



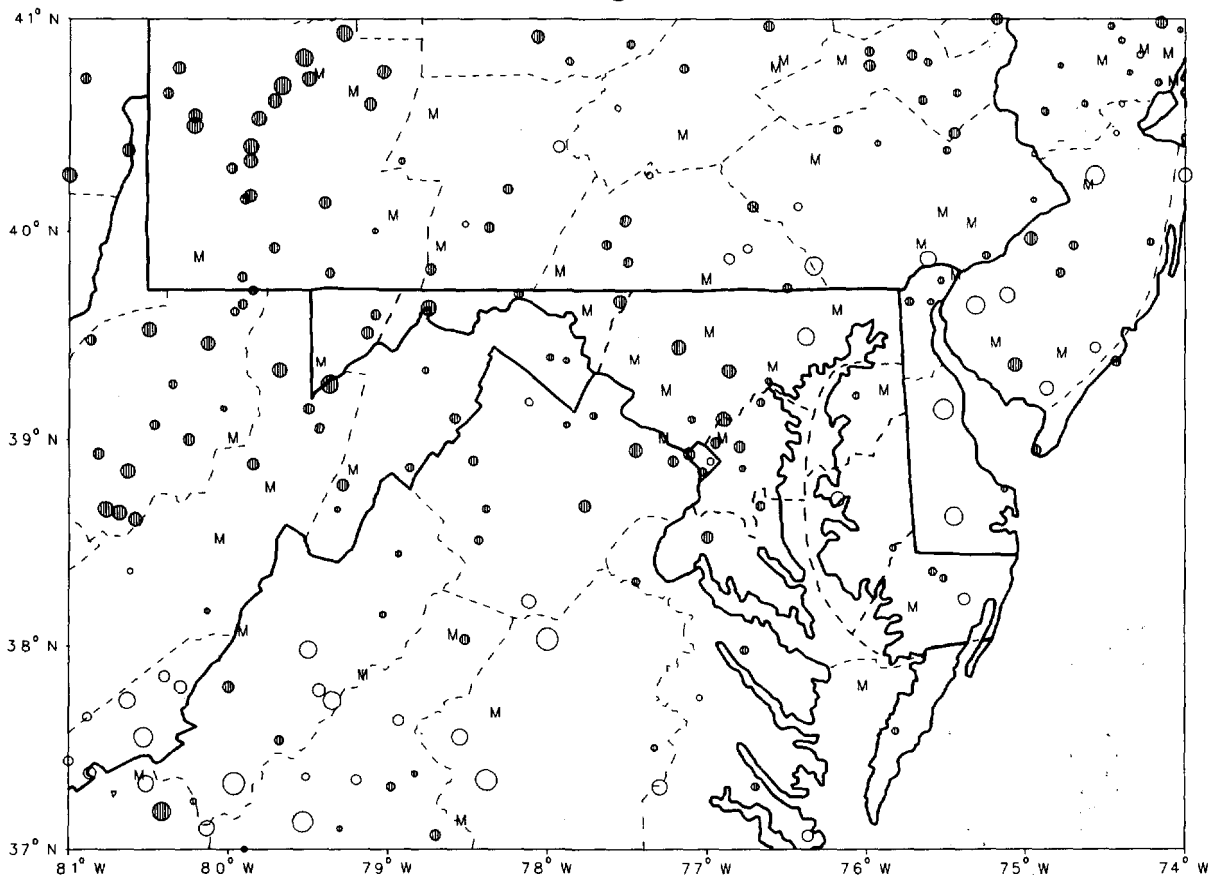
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# CLIMATOLOGICAL DATA MARYLAND AND DELAWARE

JULY 1992  
VOLUME 96 NUMBER 7

## MONTHLY PRECIPITATION DEPARTURE FROM INDIVIDUAL STATION NORMALS (1951-1980)

- M INCOMPLETE DATA FOR THE MONTH
- ∇ EXACTLY NORMAL
- ○ ○ ○ ○ 5, 10, 20, ... 50% OR MORE BELOW NORMAL
- ● ● ● ● 10, 20, 40, ... 100% OR MORE ABOVE NORMAL



CIRCLE DIAMETER IS PROPORTIONAL TO DEPARTURE ON A CONTINUOUS SCALE

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*Kenneth D. Halpern*

DIRECTOR, NATIONAL CLIMATIC DATA CENTER

**noaa**

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ASHEVILLE NORTH CAROLINA

# TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND AND  
DELAWARE  
JULY 1992

MARYLAND  
 HIGHEST TEMPERATURE 102  
 LOWEST TEMPERATURE 48  
 GREATEST TOTAL PRECIPITATION 8.49  
 LEAST TOTAL PRECIPITATION 2.80  
 GREATEST 1 DAY PRECIPITATION 3.31

DELAWARE  
 HIGHEST TEMPERATURE 98  
 LOWEST TEMPERATURE 56  
 GREATEST TOTAL PRECIPITATION 6.06  
 LEAST TOTAL PRECIPITATION 2.34  
 GREATEST 1 DAY PRECIPITATION 2.01

JULY 14  
 JULY 7

JULY 25

JULY 14  
 JULY 8+

JULY 23

BALTIMORE CITY R  
 SAVAGE RIVER DAM  
 LAUREL 3 W  
 BENSON POLICE BARRACKS  
 COLLEGE PARK

LEWES  
 2 STATIONS  
 NEWARK UNIVERSITY FARM  
 DOVER  
 WILMINGTON WSO ARPT R

# MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND  
DELAWARE  
JULY 1992

STATION	TEMPERATURE (°F)											PRECIPITATION (IN)												
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	SNOW SLEET					
											90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW					TOTAL	MAX. DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
MARYLAND																								
SOUTHERN EASTERN SHORE 01																								
ASSATEAGUE IS NATL SEA	83.3	66.1	74.7		93	15+	60	1	0	308	6	0	0	0	3.71		.65	3		.0	.0	10	3	0
PRINCESS ANNE	M	M	M																					
SALISBURY	86.6	68.4	77.5	.5	94	15+	58	3	0	393	11	0	0	0	4.97	1.21	1.25	2		.0	.0	9	4	2
SALISBURY FAA ARPT	86.2	67.5	76.9	.4	96	14	57	3	0	377	9	0	0	0	5.48	1.08	.97	1		.0	.0	11	3	0
SNOW HILL 4 N	86.5	68.5	77.5	1.6	94	14+	57	8	0	397	10	0	0	0	3.16	.83	.74	2		.0	.0	7	2	0
--DIVISIONAL DATA----->																								
CENTRAL EASTERN SHORE 02																								
ROYAL OAK 2 SSW	86.9	68.8	77.9	.2	96	14	59	8	0	408	12	0	0	0	3.21	-1.18				.0	.0	7	2	0
VIENNA	89.0	70.6	79.8	2.4	100	14	62	8	0	465	14	0	0	0	4.61	.67	1.77	4		.0	.0	10	3	1
--DIVISIONAL DATA----->																								
LOWER SOUTHERN 03																								
LA PLATA 1 W	83.8	68.0	75.9	.0	92	14+	59	8+	0	344	5	0	0	0	7.09	3.06	2.02	12		.0	.0	9	5	2
MECHANICSVILLE 5 NE	84.3	67.7	76.0		94	14	57	8	0	350	7	0	0	0	6.95		2.19	12		.0	.0	11	5	2
OWINGS FERRY LANDING	85.7	66.5	76.1	-.2	95	14	56	8	0	352	8	0	0	0	5.28	1.62	1.62	21		.0	.0	9	4	1
--DIVISIONAL DATA----->																								
UPPER SOUTHERN 04																								
ANNAPOLIS POLICE BRKS	88.6	67.5	78.1		99	14	54	8	0	412	14	0	0	0	5.64		2.00	25		.0	.0	8	3	3
BALTIMORE WSO ARPT	R 86.9	67.9	77.4		98	14	59	8	0	392	13	0	0	0	5.07	1.18	1.95	1		.0	.0	7	3	3
BELTSVILLE	86.5	66.2	76.4	1.2	97	15	52	5	0	361	13	0	0	0	4.88		1.72	2		.0	.0	6	3	3
COLLEGE PARK	88.2	69.1	78.7	1.5	100	15	59	5	0	431	15	0	0	0	6.19	2.13	3.31	25		.0	.0	8	3	3
DALECARLIA RESERVOIR	88.8	58.9	73.9	-3.3	98	14	50	29+	0	281	16	0	0	0	6.87	2.83	1.90	25		.0	.0	10	4	4
GLENN DALE BELL STN	87.2	65.0	76.1	.5	96	14	54	8+	0	350	13	0	0	0	7.13	2.82	2.95	25		.0	.0	8	3	3
LAUREL 3 W	86.9	65.5	76.2	-1.0	97	14	52	29	0	355	15	0	0	0	8.49	4.61	2.55	1		.0	.0	9	5	4
NATIONAL ARBORETUM DC	87.5	68.2	77.9	.2	98	15	59	8	0	404	14	0	0	0	3.97	-.23	1.77	25		.0	.0	6	2	1
UPPER MARLBORO 3' NNW	85.3	66.7	76.0		95	14	57	8	0	353	8	0	0	0	4.63	.57	1.55	25		.0	.0	7	3	2
--DIVISIONAL DATA----->																								
NORTHERN EASTERN SHORE 05																								
CHESTERTOWN	86.8	66.9	76.9	.0	97	14	58	8	0	375	13	0	0	0	4.46	.52	1.57	10		.0	.0	8	3	1
MILLINGTON 1 SE	86.3	65.6	76.0	.4	95	14	55	8	0	350	10	0	0	0	3.05		.66	23		.0	.0	6	1	0
--DIVISIONAL DATA----->																								
NORTHERN CENTRAL 06																								
ABERDEEN PHILLIPS FIEL	R 86.0	M 68.3	M 77.2		96	15+	57	8	0	384	6	0	0	0	3.64		.82	23		.0	.0	5	3	0
BALTIMORE CITY	90.0	73.7	81.9	2.0	102	14	65	25	0	530	17	0	0	0	4.68		1.30	25		.0	.0	9	4	0
BENSON POLICE BARRACKS	88.2	67.6	77.9	3.0	98	14	58	8	0	406	15	0	0	0	2.80	-1.55	.46	24		.0	.0	9	0	0
CATOCTIN MOUNTAIN PARK	78.6	64.1	71.4		88	14	55	28	4	209	0	0	0	0	6.68		2.26	25		.0	.0	1	2	1
CLARKSVILLE 3 NNE	86.4	64.4	75.4		97	14+	54	8+	0	332	11	0	0	0	5.41		1.37	25		.0	.0	9	5	1
CONOWINGO DAM	M	M	M																	.0	.0			
EMMITSBURG 2 SE	83.0	65.1	74.1		91	15+	54	5	0	287	4	0	0	0	7.78		2.00	1		.0	.0	9	5	3
FREDERICK POLICE BRKS	88.0	67.9	78.0		99	15+	60	7	0	410	14	0	0	0	4.61		1.96	25		.0	.0	6	3	2
MILLERS 4 NE	82.0	64.8	73.4		92	14	56	29+	0	266	3	0	0	0	3.95		.95	17		.0	.0	8	3	0
ROCKVILLE 1 NE	84.5	68.1	76.3	.6	95	14	58	5	0	358	6	0	0	0	4.83	1.05	1.46	31		.0	.0	7	3	1
TOWSON	M	M	M																	.0	.0			
UNIONVILLE	84.7	64.3	74.5	.9	95	14	50	8	0	301	5	0	0	0	7.48	3.89	2.86	25		.0	.0	11	6	1
WESTMINSTER POL BRKS	86.4	66.3	76.4	2.2	96	15	57	28	1	358	7	0	0	0	5.23		1.00	16		.0	.0	10	4	1

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND  
DELAWARE  
JULY 1992

STATION	TEMPERATURE (°F)													PRECIPITATION (IN)								
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST DATE	LOWEST DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY DATE	SNOW SLEET						
									90 OR ABOVE MAX	32 OR BELOW MIN	32 OR BELOW MIN	0 OR BELOW MIN				TOTAL	MAX DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE	
WOODSTOCK	86.2	65.6	75.9	1.0	97 14	55 5	0	347	9	0	0	0	7.30	3.74	1.91	31	.0	0		9	4	3
--DIVISIONAL DATA-->			76.0	.9									5.46	1.56			.0					
APPALACHIAN MOUNTAIN 07																						
CUMBERLAND 2	84.9	63.3	74.1	-.3	92 14+	53 6	0	288	5	0	0	0	6.92	3.73	2.32	25	.0	0		12	5	2
FROSTBURG 2	77.2	60.6	68.9		84 15+	44 7	14	141	0	0	0	0	9.77		.82	25	.0	0		8	2	0
HAGERSTOWN	84.5 <sup>M</sup>	64.6 <sup>M</sup>	74.6 <sup>M</sup>	1.7	95 15	56 5	0	305	6	0	0	0	5.03	1.47	2.16	25	.0	0		7	2	2
HANCOCK	84.5	64.6	74.6	1.7	94 15	53 5	0	305	6	0	0	0	5.03	1.47	2.16	25	.0	0		7	2	2
--DIVISIONAL DATA-->			72.5	-.9									5.24	1.82			.0					
ALLEGHENY PLATEAU 08																						
MC HENRY 2 NW	77.2	59.4	68.3		82 16+	49 7	11	120	0	0	0	0	8.39		2.20	11	.0	0		12	5	3
SAVAGE RIVER DAM	79.9	60.3	70.1	.6	88 15	48 7	7	173	0	0	0	0	6.49	2.87	1.26	27	.0	0		12	7	1
--DIVISIONAL DATA-->			69.2	1.5									7.44	3.17			.0					
DELAWARE																						
NORTHERN 01																						
NEWARK UNIVERSITY FARM	86.4	65.4	75.9	.2	96 15+	57 29+	0	345	10	0	0	0	6.06	1.74	1.77	23	.0	0		10	4	2
WILMINGTON WSO ARPT	85.0	67.5	76.3	.3	97 14	59 5	0	358	8	0	0	0	4.34	.44	2.01	23	.0	0		7	2	1
WILMINGTON PORTER RSVR	83.1	67.8	75.5	.6	95 14	59 3	0	331	5	0	0	0	4.59	.46	1.94	31	.0	0		8	2	1
--DIVISIONAL DATA-->			75.9	.2									5.00	1.00			.0					
SOUTHERN 02																						
DOVER	85.0	68.7	76.9	-.1	94 15+	58 8	0	373	8	0	0	0	2.34	-1.93	.68	11	.0	0		6	2	0
GEORGETOWN 5 SW	86.5	65.5	76.0	-.1	97 16	56 3	0	346	10	0	0	0	2.44	-1.58	.64	25	.0	0		6	2	0
GREENWOOD 2 NE	85.7	66.4	76.1		96 14	56 8+	0	350	11	0	0	0	2.64		.85	31	.0	0		9	2	0
LEWES	85.8	69.3	77.6	2.4	98 14	60 3	0	396	11	0	0	0	4.78	.62	1.65	21	.0	0		8	3	2
--DIVISIONAL DATA-->			76.7	.5									3.05	-1.18			.0					

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# DAILY PRECIPITATION (INCHES)

MARYLAND AND  
DELAWARE  
JULY 1992

STATION	TOTAL	DAY OF MONTH																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MARYLAND																																	
SOUTHERN EASTERN SHORE 01																																	
ASSATEAGUE IS NATL SEA	3.71			.65	.39		.10	.12				.24	.53			.03	*	.13	.08				.14	.60	.01	.37		.17			*	.15	
PRINCESS ANNE	M 4.97		1.25		1.16		.15					.15	.09			.02		.01	.01				.52	.35	.65	.46			.15				
SALISBURY	5.48	.97		.78	.26		.16			T		.37			.01			.04	T			.96	.45	.48	.35	T		.19			.46		
SALISBURY FAA ARPT	3.16		.74		.67		.10			T		.05	.01			.06	.07	T	.05				.28	.38	.05	.37	T		.33			.00	
SNOW HILL 4 N																																	
CENTRAL EASTERN SHORE 02																																	
ROYAL OAK 2 SSW	3.21	.60	.06		.33		T			T		.04		*	*	.71							.13	.02	.25	.30	.55	T	.15			.07	
VIENNA	4.61		.13		1.77		.11			T		.10		*	*	.30								.96	.25	.52	.25		.22				
LOWER SOUTHERN 03																																	
LA PLATA 1 W	7.09	.09	.30		.38		.02	.01		.02		2.02				T	.15	T					.71	.10	.02	1.93	.22	.55	.01			.71	
MECHANICSVILLE 5 NE	6.95	.12	.28	T	.38		.04			T		2.19				T	.15	T					.76	.16	.02	1.23	.28	T	.68	.02		.64	
ONINGS FERRY LANDING	5.28	.21	.12		.58		T			.01		T				.39	T	T					1.62	.01		.93	.83		.27	.04		.27	
UPPER SOUTHERN 04																																	
ANNAPOLIS POLICE BRKS	5.64	1.00		.31	.05											.03							1.35	.12	.12	.34	2.00		.32				
BALTIMORE WSO ARPT	5.07	1.95		.19	.08	.05				.01	T	T	T		.08	T			T			.14	T	.03	.90	1.16	.01	.12				.35	
BELTSVILLE	M 4.88	.01	1.72		.12		.24	.01		T	T				.09									1.23	.03	1.07			.05			.09	
COLLEGE PARK	6.19		.53	T	*	*	.01			.01					.04								1.49	.02	.47	3.31	T	.27			.04		
DALCARLIA RESERVOIR	6.87	.83	.36		.11		.16			.02					.10		.07						1.10	.01	1.51	1.90	.40	.28			.02		
GLENN DALE BELL STN	7.13	.06	1.57	.02	.06	.02			T		.01		.46	.11										.47	.13	.46	2.95	.02	1.05	.13		.01	
LAUREL 3 W	8.49	2.55	.27		.17		.17			T													.15		.88	1.22	2.01	.02	.12			1.10	
NATIONAL ARBORETUM DC	3.97	.10	.98		.08	.01				T	T		.02	T	.02									.18	.03	.31	1.77	.06	.04	.22		.07	
UPPER MARLBORO 3 NW	4.63	.38	.29		.38							.04			.02	.01								.56	.02	1.16	1.55		.22				
NORTHERN EASTERN SHORE 05																																	
CHESTERTOWN	4.46	.16		.20	T		T			T		1.57			T	.28			T				.08		.13	.81	.31	.02	.06			.84	
MILLINGTON 1 SE	M 3.05	.44	.08	.07	.19		.02					.46				.40			T					.01	.66	.38	*	.30		.04			
NORTHERN CENTRAL 06																																	
ABERDEEN PHILLIPS FIEL	3.64	.63	.01	*	*	*	.45	T		T					.39	T								T	.82	.31	*	*	.26	T		.77	
BALTIMORE CITY	4.68	.66		.20	.02	.07	.04								.10										.05	1.12	1.30	.01	.09			.84	
BENSON POLICE BARRACKS	2.80	.12		.32	.12		.07			.03					.22	.02							.18	.09	.39	.46	.41	.09	.14	.02		.30	
CATOCTIN MOUNTAIN PARK	6.68	.21	.12	.66	.03		.08				.01	.16	.04		.25	.01	.73	.33						.32	.61	.52	2.26	.03	.28			.03	
CLARKSVILLE 3 NNE	5.41	.58	.87	.31			.07			T			T		T	.49		T						.04	.19	.54	1.37	.02	.16			.77	
CONOWINGO DAM	M 7.78	2.00	.10	.90			.05								T		1.50							.40	.40	.60	1.70	T	.03			.10	
EMMITSBURG 2 SE	M 4.61	.26		.56			.05				.07	.05			.04									.19	1.05	1.96	.02	.31					
FREDERICK POLICE BRKS	3.95	T	T	.47	.01		.05			.01		T	.02		.01		.95	.20						.49	.52	.19	.74	.06	.08			.15	
MILLERS 4 NE																																	
POTOMAC FILTER PLANT	M 5.39			.27		.36								.03									.79	.13	.51	.42	.97	.08	.33			1.50	
ROCKVILLE 1 NE	4.83	.33		.23		.06	.08			T	T		T	T	.07				T				.06	.04	.31	.97	.95	.04	.23			1.46	
TOHSON	M																																
UNIONVILLE	7.48	.78	.02	.59		.04		.02		T		.12			.58									.65	.86	.44	2.86	.11	.17			.30	
WESTMINSTER POL BRKS	M 5.23	.41	.05	.45		.04					.03	.14				1.00								.88	.43	.63	.80	.15	.22				
WOODSTOCK																																	
APPALACHIAN MOUNTAIN 07	7.30	1.29	.08	.47		.09				.02		.35	T		.44		.04	T					T	.33	.76	1.34	.03	.15				1.91	
CUMBERLAND 2	6.92		.50		.72		.20			.15		.22		.05	.02	.03		.07							.20	.36	2.32		1.22	.20		.62	
EDGE MONT	6.21	.56		T	.77		.02	.07			.02	.12	.01	.03		.20	.07							.24	.02	.67	2.78		.30	.11			
FROSTBURG 2	3.76		.05		.77		.19	.03		.07	.02	.35	T	.06	T	.03	.13							T	.03	.41	.82	.01	.50	.18		.02	
HAGERSTOWN	M 2.89							.07			.04		.08		T									.07	.03	*	*	*	2.53	.06		.00	
HANCOCK																																	
	5.03	.35	.06		1.29		.02				.04		.05		.05											.20	.27	2.16		.41	.11		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# DAILY PRECIPITATION (INCHES)

MARYLAND AND  
DELAWARE  
JULY 1992

STATION	TOTAL	DAY OF MONTH																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
ALLEGHENY PLATEAU 08																																
MC HENRY 2 NW	8.39		.30		.23		1.33			.19	.05	2.20	.03	.25	T	.35	.20		.03			.07	.04	.02	.53	.36		1.64	.57		T	.00
MERRILL	5.58		.49		.48		.29			.70	.10	.65		.10		.15						.07	.04	.18	.84	.50		1.60	.50			
SAVAGE RIVER DAM	6.49		.95	T	.66		.59	.04		.19	.03	.83	T	.08	T	T	.10		.11			.02	T	.12	.63	.54	T	1.26	.34			
DELAWARE NORTHERN 01																																
NEWARK UNIVERSITY FARM	6.06	.49		.13	.24		.02			T	T						.26	.34	T					1.77	.29	.50		.50				1.52
WILMINGTON WSO ARPT R	4.34	.41		.34	.03		T		T	T						.34		T	.01				2.01	.18	.30	.06	T				.66	
WILMINGTON PORTER RSVR	4.59	.22		.45	.06		T					.03		.02	.30		.25							.86	T	.30	.05	.11				1.94
SOUTHERN 02																																
DOVER	2.34	.10	.03		.55		T				.68					.13	.03						.02	.37	.02	.34	T				.07	
GEORGETOWN 5 SW	2.44		.07		.45			.05								.18							.62	.05	.18	.64	.03	.02	.15			
GREENWOOD 2 NE	2.64	.11			.18				T							.04						.56	.11	.23	.20	.10	.01	.07				.85
LEMES	4.78		.78	.14	.31		.14					.10	.08						.08	.02	.01	1.65	1.08	.08	.18	.09						

SEE REFERENCE NOTES FOLLOWING STATION INDEX

TOTAL SNOWFALL AND NUMBER OF DAYS  
WITH ONE INCH OR MORE ON GROUND

MARYLAND AND  
DELAWARE  
JULY 1992

STATION	JUL		AUG		SEP		OCT		NOV		DEC		JAN		FEB		MAR		APR		MAY		JUN		TOTAL		TOTAL PRECIPITATION			
	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD				
MARYLAND																														
SOUTHERN EASTERN SHORE														.5	0	.5	0	.1	0	T	0					1.1		44.56		
SNOW HILL 4 N																														
CENTRAL EASTERN SHORE																														
ROYAL OAK 2 SSW									T	0				1.3	0	2.0	1	T	0	T	0					3.3	1	35.65		
LOWER SOUTHERN																														
LA PLATA 1 W									T	0	T	0		2.6	2	4.1	1	T	0	T	0					6.7	3	35.32		
MECHANICSVILLE 5 NE									T	0	T	0		3.0	1	2.0	1	T	0	T	0					5.0	2	36.90		
OWINGS FERRY LANDING														2.4	1	3.2	1										5.6	2	38.11	
UPPER SOUTHERN																														
ANNAPOLIS POLICE BRKS											M			2.0	1	1.0	1							M			4.1	2	31.24	
BALTIMORE WSO ARPT	R	T	O						T	0	T	0		2.2	1	1.9	2	T	0	T	0					6.0	3	31.23		
BELTSVILLE														1.0	1	2.0	2										3.0	4	37.65	
COLLEGE PARK														1.0	1	2.0	2										3.0	4	40.37	
GLENN DALE BELL STN									T	0				3.0	1	1.7	1	T	0	T	0					4.7	1	35.08		
LAUREL 3 W														3.0	1	.1	1	M		.0							3.1	M	40.54	
NATIONAL ARBORETUM DC														4.0	1	.0	3										4.0	3	36.51	
UPPER MARLBORO 3 NNW														4.0	2	2.0	2										6.0	4	30.25	
NORTHERN EASTERN SHORE																														
CHESTERTOWN														1.0	1	1.5	1	T	0	T	0						2.5	2	33.26	
MILLINGTON 1 SE											M			.0	1	.2	0										.2	M	35.41	
NORTHERN CENTRAL																														
ABERDEEN PHILLIPS FIEL									M	.0				1.0	1	1.0	1			T	0						1.0	M	34.47	
BENSON POLICE BARRACKS														1.0	1	.0	1	M		.5							2.3	2	44.01	
CATOCTIN MOUNTAIN PARK											M			.0	1	.0	1			5.8							5.8	1	30.31	
CLARKSVILLE 3 NNE									T	0	T	0		3.1	1	4.2	1			.7	0					8.0	2	36.87		
EMMITSBURG 2 SE														4.0	3	4.5	1			4.5	2						13.0	5	39.71	
FREDERICK POLICE BRKS														2.2	1	4.0	2			6.0	0						6.2	3	34.74	
MILLERS 4 NE									.1	0	T	0		2.0	2	2.3	1			4.0	4					10.4	7	37.01		
POTOMAC FILTER PLANT														4.0	1	.0	1	M		.0							8.0	M	33.88	
ROCKVILLE 1 NE									T	0	T	0		3.0	0	4.9	1			.3	0						5.2	M	35.86	
UNIONVILLE														3.0	2	3.5	2			1.6	1						8.1	5	36.20	
WESTMINSTER POL BRKS														3.0	2	3.5	1			4.0	2						10.5	5	37.69	
WOODSTOCK									T	0	.5	0		2.5	2	4.5	1			1.0	1						8.5	4	36.24	
APPALACHIAN MOUNTAIN																														
CUMBERLAND 2														M	3.0		3.0	3			13.0	11					19.0	14	26.73	
EDGEMONT																6.1	1											6.1	M	35.70
FROSTBURG 2									.6	0	12.6	7		30.5	18	11.8	17			24.1	17						84.1	61	31.67	
HAGERSTOWN														3.0	3	4.0	1			5.8							12.8	3	39.26	
HANCOCK									M	.0				1.0	1	2.0	1			5.3	1						8.3	M	28.19	

SEE REFERENCE NOTES FOLLOWING STATION INDEX  
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TOTAL SNOWFALL AND NUMBER OF DAYS  
WITH ONE INCH OR MORE ON GROUND

MARYLAND AND  
DELAWARE  
JULY 1992

STATION	JUL		AUG		SEP		OCT		NOV		DEC		JAN		FEB		MAR		APR		MAY		JUN		TOTAL		TOTAL PRECIPITATION	
	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD		
ALLEGHENY PLATEAU 08																												
MC HENRY 2 NW																												
MERRILL																												
SAVAGE RIVER DAM																												
DELAWARE																												
NORTHERN 01																												
NEWARK UNIVERSITY FARM																												
WILMINGTON WSO ARPT																												
WILMINGTON PORTER RSVR																												
SOUTHERN 02																												
DOVER																												
GEORGETOWN 5 SW																												
GREENWOOD 2 NE																												

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# DAILY TEMPERATURES (°F)

MARYLAND AND  
DELAWARE  
JULY 1992

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE		
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
MARYLAND																																				
SOUTHERN EASTERN SHORE	01																																			
ASSATEAGUE IS NATL SEA	14	MAX OBS MIN OBS	82' 60'	75' 74'	77' 62	82' 61'	81' 64'	74' 62	73' 68'	79' 61'	88' 69'	88' 77'	93' 73'	91' 68	88' 70'	93' 53'	93' 52	90' 70'	87' 67'	90' 63	89' 67'	81' 66'	85' 63	85' 64'	76' 68'	79' 68	73' 66'	75' 61'	83' 61	80' 63	81' 67'	87' 65'	85' 67	83.3		
PRINCESS ANNE	17	MAX MIN																																		M M
SALISBURY	17	MAX OBS MIN	86' 67'	81' 65'	75' 58	82' 65'	82' 63'	80' 68	80' 64'	84' 62'	91' 73	93' 75'	92' 77'	92' 72	93' 73	94' 74	94' 79	92' 72	90' 70	89' 77	88' 70	89' 67	93' 70	89' 67	83' 68	83' 68	75' 61	80' 62	80' 70	88' 66	83' 62	86' 68	90' 68	88		
SALISBURY FAA ARPT	MID	MAX MIN	87' 65'	77' 59'	78' 57	85' 68	85' 62	79' 64	83' 63	86' 59	92' 73	94' 75	92' 73	94' 71	90' 75	96' 72	94' 75	86' 74	91' 71	87' 71	89' 68	89' 66	94' 65	76' 69	84' 70	76' 68	75' 64	80' 62	88' 72	81' 64	87' 61	89' 67	89' 71	86.2		
SNOW HILL 4 N	17	MAX MIN	86' 65'	83' 66'	77' 58	84' 69	85' 62	80' 71	80' 61	84' 57	92' 72	94' 75	92' 75	93' 71	92' 74	94' 70	92' 76	90' 74	89' 70	89' 77	87' 70	89' 65	92' 70	86' 67	81' 71	80' 70	74' 68	80' 61	89' 72	82' 69	87' 60	90' 67	88' 71	86.5		
CENTRAL EASTERN SHORE																																				
ROYAL OAK 2 SSW	18	MAX MIN	86' 70'	84' 67	77' 62	84' 67	84' 61	82' 71	82' 63	84' 59	92' 74	94' 74	92' 92	92' 71	89' 78	96' 70	94' 79	90' 69	91' 73	87' 69	90' 66	91' 68	95' 72	76' 70	85' 68	84' 67	76' 64	81' 74	88' 68	82' 61	87' 70	89' 68	91	86.9		
VIENNA	18	MAX OBS MIN OBS	89' 70'	86' 68	79' 69	85' 67	86' 64	85' 71	84' 70	85' 62	95' 73	96' 75	95' 75	95' 75	95' 75	100' 77	98' 82	94' 70	90' 72	89' 78	92' 73	93' 68	90' 69	85' 68	87' 68	75' 67	82' 66	88' 73	83' 66	88' 64	91' 71	90	89.0			
LOWER SOUTHERN																																				
LA PLATA 1 W	18	MAX MIN	85' 69	81' 65	78' 64	79' 67	83' 60	81' 68	77' 59	82' 59	89' 75	92' 71	90' 71	88' 69	83' 71	92' 70	91' 75	88' 70	88' 72	86' 73	83' 68	87' 68	90' 68	75' 69	81' 70	81' 68	72' 68	79' 67	83' 71	79' 64	83' 63	84' 66	88' 70	83.8		
MECHANICSVILLE 5 NE	19	MAX MIN	83' 70	80' 66	78' 63	82' 68	81' 58	79' 68	82' 60	90' 57	93' 73	90' 72	91' 71	85' 68	94' 73	91' 70	86' 76	89' 69	82' 71	86' 73	88' 66	91' 69	75' 68	82' 70	81' 67	73' 68	79' 67	86' 72	80' 63	85' 62	85' 65	88' 69	84.3			
OWINGS FERRY LANDING	17	MAX MIN	84' 68	83' 63	79' 62	83' 66	83' 58	83' 58	80' 58	83' 56	92' 72	93' 70	92' 71	91' 68	86' 72	95' 69	94' 73	92' 68	89' 71	87' 72	87' 69	89' 67	92' 67	76' 67	83' 69	84' 66	72' 67	78' 65	85' 71	81' 64	86' 60	85' 66	89' 68	85.7		
UPPER SOUTHERN																																				
ANNAPOLIS POLICE BRKS	17	MAX MIN OBS	89' 69'	81' 59'	81' 62	88' 65	88' 61	83' 58	84' 56	84' 54	92' 73	96' 74	96' 73	93' 63	94' 74	99' 74	98' 77	96' 70	92' 74	93' 75	91' 69	93' 69	93' 69	78' 69	87' 69	87' 67	72' 70	81' 64	87' 71	85' 63	88' 61	87' 68	92' 73	88.6		
BALTIMORE WSO ARPT	MID	MAX MIN	91' 68	82' 66	72' 66	85' 65	86' 60	83' 68	82' 62	85' 59	92' 74	95' 72	91' 73	92' 71	91' 75	98' 73	96' 73	88' 69	92' 73	85' 68	90' 66	94' 67	94' 70	77' 69	87' 66	73' 65	75' 67	82' 65	86' 67	83' 63	88' 62	88' 69	91' 68	86.9		
BELTSVILLE	08	MAX MIN	91' 66	91' 63	82' 65	72' 66	85' 52	84' 67	81' 57	81' 56	84' 65	92' 69	96' 74	91' 68	92' 77	91' 69	97' 73	94' 66	88' 73	94' 74	87' 63	90' 69	92' 67	93' 65	76' 68	86' 66	75' 65	75' 65	80' 71	84' 61	82' 59	88' 65	88' 69	86.5		
COLLEGE PARK	09	MAX OBS MIN OBS	93' 68	91' 63	84' 63	74' 68	87' 59	87' 69	82' 60	83' 60	87' 73	95' 73	99' 76	92' 72	92' 77	95' 69	100' 76	99' 67	92' 76	94' 78	86' 67	92' 73	96' 71	94' 69	78' 67	86' 69	86' 67	76' 67	75' 67	81' 71	83' 63	83' 62	90' 68	88		
DALECARLIA RESERVOIR	17	MAX MIN OBS	90' 60	90' 56	90' 58	84' 58	86' 51	87' 58	84' 50	86' 52	93' 64	96' 63	95' 64	93' 63	92' 67	98' 62	97' 65	93' 61	93' 60	88' 58	90' 58	92' 60	93' 59	77' 61	86' 62	85' 58	76' 57	82' 59	84' 63	85' 53	88' 50	89' 56	91' 60	88.8		
GLENN DALE BELL STN	16	MAX MIN OBS	89' 65	87' 62	80' 63	80' 66	83' 56	85' 67	82' 54	84' 54	90' 61	94' 68	92' 70	90' 69	90' 74	96' 68	95' 72	93' 65	90' 73	90' 72	90' 63	92' 66	92' 65	84' 65	80' 67	85' 66	82' 50	82' 62	84' 70	80' 60	87' 57	88' 64	89' 68	87.2		
LAUREL 3 W	MID	MAX MIN	92' 65	83' 68	72' 63	84' 60	85' 61	83' 68	82' 57	84' 59	92' 71	96' 70	92' 72	93' 74	92' 69	97' 70	95' 72	89' 73	91' 66	86' 70	90' 66	93' 67	92' 68	78' 65	87' 63	74' 63	71' 60	80' 63	85' 68	83' 59	90' 52	91' 65	92' 62	86.9		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# DAILY TEMPERATURES (°F)

MARYLAND AND  
DELAWARE  
JULY 1992

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE	
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
NATIONAL ARBORETUM DC	07	MAX MIN	91 69	88 66	84 66	74 66	85 60	85 66	82 60	82 59	86 67	93 73	97 76	94 72	93 73	90 72	98 76	95 69	92 72	94 74	87 69	92 73	94 70	95 69	77 69	87 67	75 66	73 66	81 69	85 64	84 61	89 65	90 71	87.5 68.2	
UPPER MARLBORO 3 NNW	08	MAX MIN	88 67	86 65	80 64	73 66	84 58	84 68	81 58	81 57	83 64	92 71	91 68	92 73	89 70	95 74	89 70	94 67	86 73	91 74	85 65	89 66	92 67	94 67	76 70	85 67	73 66	72 65	80 68	85 64	81 60	87 67	87 70	85.3 66.7	
NORTHERN EASTERN SHORE	05																																		
CHESTERTOWN	23	MAX MIN	91 69	82 62	72 60	85 64	86 60	82 68	84 60	87 58	92 72	95 68	91 72	91 71	93 77	97 73	95 73	89 67	92 69	85 72	90 67	93 68	92 70	78 67	84 67	77 64	73 62	78 65	86 72	83 63	88 60	89 68	92 66	86.8 66.9	
MILLINGTON 1 SE	18	MAX OBS MIN OBS	89 68	79 60	77 59	82 65	84 57	82 69	84 60	89 55	93 71	91 71	88 69	93 75	93 72	93 74	87 66	89 70	91 73	92 65	86 65	82 70	82 67	82 65	86 61	82 67	82 65	76 62	79 62	83 62	81 58	86 66	87 67	90 67	86.3 65.6
NORTHERN CENTRAL	06																																		
ABERDEEN PHILLIPS FIEL	16	MAX MIN	88 68	78 65			78 69	81 65	83 57	89 74	92 70			90 78	96 73	96 75	93 66	84 71					90 67	89 68	86 67	80 70	80 66			82 69	79 65	86 58	86 68	87 73	86.0 68.3
BALTIMORE CITY	MID	MAX MIN	93 74	84 72	74 67	90 70	89 68	87 72	87 68	96 76	100 82	97 81	96 82	99 81	101 82	99 80	90 76	93 74	90 78	95 76	98 76	96 77	79 72	89 70	75 67	89 67	75 66	80 72	88 76	85 68	93 71	88 75	96 70	90.0 73.7	
BENSON POLICE BARRACKS	17	MAX MIN	90 68	82 65	82 63	85 62	86 62	86 68	84 63	85 58	93 72	96 71	96 75	90 76	98 74	97 75	97 67	89 71	90 75	91 67	92 68	93 69	91 66	92 66	93 66	83 66	84 64	84 62	83 67	83 67	90 62	89 62	90 67	88.2 67.6	
CATOCTIN MOUNTAIN PARK	17	MAX MIN	83 64	75 60	75 58	75 60	79 62	78 61	74 56	76 61	86 68	85 69	84 67	84 71	88 72	84 74	82 66	82 67	82 66	82 65	82 65	78 64	78 64	72 62	75 61	72 64	72 64	65 59	71 62	73 62	80 55	80 62	81 65	81 68	78.6 64.1
CLARKSVILLE 3 NNE	17	MAX OBS MIN	89 66	81 62	80 64	82 65	83 54	85 55	80 57	85 54	94 67	97 68	97 70	91 67	90 71	97 68	94 70	88 65	90 72	87 72	88 62	90 64	90 63	77 66	85 67	82 66	70 63	78 65	82 71	80 59	88 55	87 61	90 67	86.4 64.4	
CONOWINGO DAM	MID	MAX MIN																																	
EMMITSBURG 2 SE	17	MAX MIN	87 65	80 60	78 62	80 62	83 54	81 65	79 57	81 55	90 70	90 67	88 72	85 67	87 74	91 71	91 72	86 65	87 70	82 71	89 71	84 64	85 65	83 65	80 65	74 67	67 62	76 65	77 69	80 56	84 56	83 64	86 69	83.0 65.1	
FREDERICK POLICE BRKS	17	MAX MIN	90 69	87 66	84 63	85 64	85 61	84 65	84 61	94 73	95 74	97 71	90 73	99 75	99 73	90 74	93 68	93 69	90 71	89 68	91 68	92 65	92 68	91 67	92 68	85 68	84 68	84 65	80 63	80 65	83 59	87 56	89 64	91 68	88.0 67.9
MILLERS 4 NE	18	MAX MIN	85 65	79 63	77 62	79 61	82 57	78 66	78 60	80 56	89 69	87 69	84 71	86 66	92 74	90 73	84 68	84 70	82 65	84 65	85 66	84 66	81 63	80 62	76 63	69 60	73 65	77 69	77 69	83 59	83 56	85 64	85 68	82.0 64.8	
ROCKVILLE 1 NE	MID	MAX MIN	85 69	84 66	71 65	82 66	83 58	81 66	79 60	82 59	89 75	88 76	88 71	92 73	92 75	89 69	90 73	86 69	86 73	87 71	88 66	88 70	88 71	88 67	88 67	88 66	88 66	75 64	82 67	74 71	82 67	87 68	88 68	90 66	84.5 68.1
TOWSON	18	MAX MIN																																	
UNIONVILLE	17	MAX MIN	88 65	82 63	82 64	82 64	84 54	82 65	80 53	83 50	92 72	93 69	87 70	87 66	89 71	95 70	91 70	88 65	90 72	86 72	87 72	87 63	89 62	86 63	86 64	83 65	72 66	68 62	77 65	79 69	81 54	85 54	85 61	88 69	84.7 64.3
WESTMINSTER POL BRKS	17	MAX MIN	89 69	86 65	85 61	88 60	85 61	83 65	83 58	85 59	93 71	93 72	89 69	89 72	90 76	95 78	96 78	92 66	89 66	88 73	86 69	89 69	89 69	85 63	83 62	79 64	67 60	78 65	79 65	80 57	86 58	86 66	89 69	86.4 66.3	
WOODSTOCK	18	MAX MIN	89 65	82 61	77 63	84 63	85 55	83 65	82 57	85 56	91 70	95 70	91 73	90 70	90 72	97 71	95 72	87 66	88 70	87 73	89 64	91 65	90 65	79 74	85 65	85 65	71 62	78 65	82 70	82 59	88 57	87 63	88 69	86.2 65.6	
APPALACHIAN MOUNTAIN	07																																		
CUMBERLAND 2	18	MAX MIN	84 65	82 66	79 64	82 56	87 56	82 53	79 55	84 60	92 69	91 68	89 69	90 69	87 73	92 75	89 67	88 63	88 66	87 65	88 60	90 60	87 67	80 64	82 65	82 65	79 65	76 67	78 56	83 56	87 58	85 65	82 56	84.9 63.3	
FROSTBURG 2	07	MAX MIN	83 63	78 62	75 62	67 62	73 57	78 58	73 49	71 50	88 58	83 69	80 66	80 66	82 66	77 67	84 71	82 64	80 61	81 62	86 61	88 58	82 61	82 58	80 60	79 62	80 60	77 62	79 61	80 62	78 53	80 52	77 58	80 60	77.2 60.6
HAGERSTOWN	08	MAX MIN																																	
HANCOCK	08	MAX OBS MIN	89 66	89 64	81 65	70 64	81 53	87 66	81 55	78 56	86 64	92 65	91 66	87 67	86 70	94 73	90 70	88 65	90 66	84 63	88 58	90 63	89 68	88 64	82 65	82 65	73 64	82 65	79 65	72 66	79 68	80 61	86 63	85 69	84.5 64.6

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# DAILY TEMPERATURES (°F)

MARYLAND AND  
DELAWARE  
JULY 1992

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALLEGHENY PLATEAU 08																																		
MC HENRY 2 NW	08	MAX	82	78	77	77	75	77	72	71	81	81	81	79	78	75	81	82	79	79	79	77	80	75	68	76	78	78	70	75	74	78	80	
		MIN	63	63	63	59	54	57	49	50	59	61	60	64	65	63	67	62	60	60	57	58	59	60	60	62	60	62	62	53	53	56	60	
SAVAGE RIVER DAM	08	MAX	87	76	78	75	75	81	75	74	80	85	85	82	84	80	88	83	81	86	85	80	84	80	68	80	79	75	75	76	75	81	84	
		MIN	62	63	63	64	53	56	48	51	57	68	65	66	67	66	68	65	59	60	60	57	51	62	62	63	64	63	63	54	52	56	60	
DELAWARE																																		
NORTHERN 01																																		
NEWARK UNIVERSITY FARM	17	MAX	89	81	81	82	86	84	82	86	91	93	94	88	90	96	96	92	86	86	88	91	90	84	79	80	74	78	85	80	89	87	90	
		MIN	62	65	58	62	57	68	57	57	69	67	74	68	74	73	76	65	67	73	64	64	70	62	66	62	60	62	72	62	57	66	69	
WILMINGTON WSO ARPT	MID	MAX	90	81	70	83	85	81	82	83	92	92	89	86	92	97	95	83	87	85	88	91	90	80	80	72	75	77	86	80	87	87	89	
		MIN	70	65	61	66	59	67	62	60	72	72	74	70	74	75	72	68	68	70	67	66	71	70	67	63	63	69	73	63	60	68	69	
WILMINGTON PORTER RSVR	MID	MAX	88	80	70	81	83	81	80	83	90	91	87	85	90	95	92	82	85	82	85	89	86	78	77	70	74	76	83	78	85	84	87	
		MIN	70	66	59	64	64	67	64	63	71	71	75	72	77	73	73	67	68	68	68	69	72	67	67	62	62	68	72	64	60	70	69	
SOUTHERN 02																																		
DOVER	17	MAX	88	88	72	81	84	82	79	82	90	92	91	90	89	94	94	92	82	87	85	85	90	88	79	78	73	78	84	82	85	86	86	
		MIN	69	66	60	66	60	70	64	58	70	71	72	71	80	78	78	70	70	76	69	67	71	70	69	66	64	66	72	66	61	70	69	
GEORGETOWN 5 SW	08	MAX	85	88	84	81	82	85	80	84	86	93	95	93	95	92	95	97	83	92	89	88	90	94	75	84	72	73	80	87	87	86	88	
		MIN	60	60	56	65	60	68	61	59	62	71	70	71	72	72	71	57	71	70	67	65	70	68	68	68	66	62	64	66	65	60	64	
		OBS									50																							
GREENWOOD 2 NE	18	MAX	88	81	75	83	85	79	82	85	92	95	92	93	91	96	94	89	91	87	90	91	93	73	83	73	71	77	85	80	87	88	87	
		MIN	66	66	56	66	57	65	61	56	69	71	73	70	74	70	74	67	70	75	66	65	68	66	67	66	64	61	70	64	60	67	67	
LEWES	17	MAX	89	86	74	78	84	80	78	83	93	94	94	91	91	98	96	92	92	90	86	87	91	78	84	83	71	78	82	78	86	86	87	
		MIN	71	66	60	67	64	71	63	61	71	75	75	73	74	75	78	71	69	76	71	68	69	67	68	67	66	66	71	70	62	71	71	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY AND SEASONAL HEATING DEGREE DAYS

MARYLAND AND  
DELAWARE  
JULY 1992

STATION	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL	SEASONAL NORM
MARYLAND														
SOUTHERN EASTERN SHORE 01														
ASSATEAGUE IS NATL SEA	0	08	52	110	502	704						27	M 1395	
PRINCESS ANNE	0		30			660	769	678			165	12	M 2314	4298
SALISBURY	0	0	39	184	452	643	773	677	622	302	151	8	M 3851	4016
SALISBURY FAA ARPT	0	0	59	234	496	726	846	736	667	363	189	18	M 4334	4411
SNOW HILL 4 N	0	0	53	198	462	657	784	689	631	333	162	18	M 3987	4239
CENTRAL EASTERN SHORE 02														
ROYAL OAK 2 SSW	0	0	42	176	479	672	812	708	635	298	143	4	M 3969	4192
VIENNA	0	0	55	211	500	660	752	690	615	322			M 3805	4140
LOWER SOUTHERN 03														
LA PLATA 1 W	0	0	55	218	480	695	819	694	621	301	179	16	M 4078	4384
MECHANICSVILLE 5 NE	0	0	61	252	520	703	833	710	634	325	176	20	M 4234	
OWINGS FERRY LANDING	0	0	52	224	530	721	854	717	661	324	169	15	M 4267	4384
UPPER SOUTHERN 04														
ANNAPOLIS POLICE BRKS	0	0		190	492	697	864	730	681	310	125	12	M 4101	
BALTIMORE WSD ARPT	0	0	49	246	570	809	936	802	730	387	161	8	M 4698	4706
BELTSVILLE	0	0	61	272	579	775	919	782	716	383	200	16	M 4703	5053
COLLEGE PARK	0	0	46	213	527	721	849	718	666	332	159	11	M 4242	4455
DALECARLIA RESERVOIR	0	0	79	305	618	837	971				220	44	M 3074	4425
GLENN DALE BELL STN	0	0	76	259	545	710	854	716	660	340	192	22	M 4374	4649
LAUREL 3 W	0	0	52	239	538	771	897	780B	713	376	182	16	B 4564	4489
NATIONAL ARBORETUM DC	0	0	44	212	532	723	851	723	657	330	160	9	M 4241	4267
UPPER MARLBORO 3 NNW	0	0	70	300	559	766	882	750	696		195		M 4218	
NORTHERN EASTERN SHORE 05														
CHESTERTOWN	0	0	47	219	550	778	893	771	689	355	177	6	M 4485	4600
MILLINGTON 1 SE	0	0	68	225	535	739	879	759	699	367	178	11	M 4460	4837
NORTHERN CENTRAL 06														
ABERDEEN PHILLIPS FIEL	0B	0		208B		799B		753B	669	317	165B	9	M 2920	
BALTIMORE CITY	0	0	16	127	410	618	747	634	576	242	102	0	M 3472	4083
BENSON POLICE BARRACKS	0	0	43	199	510	736	876	742	670	302	122	6	M 4206	4998
CATOCTIN MOUNTAIN PARK	0	0				858	1020	883	834	423	237	42	M 4297	
CLARKSVILLE 3 NNE	0	0	87	283	596	783	920	773	720	388	189	19	M 4758	
CONOWINGO DAM	0	0	66	297		852	927						M 2142	5206
EMMITTSBURG 2 SE	0	0	105	313	613	832	977	802	752	397	218	25	M 5034	
FREDERICK POLICE BRKS	0	0	59	213	524	750	880	732	679	309	147	7	M 4300	
MILLERS 4 NE	0	0	103	295	599	833	973	816	793	409	204	28	M 5053	
ROCKVILLE 1 NE	0	0	70	255	563	781	913	763	695	354	175	17	M 4586	4663
TOWSON	0												M	
UNIONVILLE	0	0	105	312	645	865	983	826	764	411	213	29	M 5153	5415
WESTMINSTER POL BRKS	0	0	67	242	564	778	928	797	723	349	174	17	M 4639	5250
WOODSTOCK	0	0	67	252	554	789	914	773	724	354	172	16	M 4615	5027
APPALACHIAN MOUNTAIN 07														
CUMBERLAND 2	0	0	98	279	645	863	971	819	708	339	179	22	M 4923	5106
FROSTBURG 2	3	4	169	389	774	961	1136	974	955	545	349	117	M 6376	
HAGERSTOWN	0	0	98	301	623	837	987	837B	793	390	202	25	M 5093	5086
HANCOCK	0	0	132	344	678	871	1019	843	787	381	217	37	M 5309	5573
ALLEGHENY PLATEAU 08														
MC HENRY 2 NW	7	12	182	388	834	986	1181	1010	952	549	349	118	M 6568	
SAVAGE RIVER DAM	2	4	150	403	778	953	1094	935	861	489	292	89	M 6050	6335

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY AND SEASONAL HEATING DEGREE DAYS

MARYLAND AND  
DELAWARE  
JULY 1992  
SEASONAL  
NORM

STATION	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL	SEASONAL NORM
DELAWARE														
NORTHERN 01														
NEWARK UNIVERSITY FARM	0	0	65	247	558	771	894	777	733	373	162	12	4592	4906
WILMINGTON WSO ARPT	0	0	64	244	541	785	914	799	723	386	169	12	4637	4986
WILMINGTON PORTER RSVR	0	0	62	258	572	798	920	813	749	408	184	15	4779	5127
SOUTHERN 02														
DOVER	0	0	44	192	477	680	831	741	697	371	174	14	4221	4356
GEORGETOWN 5 SW	0	0	74	254	518	715	857	758	681	388	225	33	4503	4571
GREENWOOD 2 NE	0	0	71	222	526	742	871	774	717	393	205	20	4541	
LEWES	0	0	30	172	432	633	797	703	673	365	186	11	4002	4505

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# EVAPORATION AND WIND

MARYLAND AND  
DELAWARE  
JULY 1992

STATION		DAY OF MONTH																															TOTAL OR AVG	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
MARYLAND																																		
UPPER SOUTHERN 04																																		
BELTSVILLE	WIND	31'	26'	52'	28'	38'	43'	17'	27'	57'	47'	45'	35'	17'	36'	40'	49'	44'	43'	15'	12'	10'	22'	13'	9'	23'	0'	0'	0'	1'	0'	0	780	
	EVAP	21'	26'	31'	2'	30'	31'	16'	25'	19'	22'	27'	30'	19'	21'	30'	32'	24'	26'	21'	24'	30'	37'	13'	33'	-	-	-	9'	25'	23'	21	7.39B	
	MAX	97'	93'	93'	72'	92'	91'	86'	92'	88'	92'	98'	95'	96'	91'	99'	98'	92'	85'	95'	97'	99'	97'	79'	89'	-	-	-	80'	86'	91'	96'	97	91.6
	MIN	68'	66'	65'	67'	65'	66'	64'	63'	65'	73'	64'	72'	73'	72'	74'	69'	73'	75'	68'	70'	72'	69'	69'	72'	-	-	-	67'	66'	66'	68'	71	68.7
UPPER MARLBORO 3 NNW																																		
	WIND	16'	7'	7'	7'	13'	8'	2'	2'	27'	10'	11'	9'	14'	26'	12'	38'	7'	21'	12'	13'	6'	4'	1'	7'	15'	12'	11'	1'	13'	5'	4	341	
	EVAP	18'	13'	22'	7'	-	-	9'	21'	16'	15'	27'	24'	36'	21'	29'	32'	16'	25'	27'	19'	27'	16'	14'	20'	0'	13'	9'	6'	28'	23'	20	5.91B	
	MAX	84'	82'	85'	74'	83'	82'	82'	84'	79'	84'	87'	87'	86'	84'	88'	89'	87'	89'	85'	88'	89'	88'	79'	82'	76'	75'	77'	81'	82'	84'	85	83.5	
	MIN	70'	72'	72'	71'	69'	69'	70'	69'	70'	75'	76'	76'	77'	76'	76'	78'	78'	79'	76'	76'	77'	76'	75'	74'	71'	71'	72'	73'	72'	72'	74	73.6	
ALLEGHENY PLATEAU 08																																		
SAVAGE RIVER DAM																																		
	WIND	17'	15'	18'	28'	40'	25'	39'	25'	23'	30'	38'	29'	34'	32'	36'	33'	24'	24'	29'	24'	25'	20'	24'	14'	20'	20'	12'	20'	39'	23'	17	797	
	EVAP	11'	20'	9'	-	22'	18'	23'	14'	8'	15'	14'	27'	2'	8'	28'	6'	20'	25'	4'	7'	41'	8'	3'	1'	13'	10'	-	13'	9'	14'	16	4.37B	
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
DELAWARE																																		
NORTHERN 01																																		
NEWARK UNIVERSITY FARM																																		
	WIND	9'	26'	11'	28'	15'	10'	18'	15'	32'	24'	62'	17'	48'	51'	32'	35'	59'	18'	18'	18'	24'	35'	24'	52'	48'	7'	21'	45'	30'	10'	32	874	
	EVAP	6'	17'	14'	8'	21'	16'	25'	22'	7'	45'	26'	22'	23'	38'	28'	31'	12'	27'	25'	20'	39'	25'	11'	17'	16'	11'	56'	30'	36'	19'	37	7.30	
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M

EVAPORATION: IS MEASURED IN HUNDRETHS OF INCHES  
WIND: IS MEASURED IN MILES  
MAX AND MIN: THE MAXIMUM AND MINIMUM TEMPERATURES (FAHRENHEIT) OF THE WATER IN THE EVAPORATION PAN  
SEE REFERENCE NOTES FOLLOWING STATION INDEX

# SNOWFALL AND SNOW ON GROUND (INCHES)

MARYLAND AND  
DELAWARE  
JULY 1992

STATION	DAY OF MONTH																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MARYLAND UPPER SOUTHERN 04 BALTIMORE WSO ARPT  DELAWARE	RSNOWFALL SN ON GND WTR EQUIV	T																														

SNOWFALL: INCLUDES SNOW AND ICE. VALUES FOR NWS STATIONS (J INDEX NOTE) ARE MID-MID (LST).  
 SNOW ON GROUND: INCLUDES SNOW, SLEET, ICE AND HAIL. VALUES FOR NWS STATIONS (J INDEX NOTE) ARE OBSERVED AT 0000 UTC (GMT).  
 WATER EQUIVALENT: GIVEN FOR NWS STATIONS (J INDEX NOTE) ONLY, WHEN SNOW DEPTH IS 2 INCHES OR MORE.  
 SEE REFERENCE NOTES FOLLOWING STATION INDEX

# STATION INDEX

MARYLAND AND  
DELAWARE  
JULY 1992

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER	
							LOCAL STD TIME					
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)		
MARYLAND												
ABERDEEN PHILLIPS FIEL	0015	06	HARFORD	39 28	76 10W	57	16	16		C H	PHILLIPS ARMY AIRFIELD	
ANNAPOLIS POLICE BRKS	0193	04	ANNE ARUNDEL	38 59	76 30W	30	17	17			ANNAPOLIS POLICE BRKS	
ASSATEAGUE IS NATL SEA	0335	01	WORCESTER	38 14	75 8W	10	14	07		C H	NATIONAL PARK SERVICE	
BALTIMORE WSO ARPT	R0465	04	ANNE ARUNDEL	39 11	76 40W	148	MID	MID		C H J	NATL WEATHER SERVICE	
BALTIMORE CITY #	R0470	06	BALTIMORE CI	39 17	76 37W	14	MID	MID		C C	NATIONAL WEATHER SERVICE	
BELTSVILLE	0700	04	PRINCE GEORG	39 2	76 53W	120	08	08		O B C	USDA CHEM & BIOPHYS LAB	
BENSON POLICE BARRACKS	0732	06	HARFORD	39 30	76 23W	365	17	17		C H	MARYLAND STATE POLICE	
CATOCTIN MOUNTAIN PARK	1530	06	FREDERICK	39 39	77 29W	1610	17	17		C H	CATOCTIN MOUNTAIN PARK	
CHESTERTOWN	1750	05	KENT	39 13	76 4W	40	23	23		H	THOMAS W ELIASON JR	
CLARKSVILLE 3 NNE	1862	06	HOWARD	39 15	76 56W	370	17	17		H	UNIV OF MD AGRONOMY DEPT	
COLLEGE PARK	1995	04	PRINCE GEORG	38 59	76 57W	90	09	09		C H	UNIVERSITY OF MARYLAND	
CONOWINGO DAM	2060	06	HARFORD	39 39	76 10W	40	MID	MID			SUSQUEHANNA ELECTRIC CO	
CRISFIELD SOMERS COVE	2215	01	SOMERSET	37 59	75 52W	8	17	17			INACTIVE 03/01/91	
CUMBERLAND 2	2282	07	ALLEGANY	39 38	78 45W	730	18	07		H	TIMOTHY B THOMAS	
DALECARLIA RESERVOIR	2325	04	DIS COLUMBIA	38 56	77 7W	150	17	17			U S CORPS OF ENGINEERS	
DAMASCUS 2 SW	2335	06	MONTGOMERY	39 16	77 14W	722	19	19		H	INACTIVE 01/01/92	
EDGEMONT	2770	07	WASHINGTON	39 40	77 33W	905		07			JOHN W HARNE	
EMMITSBURG 2 SE	2906	06	FREDERICK	39 41	77 18W	416	17	17		H	LUCILLE K BEALE	
FREDERICK POLICE BRKS	3348	06	FREDERICK	39 25	77 26W	380	17	17		H	MARYLAND STATE POLICE	
FROSTBURG 2	3415	07	ALLEGANY	39 40	78 56W	2170	07	07		H H	KENNETH L CLOSE	
GLENN DALE BELL STN	3675	04	PRINCE GEORG	38 58	76 48W	150	16	16		H H	USDA PLANT INTRODUCT STN	
HAGERSTOWN	3975	07	WASHINGTON	39 39	77 44W	660	08	08		H H	HAGERSTOWN RESERVOIR	
HANCOCK	4030	07	WASHINGTON	39 42	78 11W	428	08	08		C H	TOWN OF HANCOCK	
LA PLATA 1 W	5080	03	CHARLES	38 32	77 0W	140	18	18		H	C RUSSELL LEVERING	
LAUREL 3 W	5111	04	PRINCE GEORG	39 6	76 54W	400	MID	MID			WA SUBURBAN SANITARY COM	
MC HENRY 2 NW	5832	08	GARRETT	39 35	79 22W	2680	08	08		C H	JOSEPH F JOHENNING	
MECHANICSVILLE 5 NE	5865	03	ST MARYS	38 27	76 41W	100	19	19		H	SANDRA J HASTINGS	
MERRILL	5894	08	GARRETT	39 36	79 5W	1790		09		H	DELWOOD E MERRILL	
MILLERS 4 NE	5934	06	CARROLL	39 43	76 48W	860	18	18		C H	BOBBY P MILLER	
MILLINGTON 1 SE	5985	05	KENT	39 16	75 52W	30	18	18			HOWARD L HARVEY	
NATIONAL ARBORETUM DC	6350	04	DIS COLUMBIA	38 54	76 59W	50	07	07		H	US NATIONAL ARBORETUM	
OAKLAND 1 SE	6620	08	GARRETT	39 24	79 24W	2420	17	17		H	INACTIVE 04/01/92	
OWINGS FERRY LANDING	6770	03	CALVERT	38 41	76 40W	160	17	17		H	JAMES C RASMUSSEN	
POTOMAC FILTER PLANT	7272	06	MONTGOMERY	39 2	77 15W	270		08			POTOMAC WATER FILT PLANT	
PRINCESS ANNE	7330	01	SOMERSET	38 13	75 41W	20	17	17			UNIV OF MD EASTERN SHORE	
ROCKVILLE 1 NE	7705	06	MONTGOMERY	39 6	77 6W	440	MID	17		H	WASHINGTON GAS & ELEC CO	
ROYAL OAK 2 SSW	7806	02	TALBOT	38 43	76 11W	10	18	18		H	JOHN L SHAWNE JR	
SALISBURY	8000	01	WICOMICO	38 22	75 35W	10	17	17			CITY OF SALISBURY	
SALISBURY FAA ARPT #	8005	01	WICOMICO	38 20	75 31W	50	MID	MID		C H	FAA	
SAVAGE RIVER DAM	8065	08	GARRETT	39 31	79 8W	1495	08	08		O B C	US CORPS OF ENGINEERS	
SNOW HILL 4 N	8380	01	WORCESTER	38 14	75 23W	30	17	17		H	CURTIS E SHOCKLEY	
TOWSON	8877	06	BALTIMORE	39 23	76 34W	390	18	18			ENVIRONMENTAL TECH GROUP	
UNIONVILLE	9030	06	FREDERICK	39 27	77 11W	430	17	07		C	RICHARD GETZANDANNER	
UPPER MARLBORO 3 NNW	9070	04	PRINCE GEORG	38 52	76 47W	100	08	08		O B	UNIVERSITY OF MARYLAND	
VIENNA	9140	02	DORCHESTER	38 29	75 50W	10	18	18			DELMARVA POWER & LIGHT	
WESTMINSTER POL BRKS	9440	06	CARROLL	39 33	76 58W	765	17	17		H	MARYLAND STATE POLICE	
WOODSTOCK	9750	06	BALTIMORE	39 20	76 52W	460	18	18		H	JOHN A HILTZ	
DELAWARE												
DOVER	2730	02	KENT	39 9	75 31W	30	17	17		O B C	STATE DIV OF HIGHWAYS	
GEORGETOWN 5 SW	3570	02	SUSSEX	38 38	75 27W	45	08	08		H	UNIV OF DEL SUBSTATION	
GREENWOOD 2 NE	3595	02	SUSSEX	38 50	75 35W	45	18	18		H	DANIEL M SWARTZENTRUBER	
LEWES	5320	02	SUSSEX	38 46	75 8W	15	17	17			BOARD OF PUBLIC WORKS	
MILFORD 4 SE	5915	02	SUSSEX	38 54	75 28W	30	17	17		H	INACTIVE 05/01/91	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# STATION INDEX

MARYLAND AND  
DELAWARE  
JULY 1992

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER
							LOCAL STD TIME				
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)	
NEWARK UNIVERSITY FARM	6410	01	NEW CASTLE	39 40	75 44W	90	17	17	17	C H	UNIV OF DEL AGRIC FARM
WILMINGTON HSO ARPT	R 9595	01	NEW CASTLE	39 40	75 36W	79	MID	MID		C H J	NATL WEATHER SERVICE WATER DEPARTMENT
WILMINGTON PORTER RSVR.	9605	01	NEW CASTLE	39 46	75 32W	274	MID	MID		H	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# REFERENCE NOTES

MARYLAND AND  
DELAWARE  
JULY 1992

## 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 (ie: not precipitation alone).

**NORMALS:** The average value of the meteorological element over a time period. Effective 1 January 1983, the averaging period is 1951 to 1980. The normals for National Weather Service localities have been adjusted so as to be representative for the current observation site.

**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.

**PRECIPITATION:** Values shown in hundredths of inches are water equivalent totals, i.e. total of liquid and melted frozen precipitation. In the "MONTHLY SUMMARIZED DATA" table the total snow and sleet values shown in tenths of inches are unmelted amounts. The max. depth on ground values of snow and sleet shown in whole inches are cumulative unmelted amounts. The no. of days with .10, .50, 1.00 or more refers to water equivalents.

**TEMPERATURE:** Original and edited temperature values are given in the Daily Temperature Table. Edited values are produced when an original value is missing or when surrounding stations indicate a suspect original value. When a line labeled OBS is present and contains either a daily temperature (suspect) or \*\*\* (missing), the temperature appearing directly above, on the line labeled MAX or MIN, is an edited value. Summary temperature information (averages, departures, extremes, monthly degree day totals) is based on the values labeled MAX/MIN.

**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.

## SYMBOLS AND LETTERS USED IN THE STATION INDEX TABLE

# Thermometers located in a rooftop shelter.  
// Rain Gage equipped with a windshield.  
AR Observation made "after rain" has occurred.  
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.  
J Station also published as a Local Climatological Data publication.  
MID Observation time is midnight.  
MO Rain gage read once monthly, usually the last day.  
OC Rain gage readings vary from a few weeks to several months.  
R Amounts from recording rain gage.  
SR Observation time near sunrise.  
SS Observation time near sunset.  
VAR Observation time varies.  
WI Rain gage read weekly or irregularly.  
WM Rain gage read weekly and last day of month.

## SYMBOLS AND LETTERS USED IN THE DATA TABLES

(DAILY DATA ARE FOR THE 24 HOURS IMMEDIATELY PRECEDING OBSERVATION TIME.)

BLANK entries in the "Monthly Summarized Data" table indicate no record. BLANK entries in the "Daily Precipitation" and "Snowfall and Snow on Ground" tables indicate zero.

BLANK entries in the "Daily Temperature" table indicate a missing record where an edited value could not be determined. (See \*\*\* below)

- No record. Data not recorded, determined unreliable by quality control checks, or not received in time for publication.

+ Precipitation or temperature extremes occurred on one or more previous dates during the month.

\*\*\* Missing original temperature which has been estimated during edit.

\* Rain gage not read. Precipitation is included in the amount following the asterisks. Time distribution not known. A \* preceding the monthly total indicates precipitation amount is being carried forward to next months total, and may include amounts from the previous month(s).

// 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 earlier bulletin to determine date of last reading. (HAWAII stations)

B Adjusted monthly value (estimated), (1-7 missing values for wind and evaporation).

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, (8 or more for wind and evaporation).

R Amounts from recording rain gage.

T Trace. An amount too small to measure.

V Includes total for previous month(s). (See \* above)

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

The graphic displays appearing in this publication were first produced for the January 1987 data month. The types of graphs and the information they portray may vary from month to month and from state to state in order to highlight climatic features of state, regional, and seasonal interest. Some graphs present information for "clusters". A cluster is a group of up to four (4) adjacent divisions that comprise an area of similar climate.

Information concerning the history of changes in locations, exposure, etc. of substations is kept on file at the National Climatic Data Center. Historical information for regular National Weather Service Offices may be obtained from the "Local Climatological Data" annual publication. 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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FEDERAL BUILDING  
ASHEVILLE, NC 28801-2696

USCOMM-NOAA-ASHEVILLE, N.C. JULY 1992-0585

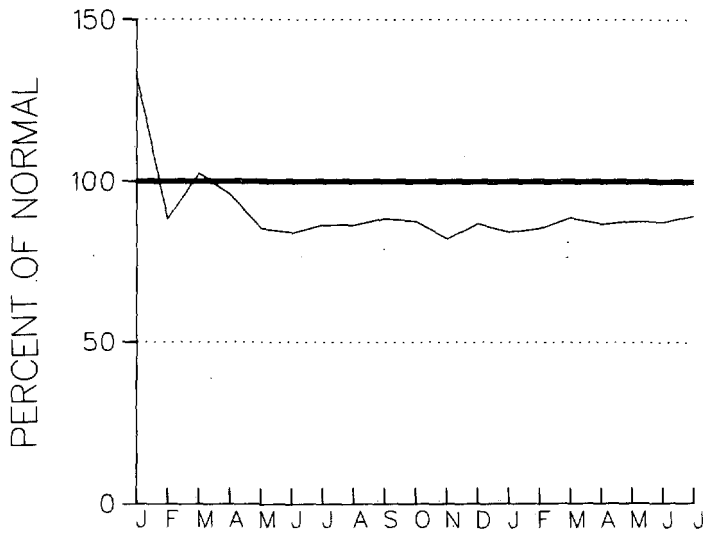
CUMULATIVE PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)  
FOR THE LAST 19 MONTHS  
ENDING JULY 1992  
MARYLAND

CLUSTER 1 -DIVISION(S):  
SOUTHERN EASTERN SHORE 01  
CENTRAL EASTERN SHORE 02  
LOWER SOUTHERN 03

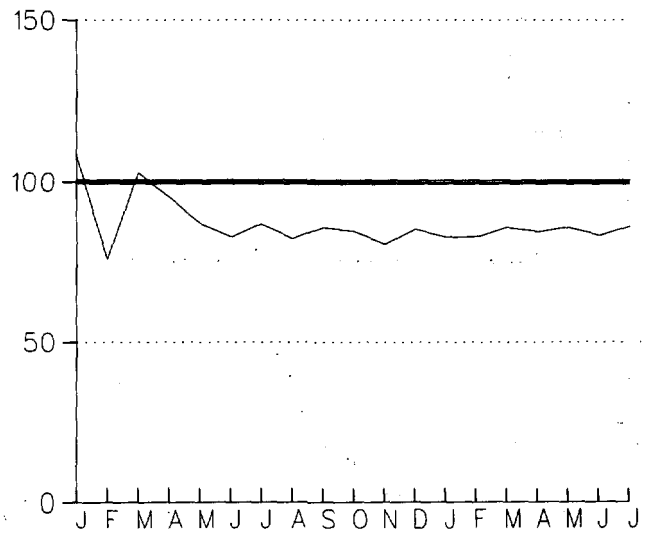
CLUSTER 2 -DIVISION(S):  
UPPER SOUTHERN 04  
NORTHERN EASTERN SHORE 05

CLUSTER 3 -DIVISION(S):  
NORTHERN CENTRAL 06  
APPALACHIAN MOUNTAIN 07

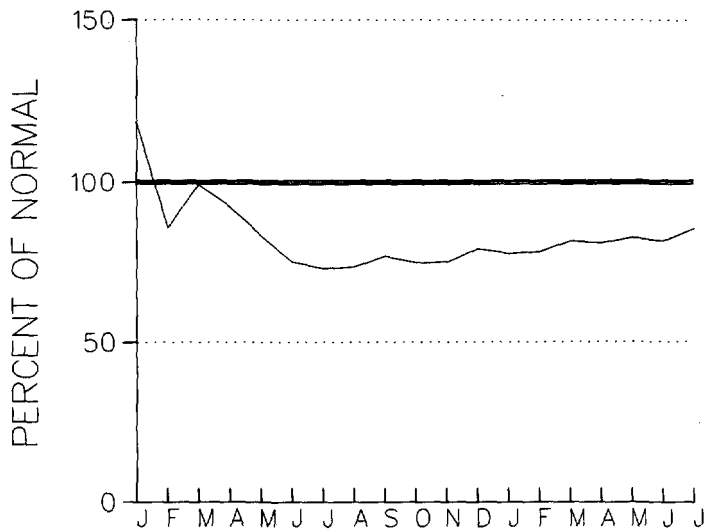
CLUSTER 4 -DIVISION(S):  
ALLEGHENY PLATEAU 08



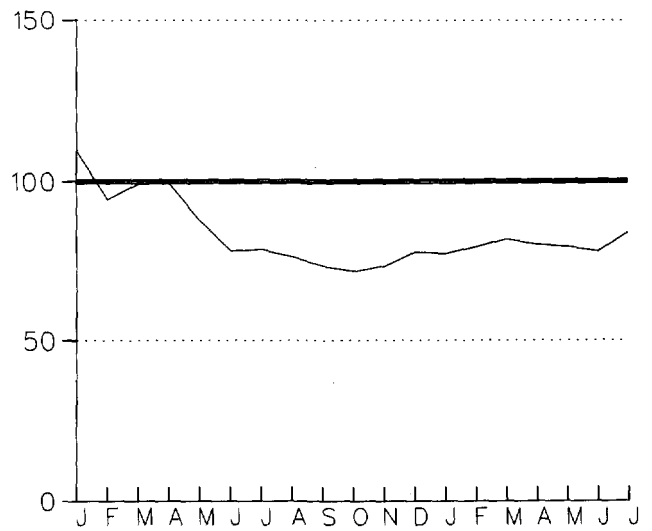
CLUSTER 1



CLUSTER 2



CLUSTER 3

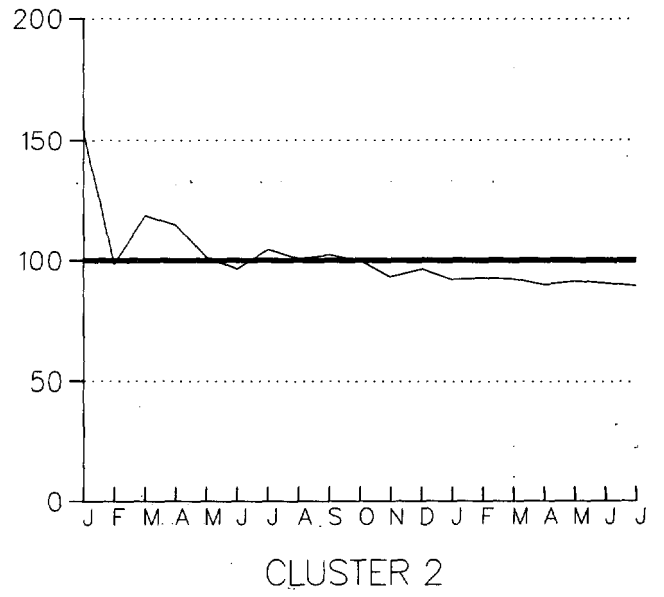
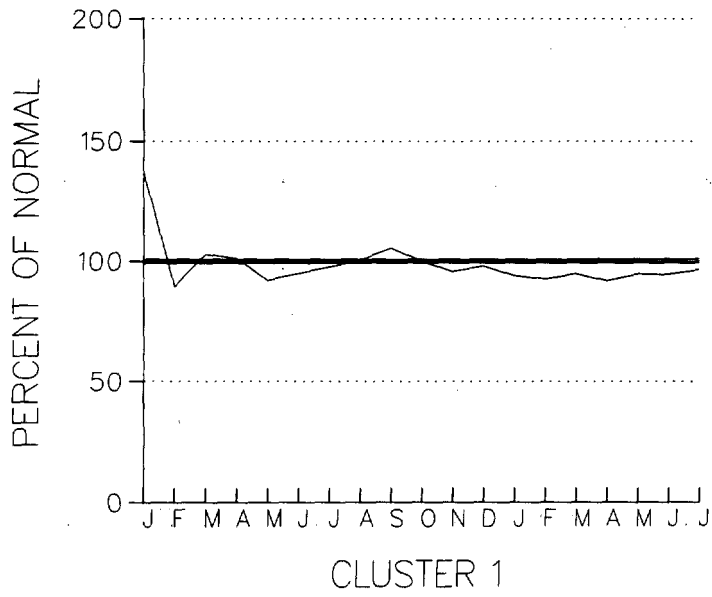


CLUSTER 4

CUMULATIVE PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)  
 FOR THE LAST 19 MONTHS  
 ENDING JULY 1992  
 DELAWARE

CLUSTER 1 - DIVISION(S):  
 NORTHERN 01

CLUSTER 2 - DIVISION(S):  
 SOUTHERN 02



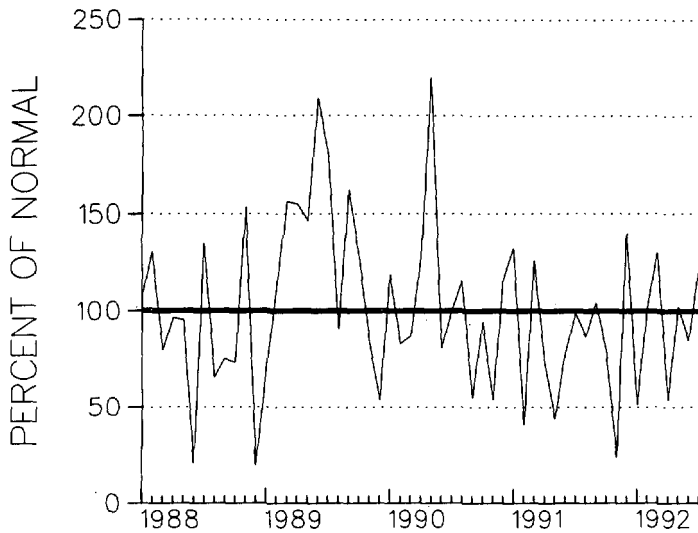
PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)  
 FOR THE 55 MONTHS  
 ENDING JULY 1992  
 MARYLAND

CLUSTER 1 - DIVISION(S):  
 SOUTHERN EASTERN SHORE 01  
 CENTRAL EASTERN SHORE 02  
 LOWER SOUTHERN 03

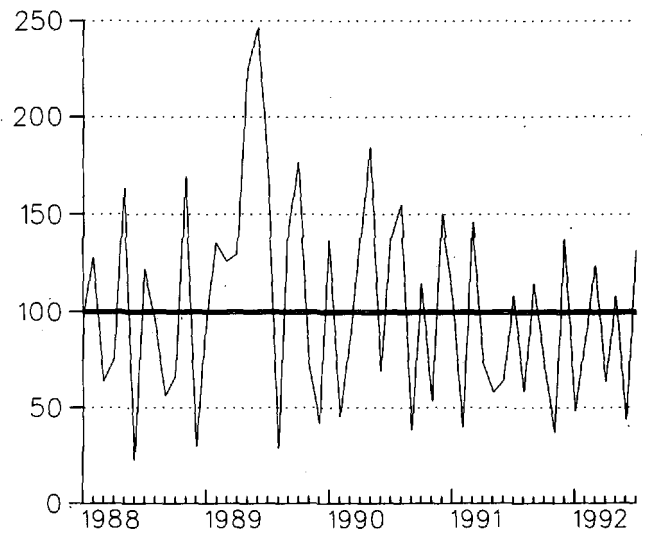
CLUSTER 2 - DIVISION(S):  
 UPPER SOUTHERN 04  
 NORTHERN EASTERN SHORE 05

CLUSTER 3 - DIVISION(S):  
 NORTHERN CENTRAL 06  
 APPALACHIAN MOUNTAIN 07

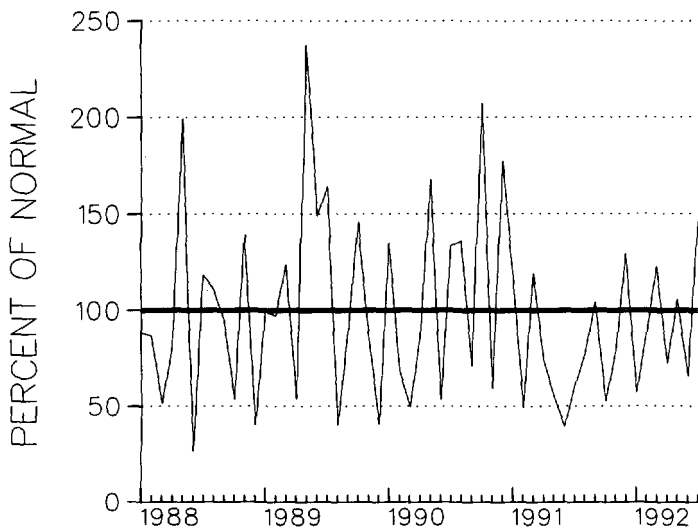
CLUSTER 4 - DIVISION(S):  
 ALLEGHENY PLATEAU 08



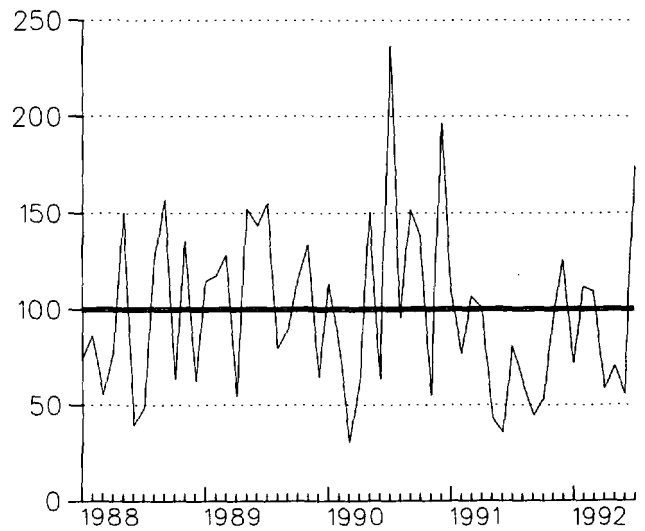
CLUSTER 1



CLUSTER 2



CLUSTER 3

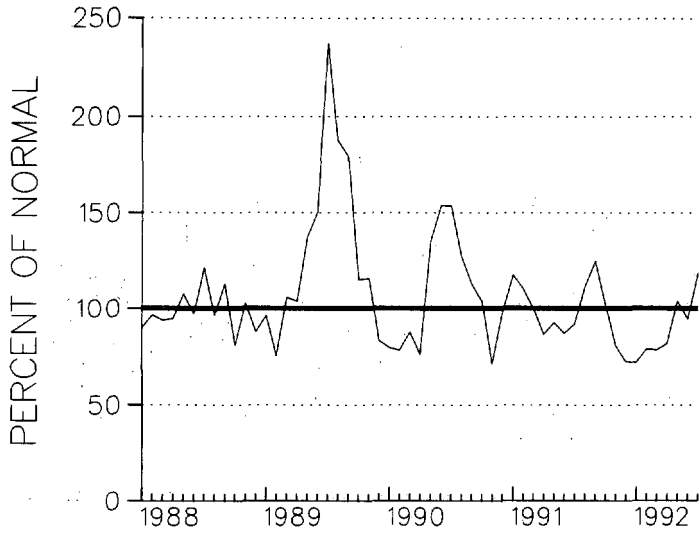


CLUSTER 4

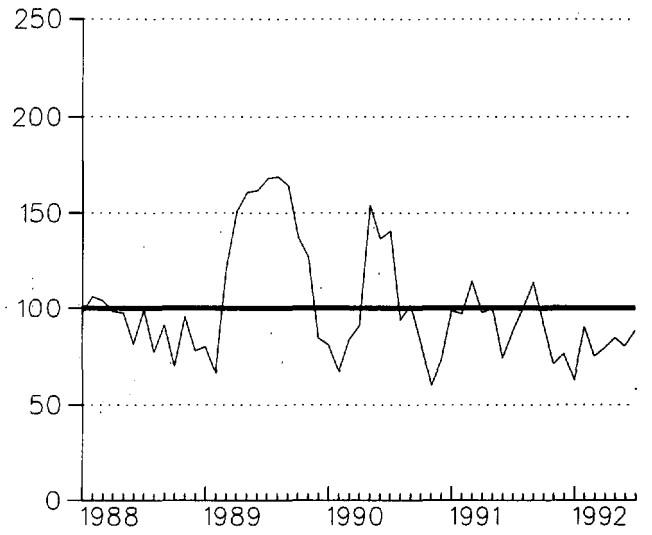
PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)  
THREE MONTH RUNNING MEAN  
FOR THE 55 MONTHS ENDING WITH JULY 1992 DATA  
DELAWARE

CLUSTER 1 - DIVISION(S):  
NORTHERN 01

CLUSTER 2 - DIVISION(S):  
SOUTHERN 02



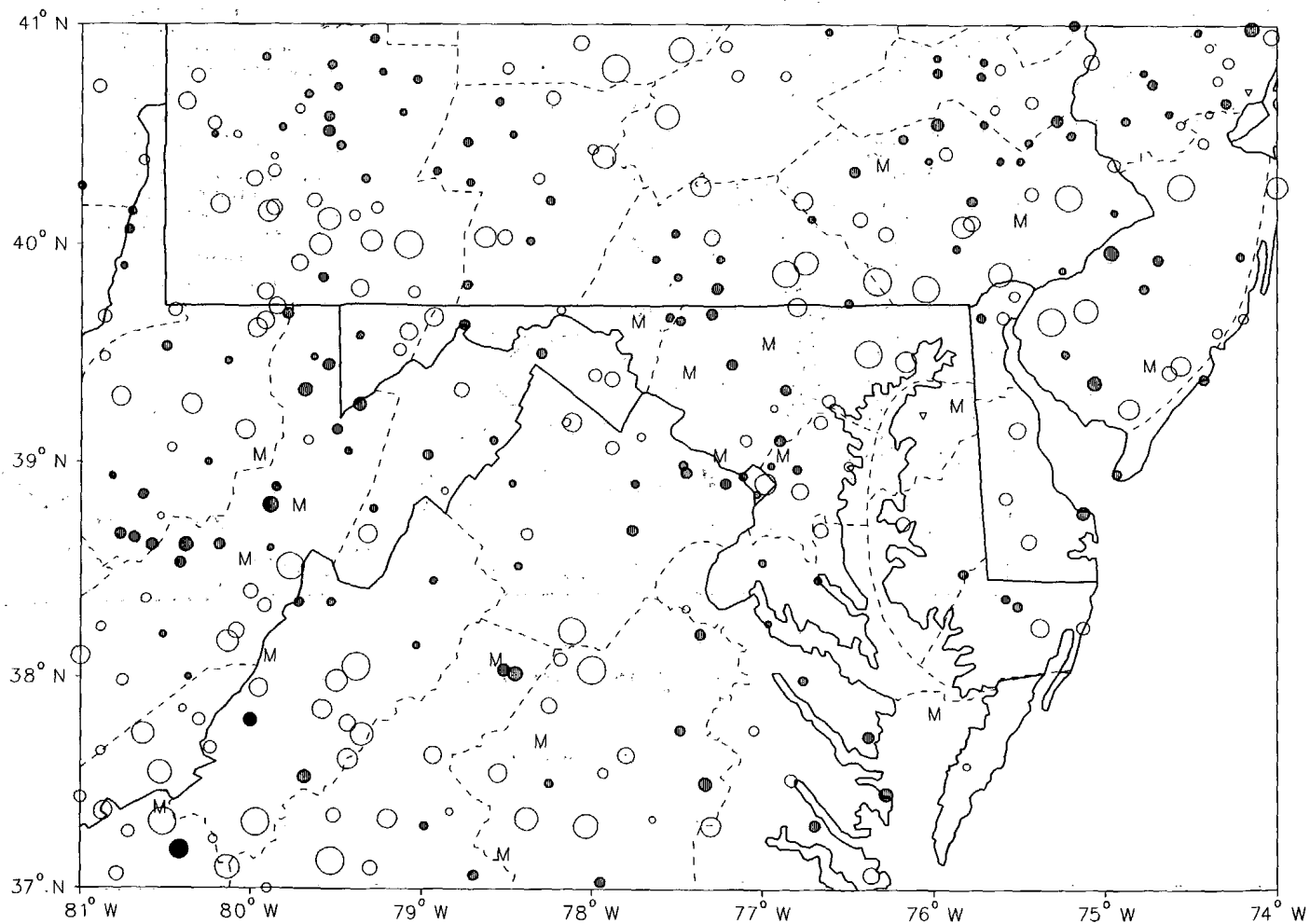
CLUSTER 1



CLUSTER 2

MONTHLY PRECIPITATION DEPARTURE FROM  
THE DIVISIONAL AVERAGE FOR  
JULY 1992  
MARYLAND & DELAWARE

- M DENOTES INCOMPLETE DATA FOR THE MONTH
- ▽ ZERO DEPARTURE
- ○ ○ ○ ○ 5,10,20,... 50% OR MORE BELOW AVERAGE
- ● ● ● ● 10,20,40,...100% OR MORE ABOVE AVERAGE

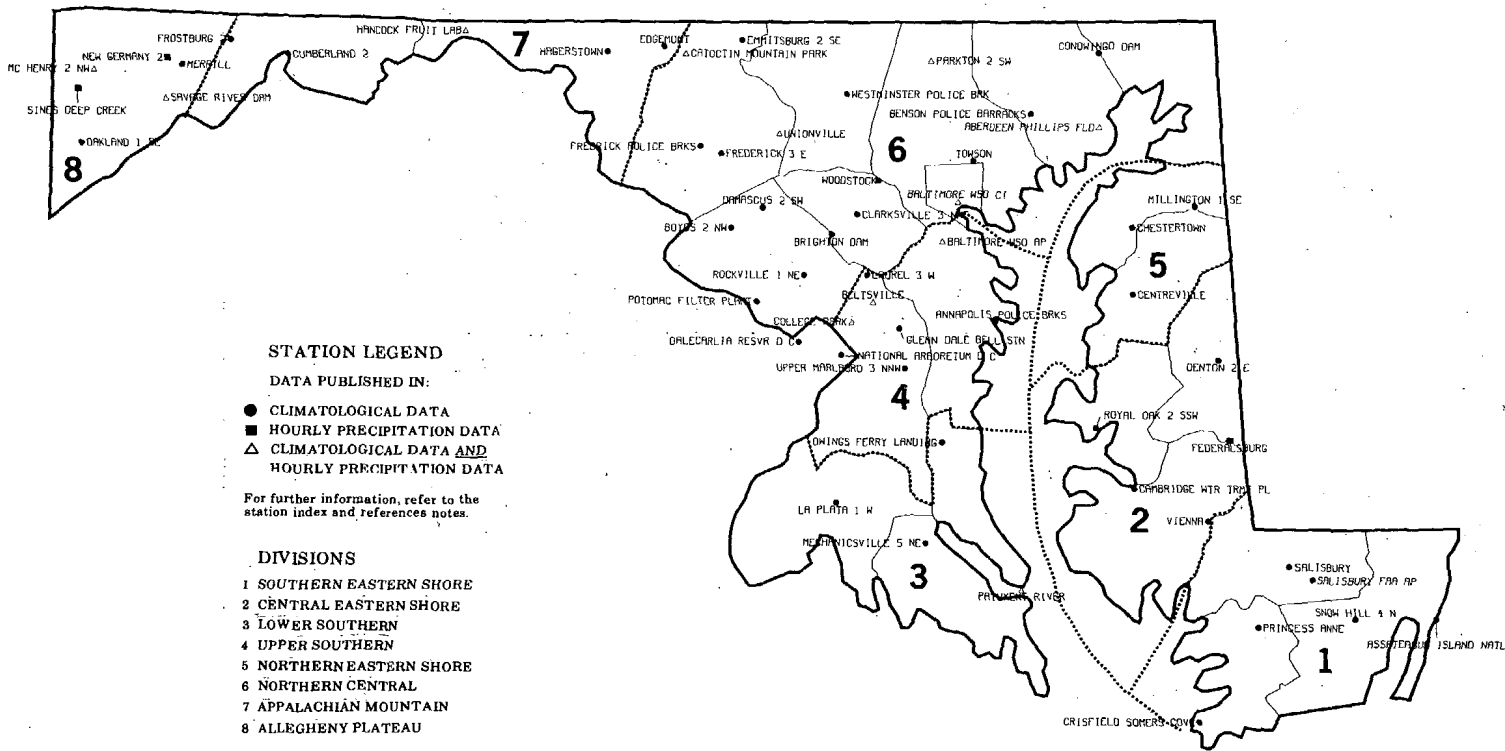


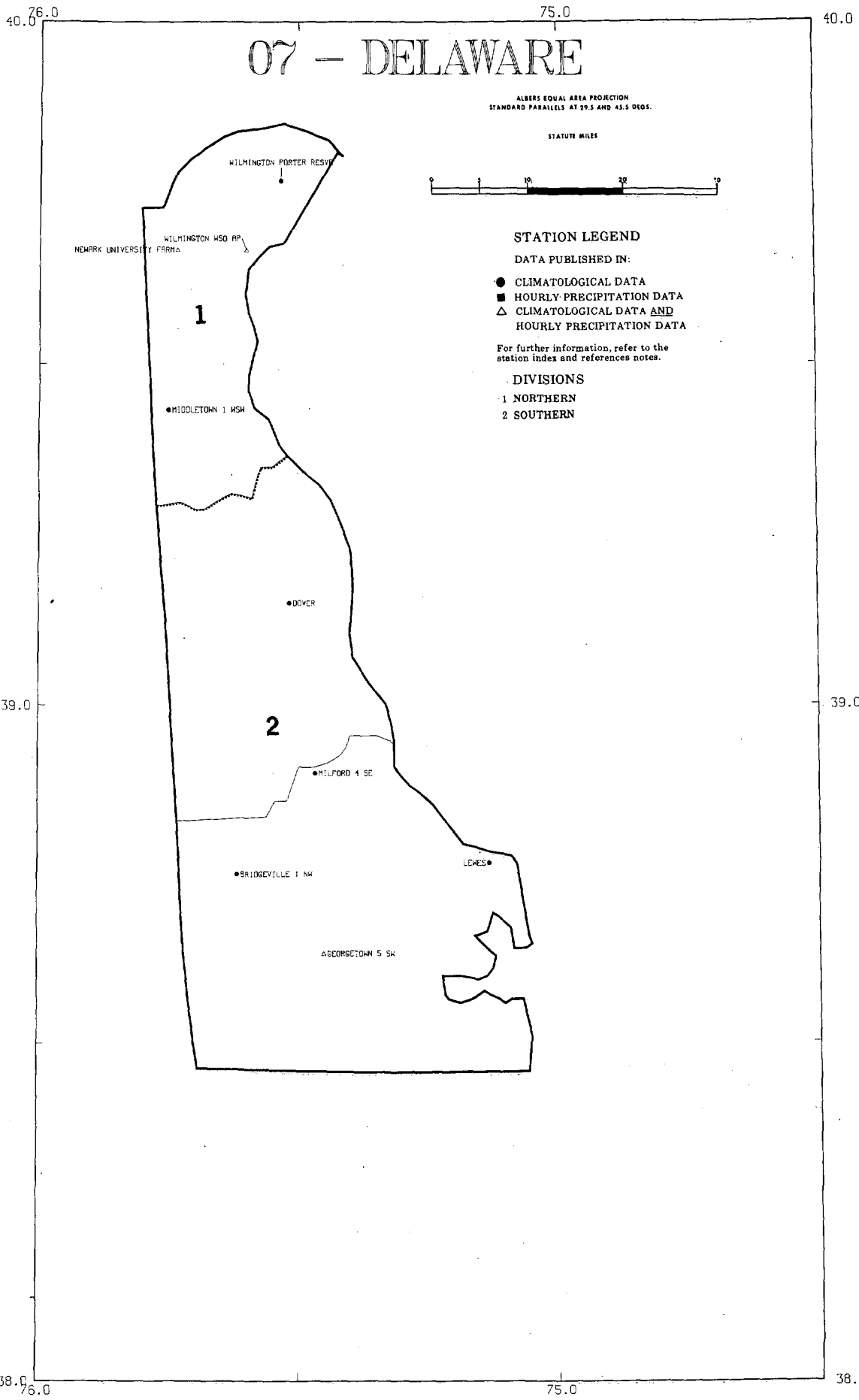
CIRCLE DIAMETER IS PROPORTIONAL TO DEPARTURE ON A CONTINUOUS SCALE

# 18 - MARYLAND & D.C.

ALBERS EQUAL AREA PROJECTION  
STANDARD PARALLELS AT 29.5 AND 45.5 DEGS.

STATUTE MILES





STATION	ANNUAL	MONTH											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
NORTH CAROLINA													
ASHEVILLE WSO AP	34.97	1.11	1.85	2.75	3.57	3.55				4.19	5.28	4.28	
ASHEVILLE	25.57	0.71	1.57	1.81	2.53	2.85			2.77	4.15	2.94		
ASHEFORD	56.74E	1.20	2.70	2.90	3.52E	2.80			2.40	4.90	4.80		
BADIN		1.70	1.30	3.60	2.70				2.40	4.10	2.90		
B EVERETT JORDAN DAM										1.70			
BOOMER 5 WSO		1.00	2.10										
BURLINGTON 3 WSO		0.80	1.92E										
CAPE HATTERAS WSO	48.85	5.25	1.20										
CARTHAGE 8 SE		1.70											
CATALDOCHEE		0.50											
CHARLOTTE WSO AP	25.91												
CLINTON 2 NE	32												
DALTON													
DOBSON													
EDEN													
ELIZABETH													
ELIZABETH													
FRANKLIN													
GREENSBORO													
GREENVILLE													
HELVON													
HICKORY													
LAKE LURE													
LAURINBURG													
LEXINGTON													
MOOREVILLE 2													
MORRISTOWN CITY													
MOUNT PLEASANT													
N WILKESBORO 12													
POLKTON 2 NE													
QUEBEC													
RALEIGH-DURHAM WSO													
ROANOKE RAPIDS													
REARING GAP 1 NW													
SHELBY 2													
SNEADS FERRY 2 ENE													
SUNNYSIDE 2 SSE													
WILMINGTON WSO AP													
WILSON 3 SW													
YADKINVILLE 6 E	28												

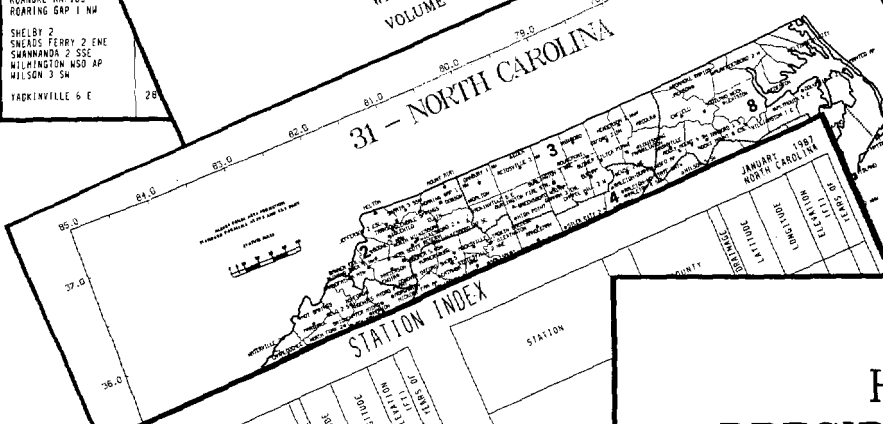
# HOURLY PRECIPITATION DATA

## NORTH CAROLINA

DECEMBER 1987  
WITH ANNUAL SUPPLEMENT  
VOLUME 37 NUMBER 12

A WORLD OF CLIMATIC INFORMATION FOR . . . .

- \* Attorneys
- \* Colleges & Universities
- \* Construction
- \* Consultants
- \* Governmental Agencies
- \* Industry
- \* Insurance Companies
- \* Public Utilities
- \* Research & Development
- \* Energy



STATION	COUNTY	STATE	STATION
NORTH CAROLINA	ALBEMARLE	30011000	30011000
ASHEVILLE WSO AP	ALBEMARLE	30011000	30011000
ASHEVILLE	ALBEMARLE	30011000	30011000
ASHEFORD	ALBEMARLE	30011000	30011000
BADIN	ALBEMARLE	30011000	30011000
B EVERETT JORDAN DAM	ALBEMARLE	30011000	30011000
BOOMER 5 WSO	ALBEMARLE	30011000	30011000
BURLINGTON 3 WSO	ALBEMARLE	30011000	30011000
CAPE HATTERAS WSO	ALBEMARLE	30011000	30011000
CARTHAGE 8 SE	ALBEMARLE	30011000	30011000
CATALDOCHEE	ALBEMARLE	30011000	30011000
CHARLOTTE WSO AP	ALBEMARLE	30011000	30011000
CLINTON 2 NE	ALBEMARLE	30011000	30011000
DALTON	ALBEMARLE	30011000	30011000
DOBSON	ALBEMARLE	30011000	30011000
EDEN	ALBEMARLE	30011000	30011000
ELIZABETH	ALBEMARLE	30011000	30011000
ELIZABETH	ALBEMARLE	30011000	30011000
FRANKLIN	ALBEMARLE	30011000	30011000
GREENSBORO	ALBEMARLE	30011000	30011000
GREENVILLE	ALBEMARLE	30011000	30011000
HELVON	ALBEMARLE	30011000	30011000
HICKORY	ALBEMARLE	30011000	30011000
LAKE LURE	ALBEMARLE	30011000	30011000
LAURINBURG	ALBEMARLE	30011000	30011000
LEXINGTON	ALBEMARLE	30011000	30011000
MOOREVILLE 2	ALBEMARLE	30011000	30011000
MORRISTOWN CITY	ALBEMARLE	30011000	30011000
MOUNT PLEASANT	ALBEMARLE	30011000	30011000
N WILKESBORO 12	ALBEMARLE	30011000	30011000
POLKTON 2 NE	ALBEMARLE	30011000	30011000
QUEBEC	ALBEMARLE	30011000	30011000
RALEIGH-DURHAM WSO	ALBEMARLE	30011000	30011000
ROANOKE RAPIDS	ALBEMARLE	30011000	30011000
REARING GAP 1 NW	ALBEMARLE	30011000	30011000
SHELBY 2	ALBEMARLE	30011000	30011000
SNEADS FERRY 2 ENE	ALBEMARLE	30011000	30011000
SUNNYSIDE 2 SSE	ALBEMARLE	30011000	30011000
WILMINGTON WSO AP	ALBEMARLE	30011000	30011000
WILSON 3 SW	ALBEMARLE	30011000	30011000
YADKINVILLE 6 E	ALBEMARLE	30011000	30011000

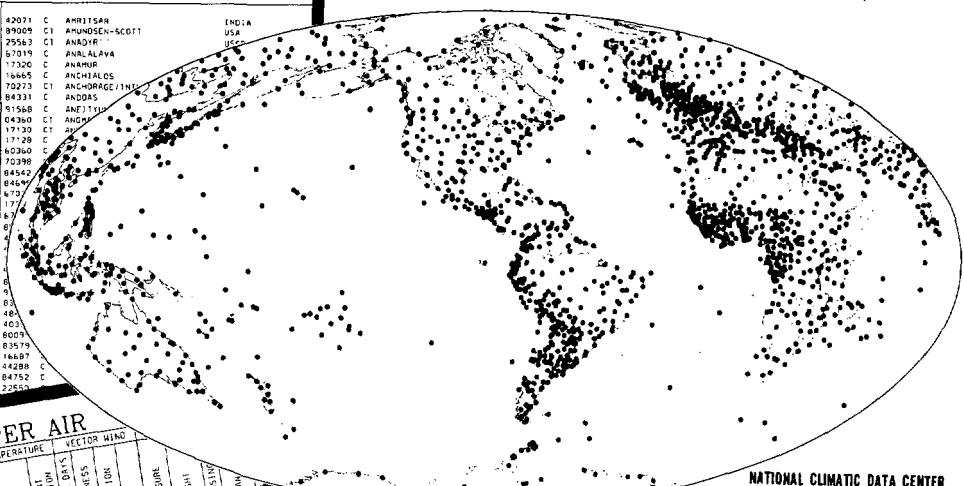
STATION	MONTHLY PRECIPITATION MAXIMA					
	MINUTES	15	30	45	1	2
NORTH CAROLINA	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
ASHEVILLE WSO AP	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
ASHEVILLE	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
ASHEFORD	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
BADIN	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
B EVERETT JORDAN DAM	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
BOOMER 5 WSO	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
BURLINGTON 3 WSO	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
CAPE HATTERAS WSO	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
CARTHAGE 8 SE	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
CATALDOCHEE	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
CHARLOTTE WSO AP	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
CLINTON 2 NE	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
DALTON	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
DOBSON	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
EDEN	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
ELIZABETH	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
ELIZABETH	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
FRANKLIN	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
GREENSBORO	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
GREENVILLE	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
HELVON	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
HICKORY	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
LAKE LURE	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
LAURINBURG	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
LEXINGTON	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
MOOREVILLE 2	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
MORRISTOWN CITY	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
MOUNT PLEASANT	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
N WILKESBORO 12	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
POLKTON 2 NE	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
QUEBEC	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
RALEIGH-DURHAM WSO	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
ROANOKE RAPIDS	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
REARING GAP 1 NW	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
SHELBY 2	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
SNEADS FERRY 2 ENE	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
SUNNYSIDE 2 SSE	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
WILMINGTON WSO AP	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
WILSON 3 SW	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000
YADKINVILLE 6 E	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000	10 28114000

STATION	A.M. HOUR ENDING											
	1	2	3	4	5	6	7	8	9	10	11	12
NORTH CAROLINA	01	01	02	01	01	01	01	01	01	01	01	01
ASHEVILLE WSO AP	06	08	08	08	12	08	12	08	01	01	03	04
ASHEVILLE	08	12	08	01	01	01	01	01	01	01	01	01
ASHEFORD	01	01	01	01	01	01	01	01	01	01	01	01
BADIN	01	01	01	01	01	01	01	01	01	01	01	01
B EVERETT JORDAN DAM	01	01	01									

CLIMATIC DATA STATIONS - WORLDWIDE

STATION LIST WMO PUB 9 VOL A

41246 C	ESGHARI MAJIS	IRAN	42071 C	AMRITSAR	INDIA
40831 C	ABDAN	IRAN ISLAMIC REP	89009 C1	ARNDSEN-SCOTT	USA
47408 C	ADASHIRI	JAPAN	29563 C1	ANDHO	USA
71108 C	ABBOTSFORD, B.C.	CANADA	67019 C	ANALALAVA	USA
64756 C	ABEEN	CHAD	17320 C	ANAMUR	USA
03091 C	ABERDEEN/VOICE	U KINGDOM	14486 C	ANCHALLES	USA
41172 C	ABHA	SAUDI ARABIA	70273 C1	ANCHORAGE/INTL	USA
65578 C1	ABIDJAN	COTE D'IVOIRE	84331 C	ANDRAS	USA
72246 C	ABILENE, TX	USA	91568 C	ANETH/STATION	USA
41216 C	ABU DHABI BAKEN AIRPORT	U ARAB EMIRATES	40360 C1	ANGHI	USA
41217 C1	ABU DHABI INTL AIRPORT	U ARAB EMIRATES	17130 C1	ANGI	USA
62640 C	ABU NAMED	SUDAN	17128 C	ANGI	USA
62795 C	ABU NA'AMA	SUDAN	60360 C		
78650 C	ACAPULCO	MEXICO	70398 C		
76805 C	ACAPULCO, GRO.	MEXICO	84842 C		
80427 C	ACARIGGA	VENEZUELA	84677 C		
17252 C	ADAN	YEMEN	672 C		
63450 C1	ADDIS ABABA	ETHIOPIA	67 C		
94672 C1	ADELAIDE AIRPORT	AUSTRALIA	67 C		
41467 C	ADEN KHORHASAR	YEMEN	67 C		
65985 C	ADRIKE	COTE D'IVOIRE	67 C		
66220 C	ADRAR	ALGERIA	67 C		
76679 C1	AEROP. INTL MEXICO, D.F.	MEXICO	67 C		
76444 C1	AEROP. INTL MEXICO, TAC	MEXICO	67 C		
76394 C1	AEROP. INTL MONTERREY, N.L.	MEXICO	67 C		
87982 C	AEROPARQUE	ARGENTINA	67 C		
17180 C	AFIOW	TURKEY	67 C		
61024 C	AGADEZ	NIGER	67 C		
60250 C	AGADIR	MOROCCO	67 C		
61874 C	AGALEGA	MAURITIUS	67 C		
42261 C	AGRA	INDIA	67 C		
36472 C	AGRINON AIRPORT	GREECE	67 C		
42847 C1	AGRIKOS	INDONESIA	67 C		
60560 C	AJN SEFFA	ALGERIA	67 C		
61499 C	AJOUN EL ATRUSS	MAURITANIA	67 C		
27261 C1	AJACCIO	FRANCE	67 C		
31168 C	AJAN	JAPAN	67 C		
17184 C	AKHISAR	TURKEY	67 C		
42802 C	AKTICA	CZECH REP	67 C		
61437 C	AKTICA	CZECH REP	67 C		



NATIONAL CLIMATIC DATA CENTER



UPPER AIR

ASIA-JAPAN

LEVEL	TEMPERATURE	VECTOR WIND	LEVEL	TEMPERATURE	VECTOR WIND
QNH	QFE	QDM	QNH	QFE	QDM
3000	1000	000	3000	1000	000
2500	750	000	2500	750	000
2000	500	000	2000	500	000
1500	250	000	1500	250	000
1000	000	000	1000	000	000

EUROPE-NORWAY

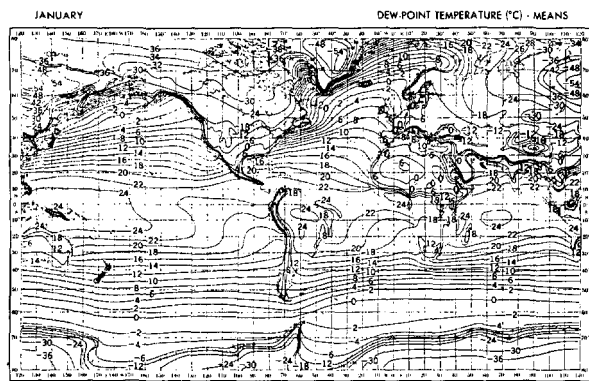
SURFACE

STATION	LATITUDE	LONGITUDE	ELEVATION	MEAN TEMPERATURE	MEAN DEW POINT	VAPOR PRESSURE	PRECIPITATION	SUNSHINE
NORWAY								
OSLO	59.9	18.0	150	1.0	-1.0	10.0	30	160
BERGEN	60.4	5.0	100	1.0	-1.0	10.0	30	160
TRONDHJEM	63.4	15.0	100	1.0	-1.0	10.0	30	160
OSLO GARDERMOEN	59.9	18.0	400	1.0	-1.0	10.0	30	160

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PREPARED IN COOPERATION WITH THE WORLD METEOROLOGICAL ORGANIZATION



MONTHLY CLIMATIC DATA for the WORLD (MCDW) is a publication of monthly summaries of climatic data from around the world. Data are prepared by Members of the World Meteorological Organization for selected stations and exchanged via the Global Telecommunications System in coded format.

Tables of both Surface and Upper Air data are presented. Surface data tables contain elements of pressure, temperature, vapor pressure, precipitation, and sunshine. Upper Air tables contain geopotential heights, temperatures, dew point depressions, and vector winds for ten selected pressure levels between the surface and thirty millibars (hectopascals). A Station List is also provided which, in the January and July editions, contains all stations authorized for publication. In other months the list contains only those stations from which data no more than two months old have been recently received.

Currently, world maps of long term mean temperatures, dew points, and sea level pressures are included on the cover of the MCDW. The maps are generally representative of conditions during the 1950's to mid-1970's, however some data may be from as early as the 1850's.

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