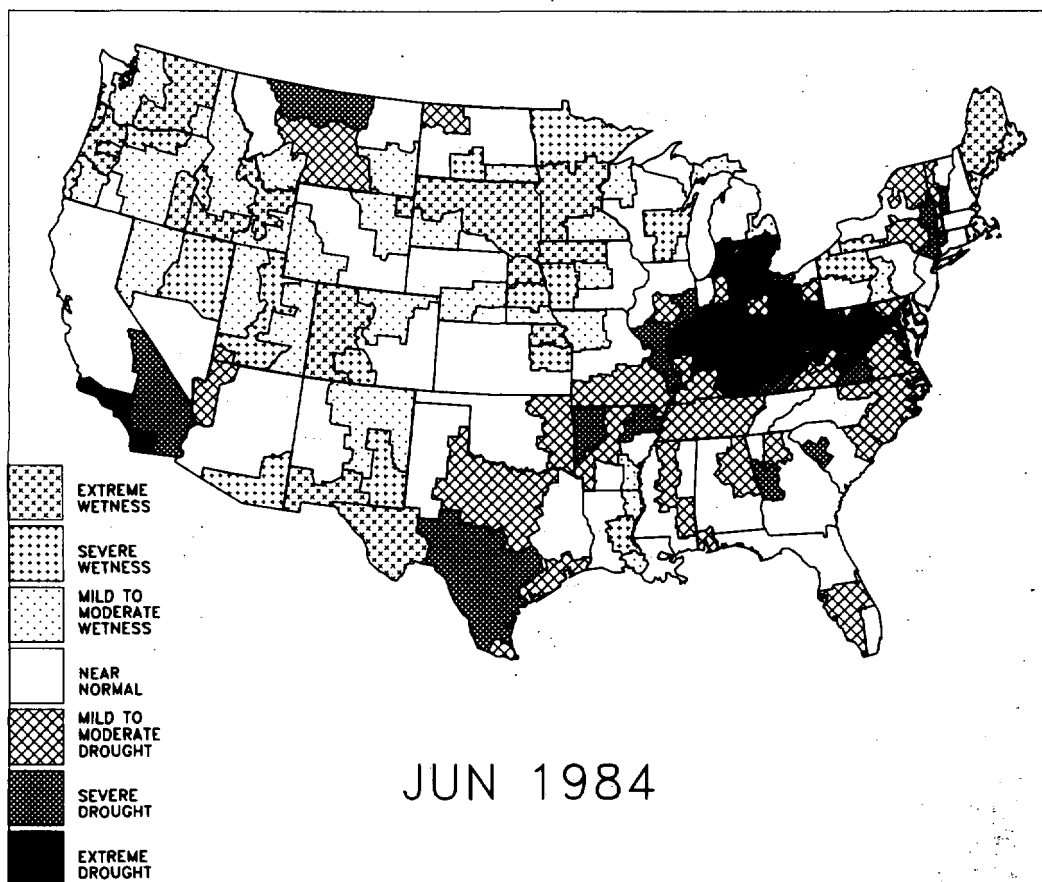
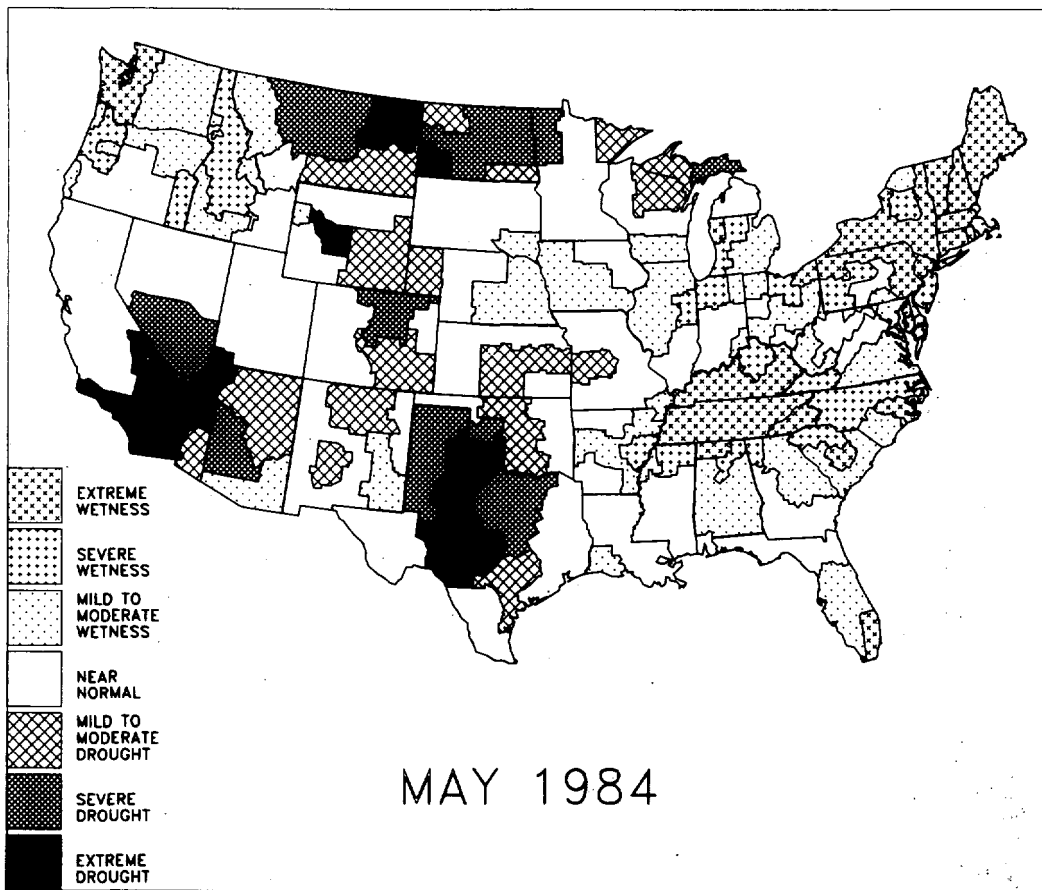
The maps contained in this series are the result of computer programs written by Richard W. Knight. The contents of the maps and the text were prepared by Thomas R. Karl. The data used in constructing this series are available in digital form.

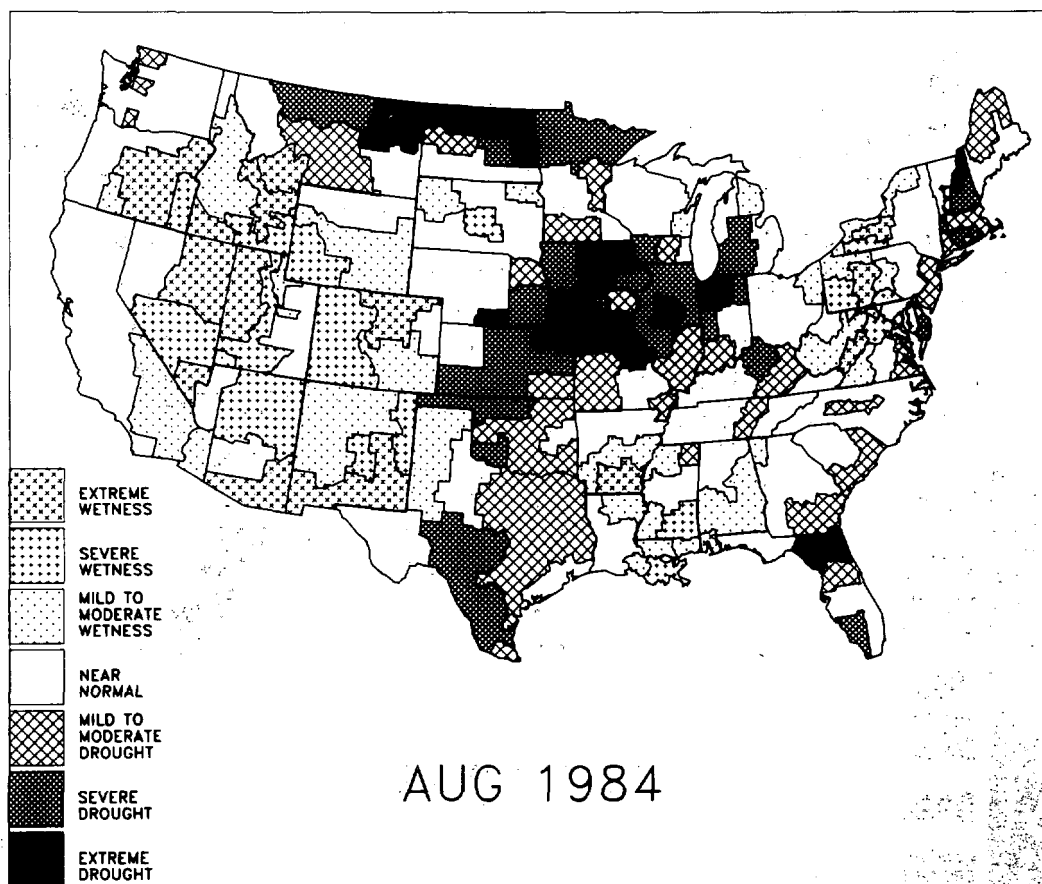
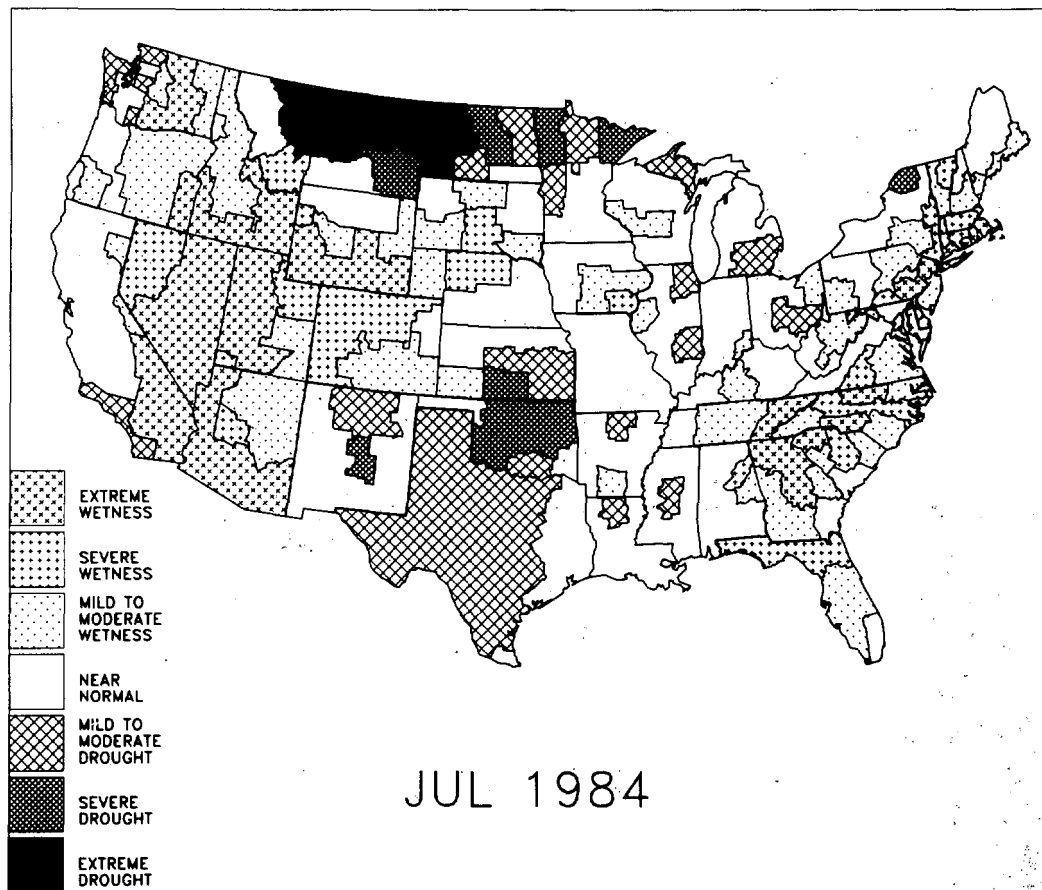
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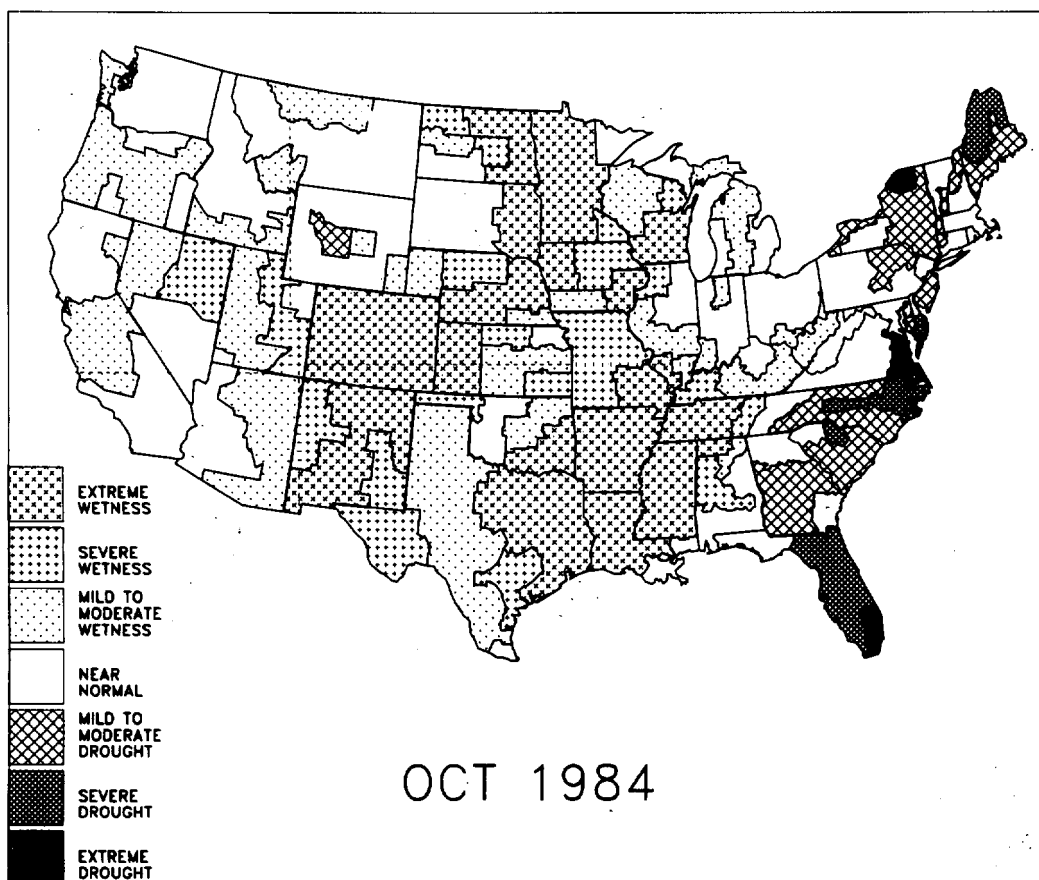
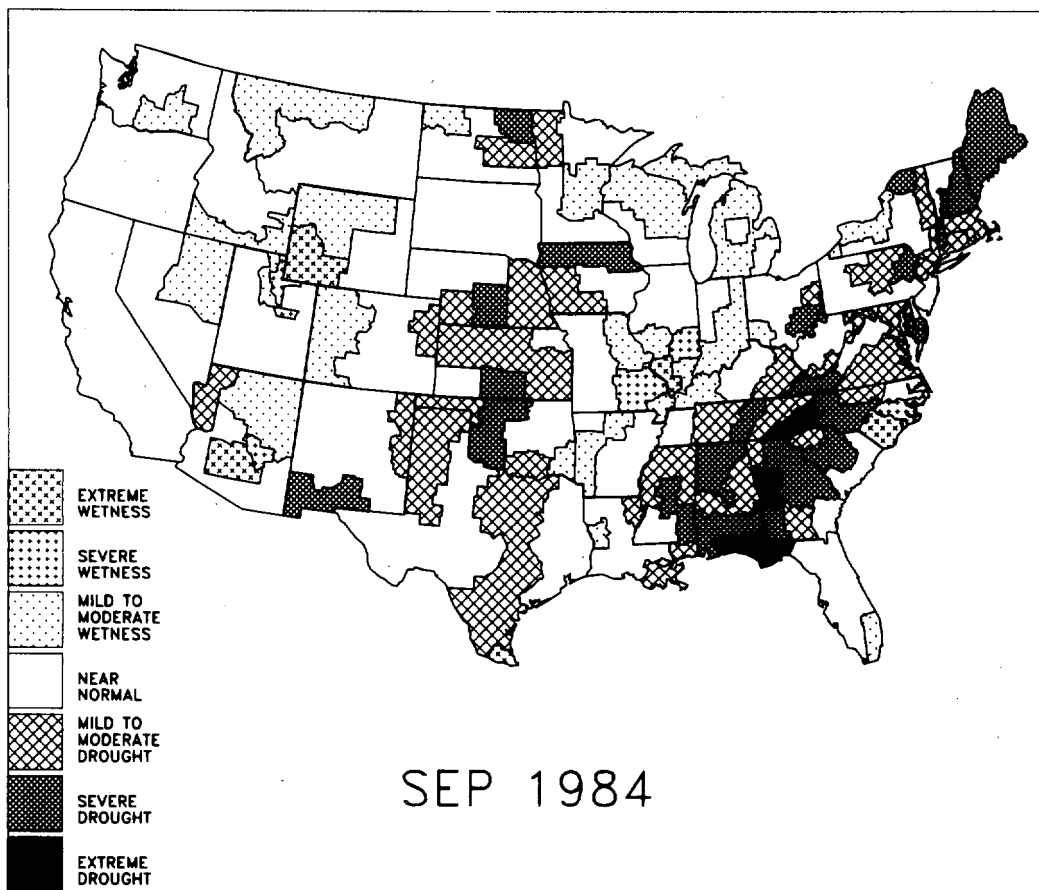
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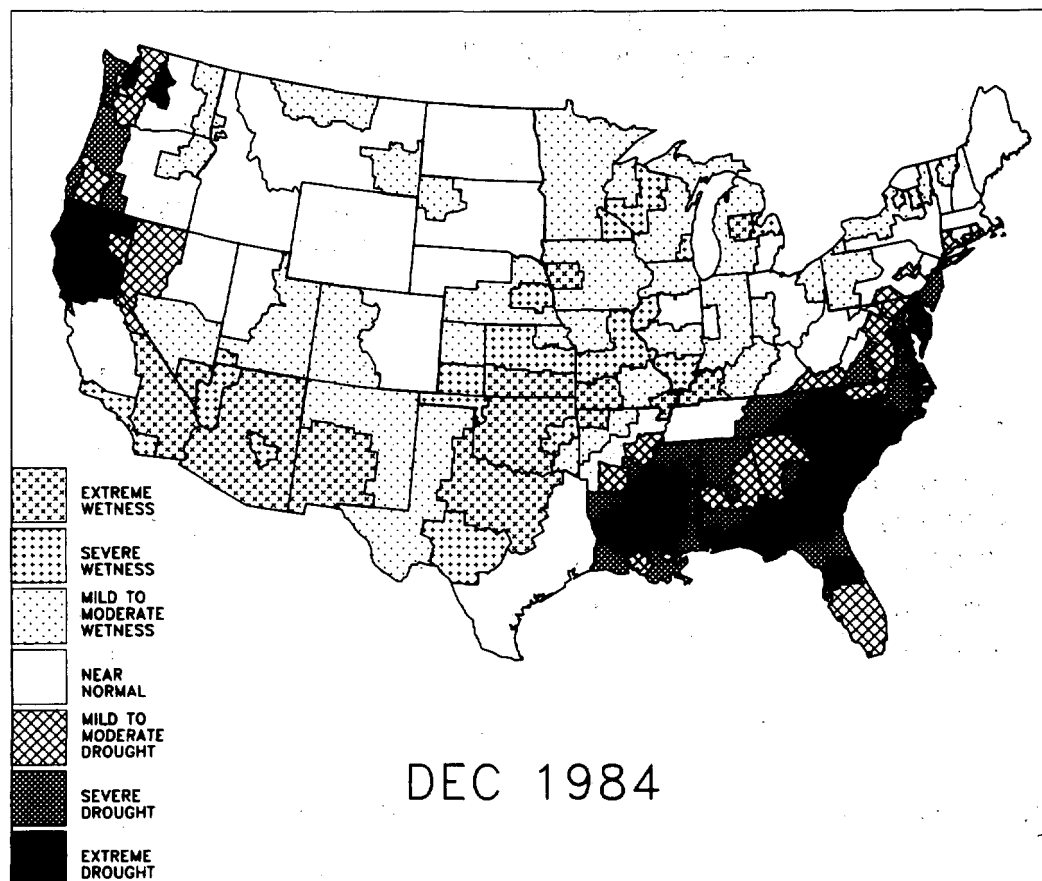
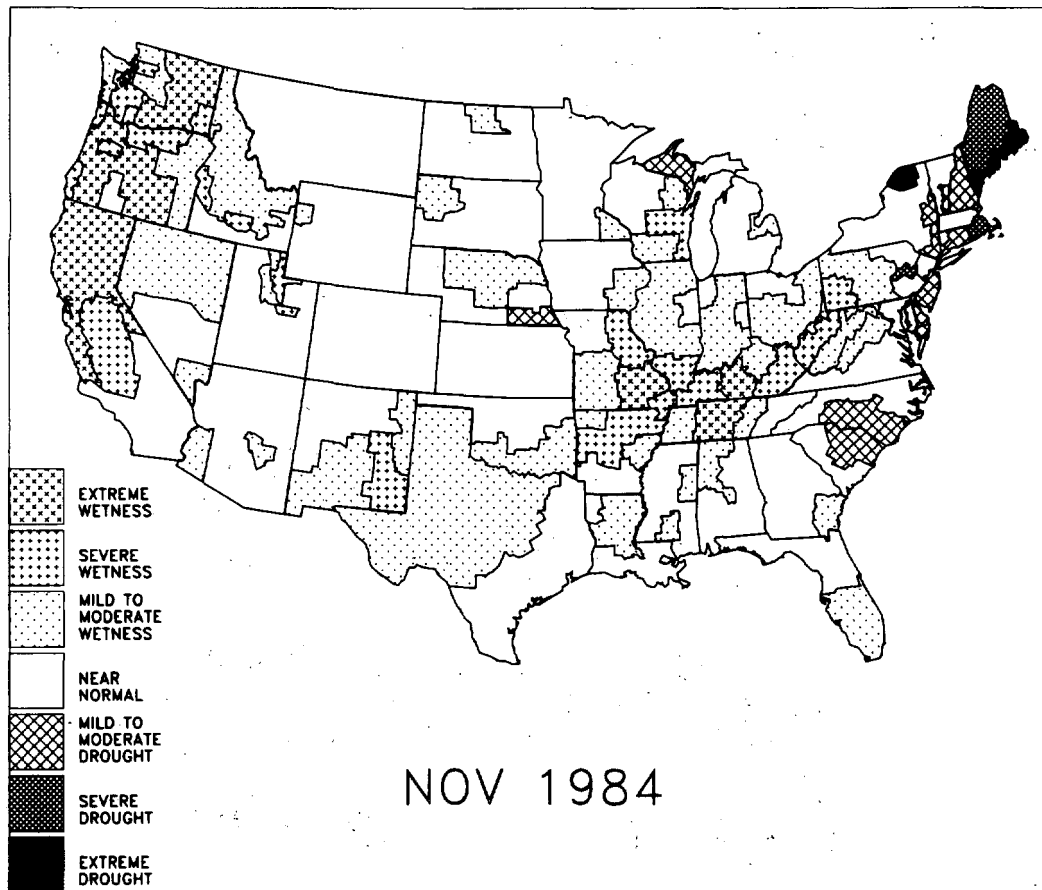












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