

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

NOVEMBER 1982

VOLUME 86 NUMBER 11



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28801

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NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

ENVIRONMENTAL DATA AND
INFORMATION SERVICE

NATIONAL CLIMATIC CENTER
ASHEVILLE, NORTH CAROLINA

TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND AND
DELAWARE
NOVEMBER 1982

MARYLAND
 HIGHEST TEMPERATURE 87
 LOWEST TEMPERATURE 11
 GREATEST TOTAL PRECIPITATION 6.35
 LEAST TOTAL PRECIPITATION 2.48
 GREATEST 1 DAY PRECIPITATION 2.07
 GREATEST TOTAL SNOWFALL 3.5
 GREATEST DEPTH OF SNOW OR ICE 1

NOVEMBER 2
 NOVEMBER 16

NOVEMBER 29
 NOVEMBER 27

CUMBERLAND 2
 UNIONVILLE
 ROYAL OAK 2 SSW
 MERRILL
 2 STATIONS
 MC HENRY 2 NW
 MC HENRY 2 NW

DELAWARE
 HIGHEST TEMPERATURE 83
 LOWEST TEMPERATURE 19
 GREATEST TOTAL PRECIPITATION 5.59
 LEAST TOTAL PRECIPITATION 3.61
 GREATEST 1 DAY PRECIPITATION 2.33

NOVEMBER 2
 NOVEMBER 28

NOVEMBER 29

LEWES
 WILMINGTON WSO AP R
 MILFORD 2 WSW
 WILMGTON PORTER RESVR
 MILFORD 2 WSW

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
NOVEMBER 1982

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
MARYLAND																							
SOUTHERN EASTERN SHORE 01																							
ASSATEAGUE STATE PARK	62.7	43.0	52.9		75	1	30	27+	360	3	0	0	8	0	3.47		1.72	13	.0	.0	5	3	1
CRISFIELD SOMERS COVE	M	M	M		78	3+	21	16	420	0	0	0	10	0	4.34		1.53	13	M	M	7	4	2
PRINCESS ANNE	62.1	38.9	50.5		80	4+	26	16	399	1	0	0	8	0	4.19	1.10	1.45	13	.0	.0	6	4	2
SALISBURY	62.5	41.4	50.0	2.4	80	4+	26	16	399	1	0	0	8	0	4.19	1.10	1.45	13	.0	.0	6	4	2
SALISBURY FAA AP	61.3	39.5	50.4		78	3+	25	25+	443	1	0	0	11	0	4.13		1.50	13	.0	.0	7	3	2
SNOW HILL 4 N	62.0	39.7	50.9	2.6	80	3	23	25	429	1	0	0	10	0	4.51	.95	1.47	13	.0	.0	5	4	3
-- DIVISIONAL DATA ----->																							
			51.3	2.2											4.13	.92			.0	.0			
CENTRAL EASTERN SHORE 02																							
CAMBRIDGE WTR TRMT PL	62.9	43.1	53.0		79	1	28	8	362	10	0	0	4	0	5.21	1.52	1.80	13	.0	.0	5	4	2
DENTON 2 E	60.9	37.6	49.3	1.5	81	1	21	28	481	16	0	0	11	0	5.16	1.58	1.97	29	.0	.0	5	3	3
ROYAL OAK 2 SSW	60.4	42.4	51.4		79	1	27	16	414	13	0	0	5	0	6.35		2.07	29	.0	.0	6	3	3
VIENNA	61.7	41.1	51.4		79	4	27	16	417	17	0	0	9	0	4.78		1.70	13	.0	.0	5	4	2
-- DIVISIONAL DATA ----->																							
			51.3	2.8											5.38	1.87			.0	.0			
LOWER SOUTHERN 03																							
LA PLATA 1 W	60.2	39.6	49.9	2.5	82	-1	23	16	454	9	0	0	9	0	4.31	1.21	1.72	13	.0	.0	5	4	2
MECHANICSVILLE 1 SE	57.9	37.9	47.9		76	2+	22	25+	509	3	0	0	10	0	5.48		1.65	13	.0	.0	6	4	2
OWINGS FERRY LANDING	62.3	39.4	50.9	2.7	83	1	24	16	427	10	0	0	8	0	4.72	1.45	1.62	29	.0	.0	6	3	2
PATUXENT RIVER	61.3	42.9	52.1		83	1	33	26+	394	12	0	0	0	0	4.43		1.21	13+	.0	.0	5	4	2
SOLOMONS	63.5	43.1	53.3	2.7	81	1	29	16	330	0	0	0	1	0	4.62	1.27	1.87	15	.0	.0	2	2	2
-- DIVISIONAL DATA ----->																							
			50.8	2.6											4.71	1.42			.0	.0			
UPPER SOUTHERN 04																							
ANNAPOLIS POLICE BRKS	59.3	41.2	50.3	2.9	78	1	27	18+	438	1	0	0	9	0	5.11	2.08	2.07	29	.0	.0	5	4	2
BALTIMORE WSO AP	58.6	38.2	48.4	2.3	81	2+	22	16	495	4	0	0	10	0	3.13	.00	.76	4	.0	.0	5	5	0
BELTSVILLE	59.8	36.7	48.3		82	3+	21	16	503	8	0	0	14	0	3.00		1.44	29	.0	.0	3	2	2
COLLEGE PARK	60.1	39.9	50.0	3.1	83	2	22	16	453	13	0	0	9	0	3.12	-1.11	1.56	29	.0	.0	3	2	2
DALECARLIA RESVR D C	61.3	37.4	49.4		85	1	21	17	462	2	0	0	9	0	3.54		1.25	4	.0	.0	4	3	2
GLENN DALE BELL STN	61.3	36.7	49.0	2.8	83	2	18	16	479	6	0	0	10	0	3.33	.02	1.56	29	.0	.0	4	3	1
LAUREL 3 W	60.1	40.0	50.1		83	1	26	16	454	14	0	0	8	0	2.75				.0	.0	3	1	0
NATIONAL ARBORETUM D C	61.2	37.3	49.3		82	3+	23	16	477	10	0	0	14	0	3.35		1.73	29	.0	.0	4	2	1
UPPER MARLBORO 3 NNW	60.8	37.9	49.4		84	2	21	16	481	16	0	0	10	0	4.04		1.97	29	.0	.0	3	3	2
-- DIVISIONAL DATA ----->																							
			49.4	2.8											3.49	.33			.0	.0			
NORTHERN EASTERN SHORE 05																							
CENTREVILLE	63.6	38.5	51.1		82	1	24	17	425	14	0	0	7	0	5.70		2.00	5	.0	.0	4	4	3
CHESTERTOWN	59.2	39.9	49.6	2.1	81	1	26	28+	467	13	0	0	7	0	4.88	1.39	1.93	4	.0	.0	4	3	3
MILLINGTON 2 NNW	60.7	39.1	49.9	3.0	82	1	21	28	459	13	0	0	8	0	4.90	1.46	1.70	13	.0	.0	4	3	3
-- DIVISIONAL DATA ----->																							
			50.2	2.6											5.16	1.73			.0	.0			
NORTHERN CENTRAL 06																							
ABERDEEN PHILLIPS FLD	59.2	41.0	50.1		79	1	22	16	445	5	0	0	7	0	4.04				.0	.0	7	7	1
BALTIMORE WSO CI	59.8	43.9	51.9	2.7	85	1	30	28	403	16	0	0	3	0	3.05	-1.16	1.00	4	M	M	5	3	1
BENSON POLICE BARRACKS	59.4	37.6	48.5		80	1	20	28	492	4	0	0	11	0	3.09		1.29	29	.0	.0	5	3	1
BOYDS 2 NW	58.9	38.3	48.6		82	2	21	16	491	3	0	0	7	0	3.18		1.05	29	.0	.0	4	3	1
CATOCTIN MOUNTAIN PARK	54.3	37.4	45.9		77	2+	15	16	574	6	0	0	13	0	3.19		1.16	29	.0	.0	5	3	1

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
NOVEMBER 1982

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			NO. OF DAYS					
									90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW				TOTAL	MAX. DEPTH ON GROUND	DATE	1.0 OR MORE	.50 OR MORE	1.00 OR MORE			
																						MAX	MIN	
CLARKSVILLE 3 NNE	59.4	36.2	47.8		84	1	17	16	510	1	0	0	1	0	3.06		1.22	29				5	3	1
CONOWINGO DAM	M	M	M																					
DAMASCUS 2 SW	56.7	39.2	48.0		81	2	23	16	510	8	0	0	9	0	3.33		1.97	29				4	4	0
EMMITSBURG 2 SE	58.1	37.0	47.6		80	1	17	16	519	2	0	0	1	0	3.75		1.86	4				4	4	1
FREDRICK POLICE BRKS	59.0	40.7	49.9		82	2	21	28	459	1	0	0	6	0	4.80		2.01	4				4	3	2
PARKTON 2 SW	56.3	34.3	45.3		81	2	18	28	586	4	0	0	4	0	2.96		1.20	4				5	2	1
ROCKVILLE 3 NE	M	M	M																					
TOWSON	58.5	39.0	48.8		81	1	25	29+	486	3	0	0	9	0	3.34		1.61	29				4	3	1
UNIONVILLE	59.5	34.1	46.8	3.4	82	2	11	16	538	1	0	0	1	0	3.06		1.01	29				4	3	1
WESTMINSTER POLICE BRK	57.1	40.1	48.6		80	2	23	28+	492	8	0	0	7	0	2.79		1.23	4				4	2	1
WOODSTOCK	59.1	38.0	48.6	4.1	83	2+	20	16	493	8	0	0	10	0	3.11		1.11	29				4	2	1
--DIVISIONAL DATA-->			48.3	3.1											3.34		1.01							
APPALACHIAN MOUNTAIN 07																								
CUMBERLAND 2	59.8	34.8	47.3		87	2	17	16+	531	7	0	0	14	0	2.58		1.13	29				7	2	1
FROSTBURG 2	51.3	33.3	42.3		77	3	20	26+	675	1	0	0	17	0	3.46		1.21	29				8	2	1
HAGERSTOWN	57.2	39.4	48.3		81	2+	20	16	503	1	0	0	7	0	3.09		1.88	29				5	3	0
HANCOCK FRUIT LAB	59.1	35.8	47.5		83	2	15	17	519	1	0	0	9	0	3.12		1.93	29				5	4	0
--DIVISIONAL DATA-->			46.4	2.7											3.06		1.33							
ALLEGHENY PLATEAU 08																								
MC HENRY 2 NW	50.0	34.0	42.0		73	4+	18	16	684	0	0	4	14	0	3.71		1.13	29				3	5	1
OAKLAND 1 SE	55.0	32.6	43.8	4.4	75	2	12	16	628	0	0	0	16	0	3.12		1.75	28				1	8	0
SAVAGE RIVER DAM	52.8	33.9	43.4		77	3	16	16	644	0	0	0	16	0	3.20		1.21	29				6	2	1
--DIVISIONAL DATA-->			43.1	4.1											3.34		1.21					1	5	
DELAWARE																								
NORTHERN 01																								
MIDDLETOWN 1 WSW	61.9	38.6	50.3		81	4+	22	28+	448	12	0	0	1	0	3.90		1.43	29				4	3	2
NEWARK UNIVERSITY FARM	M	M	M																					
WILMINGTON WSO AP	57.7	37.2	47.5	1.8	79	2+	19	28	519	1	0	0	13	0	3.87		1.34	4				5	4	1
WILMGTON PORTER RESVR	56.9	37.6	47.3	1.8	80	1	25	28+	525	2	0	0	10	0	3.61		1.60	4				4	3	2
--DIVISIONAL DATA-->			48.4	2.6											3.79		1.28							
SOUTHERN 02																								
BRIDGEVILLE 1 NW	61.3	38.2	49.8	2.4	81	4	23	28+	463	14	0	0	9	0	4.72		1.54	29				5	4	2
DOVER	61.9	41.0	51.5	3.3	81	2+	24	28	416	20	0	0	7	0	4.24		1.92	29				4	3	2
GEORGETOWN 5 SW	60.8	38.9	49.9		80	3+	22	28	457	11	0	0	10	0	4.69		1.54	13				4	4	4
LEWES	64.2	42.6	53.4		83	2	26	28	363	22	0	0	8	0	5.02		1.58	29				5	6	4
MILFORD 2 WSW	61.8	40.3	51.1		82	1	23	28	433	22	0	0	9	0	5.59		2.33	29				5	4	2
--DIVISIONAL DATA-->			51.1	3.2											4.85		1.36							

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
NOVEMBER 1982

STATION	TOTAL	DAY OF MONTH														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
MARYLAND																
SOUTHERN EASTERN SHORE 01																
ASSATEAGUE STATE PARK	3.47				.05	.61								1.72		.13
CRISFIELD-SOMERS COVE		-														
PRINCESS ANNE	4.34		.02			.50								1.53		1.16
SALISBURY	4.19					.60								1.45		1.04
SALISBURY FAA AP	4.13				.20	.12								1.50	T	1.00
SNOW HILL 4 N	4.51				T	.71								1.47		1.09
CENTRAL EASTERN SHORE 02																
CAMBRIDGE WTR TRMT PL	5.21															
DENTON 2 E	5.16					1.06								1.80		.65
ROYAL OAK 2 SSW	6.35				.15	1.60								1.94		.32
VIENNA	4.78					.77								1.70		.82
LOWER SOUTHERN 03																
LA PLATA 1 W	4.31				.66	.19								1.72		
MECHANICSVILLE 1 SE	5.48				.10	1.25								1.65		.25
OWINGS FERRY LANDING	4.72		T		.24	.93								1.54		.15
PATUXENT RIVER	4.43															
SOLOMONS	4.62				T	1.27							.01	1.21	.09	.46
UPPER SOUTHERN 04																
ANNAPOLIS POLICE BRKS	5.11				.31	.74								1.41		.02
BALTIMORE WSO AP	3.13				.76								.53	.56		
BELTSVILLE	3.00					.42								1.06		
COLLEGE PARK	3.12				T	.44								1.12		
DALECARLIA RESVR D C	3.54				1.25	.04								.73	.01	
GLENN DALE BELL STN	3.33				.05	.71								.89		
LAUREL 3 W	2.75			*	.97								.42	.42		
NATIONAL ARBORETUM D C	3.35					.45								.82		
UPPER MARLBORO 3 NNW	4.04					.88								1.19		T
NORTHERN EASTERN SHORE 05																
CENTREVILLE	5.70					2.00								1.70		.09
CHESTERTOWN	4.88				1.93	.05							.05	1.14	T	.07
MILLINGTON 2 WNW	4.90			T	T	1.46								1.70		.09
NORTHERN CENTRAL 06																
ABERDEEN PHILLIPS FLD	4.04				T	1.17							*	*	*	1.35
BALTIMORE WSO CI	3.05				1.00								.32	.38		
BENSON POLICE BARRACKS	3.09				.26	.64								.68		
BOYDS 2 NW	3.18				.77	.02								.82		
BRIGHTON DAM	3.70				1.15									.22		
CATOCTIN MOUNTAIN PARK	3.19				.92	.01							.65	.55		
CLARKSVILLE 3 NNE	3.06				.80	.13								.50		
CONOWINGO DAM																
DAMASCUS 2 SW	3.33				.77	.01								.92		
EMMITSBURG 2 SE	3.75				1.86								.04	.45		
FREDRICK POLICE BRKS	4.80				2.01	.02							T	.71		
FREDERICK 3 E	3.50				T	1.18								.69		
PARKTON 2 SW	2.96				1.20									.14	.25	
POTOMAC FILTER PLANT																
ROCKVILLE 3 NE																
TOWSON	3.34				.32	.71								.61		
UNIONVILLE	3.06				.98	.02								.54		
WESTMINSTER POLICE BRK	2.79				1.23	T								.39		
WOODSTOCK	3.11				.99	.09								.49		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (CONT)

MARYLAND AND
DELAWARE
NOVEMBER 1982

STATION	DAY OF MONTH															
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MARYLAND																
SOUTHERN EASTERN SHORE 01																
ASSATEAGUE STATE PARK							T	T	T			.03	.15	.78		
CRISFIELD SOMERS COVE																
PRINCESS ANNE			.01						.10			.12	.15	.75		
SALISBURY				.02					.07			.14	.12	.75		
SALISBURY FAA AP				T					.17		T	.04	.39	.71		
SNOW HILL 4 N				.01					.07			.10	.04	1.02		
CENTRAL EASTERN SHORE 02																
CAMBRIDGE WTR TRMT PL												.03	.14	1.77		
DENTON 2 E							T						.22	1.97		
ROYAL OAK 2 SSW									.05				.23	2.07		
VIENNA									.04				.18	1.28		
VIENNA									.03							
LOWER SOUTHERN 03																
LA PLATA 1 W						T						.03	.50	1.21		
MECHANICSVILLE 1 SE				.03									1.00	1.20		
OWINGS FERRY LANDING													.24	1.62		
PATUXENT RIVER				T			T		.04				.73	.61		
SOLOMONS								T		*		*	*	1.48		
UPPER SOUTHERN 04																
ANNAPOLIS POLICE BRKS					.01		.01		.01	.01		.01	.52	2.07		
BALTIMORE WSO AP					.01				T			T	.69	.58		
BELTSVILLE						.05	.01		.02		T	T		1.44		
COLLEGE PARK							T		T				T	1.56		
DALECARLIA RESVR D C													.44	1.07		
GLENN DALE BELL STN						T			.02				.10	1.56		
LAUREL 3 W					.01								.93			
NATIONAL ARBORETUM D C						.30	.02		.02			.01		1.73		
UPPER MARLBORO 3 NNW									T				T	1.97		
NORTHERN EASTERN SHORE 05																
CENTREVILLE					T				.01				1.40	.50		
CHESTERTOWN						T			.02			T	.46	1.16		
MILLINGTON 2 WNW				.01	T	T			.05				1.40	.19		
NORTHERN CENTRAL 06																
ABERDEEN PHILLIPS FLD							.03		.02				*	1.47		
BALTIMORE WSO CI					.01				.02				.79	.53		
BENSON POLICE BARRACKS						.02			.01		T		.19	1.29		
BOYDS 2 NW				.03		.01							.48	1.05		
BRIGHTON DAM					T				.03				1.10	.55		
CATOCTIN MOUNTAIN PARK				.06	.05	.05	.11		.07				.21	1.16		
CLARKSVILLE 3 NNE						.02			.06				.33	1.22		
CONOWINGO DAM																
DAMASCUS 2 SW				.01	.02	.01	.01		.04				.53	.97		
EMMITSBURG 2 SE				T	T	T	.10		.01				.42	.91		
FREDRICK POLICE BRKS				.04	T	.02	T	.02	.03				.45	1.50		
FREDERICK 3 E					.04	.03	.01	.02	.08					1.47		
PARKTON 2 SW					.03	.02	.03	T	.03		T		.82	.44		T
POTOMAC FILTER PLANT																
ROCKVILLE 3 NE																
TOWSON																
UNIONVILLE						.01	.05		.04				.05	1.61		
WESTMINSTER POLICE BRK						T	.02		.02				.43	1.01		
WOODSTOCK						.04		.01	.03				.32	.80		
									.03				.35	1.11		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
NOVEMBER 1982

STATION	TOTAL	DAY OF MONTH														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
APPALACHIAN MOUNTAIN 07	2.58															
CUMBERLAND 2	3.19				.13	.17								.10		
EDGE MONT	3.46				.11	.76								.58		
FROSTBURG 2	3.09	.02			.11	.28	T				T			.12	T	
HAGERSTOWN	3.12				.85	.05					T		T	.45		
HANCOCK FRUIT LAB	3.12				.70	.05							T	.18		
ALLEGHENY PLATEAU 08	3.71	.07			.27	.57	T							.26	.02	.02
MC HENRY 2 NW	2.48	.05			.35	.45								.11	.01	
MERRILL	3.12				.68	T								.22		.02
OAKLAND 1 SE	3.20	T			.34	.34	T						T	.06	T	T
SAVAGE RIVER DAM																
DELAWARE																
NORTHERN MIDDLETOWN 1 WSW 01	3.90				T	1.30								.92		.08
NEWARK UNIVERSITY FARM M																
WILMINGTON WSO AP R	3.87				1.34	.09								.15	.85	.04
WILMINGTON PORTER RESVR	3.61				1.60									.18	.70	.03
SOUTHERN																
BRIDGEVILLE 1 NW 02	4.72					.52								1.59		.70
DOVER	4.24					.50								1.40		.29
GEORGETOWN 5 SW	4.69					.70								1.54		.87
LEWES	5.02				.03	.40								1.50		.90
MILFORD 2 WSW	5.59					.51								1.92		.58

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (CONT)

MARYLAND AND
DELAWARE
NOVEMBER 1982

STATION	DAY OF MONTH															
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
APPALACHIAN MOUNTAIN CUMBERLAND 2					.12	.09	.25	.56	.03	T			T	1.13		
EDGEMONT					.02	.02	.17	.03	.03	T				1.47		
FROSTBURG 2	T		T	T	.32	.26	.16	.79	.06	.08		.03	T	1.21	.02	
HAGERSTOWN				.06	T	.03	.22		.04				.51	.88		
HANCOCK FRUIT LAB				T	.07	.04	.63	T	T				.52	.93		
ALLEGHENY PLATEAU MC HENRY 2 NW					.12	.32	.30	.15	.15			.33	T	1.13		
MERRILL					.08	.15	.21	.08	.10	.09		.08	.05	.67		
OAKLAND 1 SE SAVAGE RIVER DAM	T	T	T		.16	T	.46	.04	.10			.17	.75	.46		
					.06	.20	.33	.57	.08	.03		.02	.01	1.21	.01	
DELAWARE																
NORTHERN MIDDLETOWN 1 WSW													.17	1.43		
NEWARK UNIVERSITY FARM	R	-	-	-	-	-	-	-	.02	-	-	-	.71	.67		
WILMINGTON WSO AP WILMGTON PORTER RESVR					T		T		T				1.10	T		
SOUTHERN																
BRIDGEVILLE 1 NH				T					.06				.22	1.63		
DOVER									.05				.08	1.92		
GEORGETOWN 5 SW				.01				.01	T			.08	.01	1.47		
LEWES								.01				.50	.10	1.58		
MILFORD 2 WSW				.03				.03	.08			T	.11	2.33		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
NOVEMBER 1982

STATION	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 STATE PARK	MAX	75	73	68	70	66	60	59	63	62	60	68	71	64	54	54	51	59	62	63	62	66	66	60	60	73	68	53	49	62	59	62.7
	MIN	41	60	58	61	46	33	31	32	45	48	52	52	42	32	36	30	33	43	52	53	51	50	50	51	31	30	30	32	47	38	43.0
CRISFIELD SOMERS COVE	MAX																															M
	MIN																															M
PRINCESS ANNE	MAX	77	78	78	77	72	50	57	63	64	59	64	69	68	52	48	51	57	62	59	62	71	65	67	61	50	56	58	46	63	60	62.1
	MIN	51	60	59	62	45	25	23	28	35	44	29	51	42	25	37	21	25	36	48	45	49	44	48	48	22	24	33	26	42	42	38.9
SALISBURY	MAX	78	80	80	80	70	56	57	64	65	57	65	70	67	52	48	51	56	62	59	63	71	67	68	61	49	55	54	44	64	62	62.5
	MIN	53	57	60	62	45	32	28	34	40	45	34	54	42	29	39	26	29	40	48	49	50	45	48	49	28	30	39	28	42	38	41.4
SALISBURY FAA AP	MAX	77	78	78	77	56	50	55	64	64	53	64	70	67	51	46	50	56	60	58	62	70	66	67	60	47	55	53	28	65	59	61.3
	MIN	54	61	61	56	37	29	27	31	40	36	32	58	36	28	33	25	28	39	49	50	46	46	49	36	25	26	30	26	51	37	39.5
SNOW HILL 4 N	MAX	79	79	80	75	70	50	56	64	63	54	63	68	66	52	47	50	57	60	60	62	69	65	69	69	53	56	56	44	64	61	62.0
	MIN	50	58	58	63	45	27	24	28	36	43	30	53	42	28	37	24	26	37	48	50	48	45	49	48	23	26	41	25	43	35	39.7
CENTRAL EASTERN SHORE 02																																
CAMBRIDGE WTR. TRMT PL	MAX	79	76	78	78	75	62	69	65	64	60	62	67	67	51	49	49	52	60	59	63	62	62	66	65	61	55	55	45	66	66	62.9
	MIN	48	54	59	63	44	38	42	28	44	45	42	55	45	37	40	33	31	41	48	46	46	45	50	51	35	30	43	31	41	38	43.1
DENTON 2 E	MAX	81	80	79	80	74	50	57	66	64	55	63	68	68	49	47	50	52	59	56	59	67	63	62	60	46	55	52	41	64	61	60.9
	MIN	53	57	58	61	41	25	24	32	38	41	31	48	40	25	37	22	26	32	39	43	48	41	47	41	23	26	33	21	36	39	37.6
ROYAL OAK 2 SSW	MAX	79	77	77	78	71	49	55	66	63	54	62	68	66	50	48	48	51	62	58	60	61	63	65	60	47	55	53	42	65	59	60.4
	MIN	53	57	60	64	43	36	30	39	43	43	40	56	44	30	41	27	34	35	44	43	51	45	51	47	32	33	42	26	40	39	42.4
VIENNA	MAX	74	75	75	79	75	50	56	63	68	59	63	68	68	50	47	49	54	62	61	59	65	65	65	64	55	57	56	46	66	62	61.7
	MIN	55	69	60	64	45	33	28	39	39	44	35	55	41	29	39	27	30	39	47	43	49	45	45	47	28	32	31	28	40	40	41.1
LOWER SOUTHERN 03																																
LA PLATA 1 W	MAX	82	80	79	78	54	50	52	67	66	55	63	72	68	47	45	49	49	60	55	61	62	66	68	55	47	58	52	41	66	60	60.2
	MIN	49	55	58	54	41	27	27	32	40	45	35	57	37	25	35	23	31	33	43	47	51	49	50	44	24	32	39	28	40	36	39.6
MECHANICSVILLE 1 SE	MAX	76	76	75	75	70	45	50	62	60	56	60	68	67	44	43	46	54	51	55	55	61	62	60	45	52	52	48	64	62	57.9	
	MIN	55	50	55	59	40	30	28	30	34	38	33	54	39	28	34	22	25	30	38	42	49	40	45	45	22	30	38	32	40	33	37.9
OWINGS FERRY LANDING	MAX	83	81	79	76	58	64	68	69	62	62	65	71	70	48	45	50	49	57	55	59	60	69	69	60	49	54	59	56	59	62	62.3
	MIN	51	57	59	54	40	29	26	36	47	43	37	42	40	28	38	24	31	34	44	44	53	45	50	40	25	35	29	25	36	39	39.4
PATUXENT RIVER	MAX	83	79	71	79	54	50	58	68	63	55	62	73	67	51	47	48	54	59	59	63	65	60	59	63	51	58	52	55	69	62	61.3
	MIN	58	60	59	51	37	35	33	39	47	43	44	59	39	35	37	33	34	42	49	49	47	48	52	37	33	33	36	35	43	39	42.9
SOLOMONS	MAX	81	80	80	76	77	49	59	69	69	59	65	68	72	49	52	53	54	60	61	58	58	56	62	66	66	53	56	62	63	63.5	
	MIN	51	59	57	58	42	34	35	40	45	45	43	54	39	35	35	29	37	38	45	46	48	48	47	50	33	39	45	36	41	38	43.1
UPPER SOUTHERN 04																																
ANNAPOLIS POLICE BRKS	MAX	78	75	71	74	59	49	56	68	62	58	60	68	65	50	46	45	50	57	57	59	56	62	61	60	47	56	53	51	66	60	59.3
	MIN	52	55	59	58	42	30	30	38	45	46	42	55	43	31	40	27	27	27	48	45	51	49	51	45	28	30	35	33	32	41	41.2
BALTIMORE WSO AP	MAX	81	81	74	76	51	48	57	67	63	53	62	71	64	46	44	48	47	56	54	56	58	63	63	59	48	56	49	40	64	62	58.6
	MIN	52	53	56	51	30	27	27	35	43	40	34	51	35	27	28	22	28	34	46	46	51	51	50	35	23	34	30	28	38	42	38.2
BELTSVILLE	MAX	78	82	82	78	79	48	48	57	68	64	54	63	72	47	46	45	49	48	58	55	58	59	65	64	64	48	57	46	48	65	59.8
	MIN	48	52	51	59	40	25	24	26	28	44	31	43	44	26	31	21	25	30	40	40	47	47	50	47	23	25	35	24	30	40	36.7
COLLEGE PARK	MAX	77	83	82	79	79	49	50	58	69	65	53	65	72	48	46	45	50	49	59	54	59	60	66	63	56	48	56	47	49	67	60.1
	MIN	49	54	54	62	41	28	26	30	40	46	34	48	45	27	40	22	27	35	42	47	51	51	51	50	25	27	41	26	33	45	39.9
DALECARLIA RESVR D C	MAX	85	81	79	78	60	50	59	70	66	61	62	71	71	45	45	49	50	60	54	59	62	66	65	59	48	57	54	43	67	63	61.3
	MIN	45	52	51	51	38	27	36	30	37	45	34	51	40	25	25	22	21	35	41	34	51	49	48	44	24	33	33	28	27	45	37.4
GLENN DALE BELL STN	MAX	82	83	79	78	60	50	58	67	66	60	63	71	71	48	46	50	50	58	55	58	59	67	66	65	47	56	48	46	67	65	61.3
	MIN	48	52	52	56	40	23	22	26	34	42	32	46	41	22	36	18	24	28	36	44	50	46	50	44	20	34	33	31	34	36	36.7
LAUREL 3 W	MAX	83	81	76	78	52	50	58	67	65	54	61	70	62	46	45	49	59	61	59	58	60	66	62	59	48	55	50	40	65	64	60.1
	MIN	62	57	57	48	33	29	37	39	49	41	39	60	36	34	30	26	30	32	38	45	44	49	49	34	27	35	30	28	38	43	40.0

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
NOVEMBER 1982

STATION	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 D C	MAX	78	82	82	79	79	50	50	58	68	66	54	63	71	60	52	50	50	50	60	55	59	61	69	66	60	48	58	48	47	62	61.2	
	MIN	50	56	55	55	42	28	28	28	34	41	36	37	45	26	28	23	32	32	37	32	45	50	49	50	25	27	27	27	32	42	37.3	
UPPER MARLBORO 3 NNW	MAX	80	84	83	79	79	50	50	58	69	66	55	64	72	48	47	45	50	49	59	55	59	60	67	67	60	48	59	46	48	67	60.8	
	MIN	52	56	56	60	42	28	25	30	42	44	33	36	42	26	33	21	26	30	39	45	46	47	49	50	22	26	35	24	33	39	37.9	
NORTHERN EASTERN SHORE 05																																	
CENTREVILLE	MAX	82	80	79	80	67	50	67	64	65	63	64	69	67	49	49	53	52	62	61	62	67	69	68	58	52	63	60	59	66	62	63.6	
	MIN	51	57	59	58	41	33	27	32	44	45	35	41	39	29	39	27	24	33	39	37	39	40	39	37	36	38	29	36	31	39	38.5	
CHESTERTOWN	MAX	81	79	79	79	54	48	56	65	62	53	62	68	63	47	46	49	50	59	56	59	64	66	65	57	45	55	51	39	61	59	59.2	
	MIN	55	58	59	54	37	33	30	39	46	39	37	53	39	30	35	26	32	34	43	42	50	46	46	36	27	37	28	26	38	42	39.9	
MILLINGTON 2 NNW	MAX	82	81	79	79	69	49	55	66	64	63	61	69	59	51	46	49	51	59	55	60	65	64	66	58	50	56	53	38	62	61	60.7	
	MIN	50	53	60	60	40	30	25	36	40	42	33	57	37	27	39	23	29	40	44	40	50	45	43	46	23	32	33	21	38	38	39.1	
NORTHERN CENTRAL 06																																	
ABERDEEN PHILLIPS FLD	MAX	79	77	76	78	77	46	51	65	62	58	61	68	68	48	45	47	49	57	56	57	60	61	63	61	47	50	49	40	61	59	59.2	
	MIN	52	49	54	60	40	34	30	37	42	41	37	50	45	33	41	22	32	31	43	47	52	51	51	47	30	32	39	31	36	42	41.0	
BALTIMORE WSO CI	MAX	85	80	74	77	53	51	59	70	66	55	63	72	63	47	46	50	51	57	54	58	57	63	62	61	49	56	52	39	64	61	59.8	
	MIN	58	61	62	53	37	34	36	42	54	46	47	55	39	36	35	32	39	41	50	48	52	53	53	36	31	38	33	30	37	48	43.9	
BENSON POLICE BARRACKS	MAX	80	77	73	75	64	50	58	69	65	59	58	65	62	46	45	47	50	60	55	59	57	60	61	60	48	55	59	41	63	60	59.4	
	MIN	49	47	59	60	39	25	26	30	43	42	34	49	42	27	36	22	26	30	40	39	49	49	50	42	22	29	36	20	31	36	37.6	
BOYDS 2 NW	MAX	81	82	77	73	52	50	56	66	63	58	60	70	70	43	42	47	50	57	56	55	62	63	61	58	45	53	53	41	60	62	58.9	
	MIN	51	52	53	48	34	24	25	33	38	43	37	48	37	27	35	21	28	35	44	45	49	51	49	40	25	35	37	27	36	42	38.3	
CATOCTIN MOUNTAIN PARK	MAX	77	77	75	66	49	42	50	62	64	55	54	66	60	37	38	41	51	52	50	50	57	55	59	59	40	49	49	33	54	57	54.3	
	MIN	59	58	55	50	32	28	32	39	45	39	38	47	33	25	30	15	30	35	41	40	45	50	45	30	24	32	30	22	32	40	37.4	
CLARKSVILLE 3 NNE	MAX	84	82	78	71	56	49	58	69	62	55	60	70	70	44	43	48	50	57	53	55	59	63	61	61	47	56	53	43	61	63	59.4	
	MIN	47	45	50	56	38	24	21	27	34	44	30	45	40	22	38	17	23	29	35	45	50	52	50	43	20	28	37	20	36	39	36.2	
CONOWINGO DAM	MAX																															M	
	MIN																																M
DAMASCUS 2 SW	MAX	80	81	75	71	50	46	54	65	62	54	57	68	64	42	41	46	48	56	51	53	59	62	59	57	43	52	51	37	57	61	56.7	
	MIN	55	56	57	50	33	28	31	36	47	43	39	51	36	26	29	23	30	35	44	44	49	51	50	36	26	34	32	26	37	41	39.2	
EMMITSBURG 2 SE	MAX	80	79	77	67	65	47	56	68	65	53	58	70	70	47	45	44	47	55	54	53	60	59	60	59	45	48	52	41	59	60	58.1	
	MIN	54	49	48	54	37	31	20	29	38	43	35	45	40	23	26	17	23	33	42	44	48	51	50	42	35	32	29	19	32	42	37.0	
FREDRICK POLICE BRKS	MAX	81	82	80	74	55	48	55	68	66	60	60	70	70	42	41	44	44	57	54	55	63	62	61	45	50	55	44	61	61	57.0		
	MIN	57	56	55	53	38	34	24	37	46	45	40	49	40	29	35	23	29	35	44	47	50	53	52	43	29	36	40	21	35	45	40.7	
PARKTON 2 SW	MAX	80	81	72	73	50	48	56	68	60	51	57	68	61	42	45	45	46	57	50	54	57	59	58	54	46	51	45	34	62	60	56.3	
	MIN	53	52	52	50	28	22	23	31	39	34	34	45	33	24	25	19	27	31	37	37	48	50	48	29	22	28	21	18	34	36	34.3	
ROCKVILLE 3 NE	MAX																															M	
	MIN																																M
TOWSON	MAX	81	78	72	75	60	47	56	68	64	59	59	68	68	45	44	48	50	57	54	56	57	62	60	60	44	50	53	37	62	60	58.5	
	MIN	49	53	58	58	40	28	29	29	46	40	39	50	38	28	37	26	32	35	44	42	45	47	50	41	26	34	33	25	25	42	39.0	
UNIONVILLE	MAX	81	82	76	74	54	49	56	67	61	53	60	70	70	69	42	47	47	61	53	56	62	63	61	58	46	51	54	40	61	62	59.5	
	MIN	50	46	47	53	35	25	20	25	32	43	33	37	37	22	30	11	22	22	34	44	49	52	45	36	19	27	36	20	36	35	34.1	
WESTMINSTER POLICE BRK	MAX	78	80	76	72	59	44	53	64	62	54	57	68	68	42	41	45	52	55	54	54	57	60	60	58	43	51	51	38	58	59	57.1	
	MIN	60	53	57	55	36	29	33	40	47	41	40	50	40	29	34	23	30	35	43	42	48	51	50	41	26	35	37	23	32	42	40.1	
WOODSTOCK	MAX	83	83	75	76	55	50	57	68	63	55	61	70	70	44	43	50	51	58	52	56	60	62	60	57	47	54	51	37	62	62	59.1	
	MIN	52	50	58	55	37	27	24	30	40	43	36	47	39	25	35	20	27	31	41	45	50	52	50	40	24	29	36	22	34	40	38.0	
APPALACHIAN MOUNTAIN 07																																	
CUMBERLAND 2	MAX	85	87	84	74	44	50	63	71	65	60	60	76	61	40	42	47	57	58	55	51	59	58	70	62	51	56	46	40	52	69	59.8	
	MIN	47	48	51	34	32	23	26	29	45	35	35	38	26	27	17	17	25	38	45	47	48	52	45	27	27	27	25	30	37	40	34.8	
FROSTBURG 2	MAX	70	74	77	75	51	35	39	56	61	55	55	56	61	35	38	34	46	52	48	48	46	54	54	60	43	40	50	35	38	53	51.3	
	MIN	56	54	54	50	28	27	26	29	38	40	25	21	23	26	26	20	21	26	36	40	40	45	49	42	21	20	30	24	26	36	33.3	
HAGERSTOWN	MAX	81	81	76	69	51	47	57	68	62	55	58	71	66	41	41	45	51	56	52	52	61	59	61	58	45	51	50	38	53	61	57.2	
	MIN	59	57	58	50	36	30	28	37	47	43	41	49	37	28	33	20	26	36	39	45	47	52	53	35	25	35	35	24	35	42	39.4	

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DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
NOVEMBER 1982

STATION	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		
HANCOCK FRUIT LAB	MAX MIN	81 50	83 44	82 45	71 47	55 35	47 33	56 20	68 23	65 40	65 43	58 33	74 36	71 37	41 25	42 31	48 18	50 15	55 36	52 36	52 46	63 47	62 52	60 54	59 41	47 22	55 30	54 39	40 21	54 35	64 41	59.1 35.8	
ALLEGHENY PLATEAU 08 MC HENRY 2 NW	MAX MIN	67 54	71 54	73 55	73 45	45 25	29 23	35 24	50 26	57 40	55 40	52 46	60 46	70 26	28 20	38 22	30 18	47 24	50 36	51 40	48 39	48 40	58 48	57 50	59 33	34 20	36 21	45 26	30 23	53 27	50 36	50.0 34.0	
OAKLAND 1 SE	MAX MIN	73 44	75 39	73 44	65 39	40 25	39 25	54 17	60 22	58 45	56 40	62 30	69 30	51 20	41 28	39 25	49 12	53 19	55 36	53 41	51 44	61 47	58 52	64 44	57 28	40 22	50 25	40 28	50 24	57 38	58 38	55.0 32.6	
SAVAGE RIVER DAM	MAX MIN	72 50	75 45	77 46	76 47	50 32	35 29	41 23	54 24	61 30	61 42	52 33	59 35	75 32	35 26	41 28	34 16	44 17	54 28	51 37	51 43	50 43	54 49	55 48	63 41	42 26	39 26	53 29	37 27	38 28	54 36	52.8 33.9	
DELAWARE NORTHERN 01																																	
MIDDLETOWN 1 WSW	MAX MIN	81 52	81 53	76 57	81 61	78 42	48 28	55 24	66 34	62 43	56 42	62 32	71 51	68 37	56 26	46 39	49 22	52 29	57 31	54 43	68 38	64 51	67 48	67 51	64 45	50 24	55 30	54 28	52 22	58 34	59 40	61.9 38.6	
NEWARK UNIVERSITY FARM	MAX MIN																																
WILMINGTON WSO AP	MAX MIN	79 51	79 52	74 56	75 54	54 32	48 28	55 26	65 32	59 40	51 40	59 34	71 50	64 34	44 27	44 26	45 21	50 29	57 30	53 48	58 46	64 51	66 49	64 50	56 32	46 24	53 33	47 25	39 19	55 38	58 40	57.7 37.2	
WILMINGTON PORTER RESVR	MAX MIN	80 47	79 55	73 56	75 52	54 33	43 32	53 34	66 39	56 41	51 35	58 35	68 49	60 35	45 29	44 28	45 25	50 31	56 34	52 45	56 43	66 45	64 47	65 50	56 32	43 29	51 26	47 25	34 25	59 33	58 38	56.9 37.6	
SOUTHERN 02																																	
BRIDGEVILLE 1 NW	MAX MIN	80 52	79 57	80 55	81 62	72 42	47 25	57 24	66 33	63 38	56 42	64 30	71 48	67 40	50 27	47 37	48 23	52 26	60 33	56 43	59 43	68 49	65 43	67 47	62 43	47 24	55 26	50 36	42 23	66 39	61 37	61.3 38.2	
DOVER	MAX MIN	81 56	81 60	78 60	80 61	77 44	49 30	55 27	66 39	65 40	59 43	63 34	70 51	70 40	50 28	48 39	47 28	49 30	60 35	58 46	61 46	65 50	64 44	66 49	63 48	50 26	57 33	55 40	42 24	65 38	63 42	61.9 41.0	
GEORGETOWN 5 SW	MAX MIN	76 55	80 55	80 57	79 57	79 47	50 26	55 25	64 31	64 37	62 45	53 31	64 39	72 41	52 26	51 40	46 25	48 27	54 33	59 43	57 33	60 49	69 44	62 49	68 49	60 24	46 26	56 40	46 24	63 36	63 36	60.8 38.9	
LEWES	MAX MIN	82 57	83 60	78 61	76 63	72 44	64 32	65 29	66 36	67 42	60 45	63 33	71 54	67 42	54 30	63 38	56 30	55 29	58 39	60 50	61 50	68 52	65 48	62 49	61 48	52 30	58 30	57 41	48 26	68 48	65 42	64.2 42.6	
MILFORD 2 WSW	MAX MIN	82 55	81 59	80 60	80 65	75 45	49 25	56 25	66 35	62 40	58 44	64 31	77 53	67 40	50 27	47 39	49 25	53 29	59 34	57 44	59 47	66 51	59 46	68 50	63 47	49 24	56 29	52 38	42 23	67 39	62 40	61.8 40.3	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

EVAPORATION AND WIND

MARYLAND AND
DELAWARE
NOVEMBER 1982

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																																	
UPPER MARLBORO 3 NNW	WIND	7	12	16	34	67	40	8	5	9	23	12	34	10	3	5	15	33	12	0	12	34	13	2	4	5	5	6	3	25	7	17	
	EVAP	8	12	10	10	13	15	17	0	7	11	8	7	23	13	3	13	5	0	3	4	3	2	4	3	12	4	9	6	3	13		
	MAX	72	75	76	75	72	55	51	55	59	60	55	65	62	52	45	48	47	41	54	49	58	57	63	63	55	45	50	45	40	60		
	MIN	50	45	58	60	45	34	34	37	38	45	40	40	48	37	36	34	33	36	36	45	46	51	50	53	35	34	35	33	33	40		
DELAWARE																																	
SOUTHERN 02																																	
GEORGETOWN 5 SW	WIND	82	84	93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	EVAP	15	15	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	MAX	60	62	63	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	MIN	54	55	58	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

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
NOVEMBER 1982

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:																																
APPALACHIAN MOUNTAIN	07																															
FROSTBURG 2	SNOWFALL																															
	SN ON GND																															
ALLEGHENY PLATEAU	08																															
MC HENRY 2 NW	SNOWFALL																															
	SN ON GND																															
OAKLAND 1 SE	SNOWFALL																															
	SN ON GND																															
SAVAGE RIVER DAM	SNOWFALL																															
	SN ON GND																															
DELAWARE:																																
NORTHERN	01																															
WILMINGTON WSO AP	SNOWFALL																															
	SN ON GND																															
	WTR EQUIV																															

SNOWFALL: INCLUDES SNOW AND ICE
 SNOW ON GROUND: INCLUDES SNOW, SLEET, ICE AND HAIL
 WATER EQUIVALENT: GIVEN FOR NWS STATIONS ONLY, WHEN SNOW DEPTH IS 2 INCHES OR MORE.
 SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
NOVEMBER 1982

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 FLD	00195006		HARFORD	39 28	76 10 W	57	16	16		C	H	ROSS AVIATION INC
ANNAPOLIS POLICE BRKS	01993004		ANNE ARUNDEL	38 59	76 30 W	25	17	17				ANNAPOLIS POLICE BRKS
ASSATEAGUE STATE PARK	03330001		WORCESTER	38 14	75 08 W	7	17	17				ASSATEAGUE STATE PARK
BALTIMORE WSO AP	00460004		ANNE ARUNDEL	39 11	76 40 W	196	MID	MID		C	H	NATL WEATHER SERVICE
BALTIMORE WSO CI	00470006		BALTO CITY	39 17	76 37 W	91	MID	MID		C	H	OCHI COMMANDING OFFICER
BELTSVILLE	07000006		PRN GEORGES	39 2	76 53 W	120	8	8		8	C	U S DEPT OF AGRICULTURE
BENSON POLICE BARRACKS	07330006		HARFORD	39 30	76 23 W	365	17	17				MARYLAND STATE POLICE
BOYDS 2 NW	10332006		MONTGOMERY	39 13	77 20 W	580	18	18				HUNTER F STALEY
BRIGHTON DAM	11250006		MONTGOMERY	39 12	77 1 W	330		MID				WASH SUB SANY COMM
CAMBRIDGE WTR TRMT PL	13850002		DORCHESTER	38 34	76 4 W	5	16	16				WASTEWATER TRMT PLANT
CATOCTIN MOUNTAIN PARK	15300006		FREDERICK	39 39	77 29 W	1610	17	17		C	H	CATOCTIN MOUNTAIN PARK
CENTREVILLE	16270005		QUEEN ANNES	39 3	76 4 W	60	17	17				MICHAEL B CATE
CHESTERTOWN	17550005		KENT	39 13	76 4 W	40	23	23				THOMAS W ELIASON JR
CLARKSVILLE 3 NNE	18620006		HOWARD	39 15	76 56 W	365	17	17				UNIVERSITY OF MARYLAND
COLLEGE PARK	19950004		PRN GEORGES	38 59	76 57 W	90	9	9		C	H	UNIVERSITY OF MARYLAND
CONOWINGO DAM	20600006		HARFORD	39 39	76 10 W	40	MID	MID				SUSQUEHANNA ELECTRIC CO
CRISFIELD SOMERS COVE	22150001		SOMERSET	37 59	75 52 W	8	17	17				SOMERS COVE MARINA
CUMBERLAND 2	22820007		ALLEGANY	39 38	78 45 W	700	18	7				TIMOTHY B THOMAS
DALECARLIA RESVR D C	23250004			38 56	77 7 W	146	17	17				U S CORPS OF ENGINEERS
DAMASCUS 2 SW	23350006		MONTGOMERY	39 16	77 14 W	720	19	19				RICHARD W SCHWERDT
DENTON 2 E	25230002		CAROLINE	38 53	75 48 W	50	17	17				ARTHUR REINHOLD
EDGEMONT	27770007		WASHINGTON	39 40	77 33 W	905	7	7				JOHN W HARNE
EMMITSBURG 2 SE	29060006		FREDERICK	39 41	77 18 W	416	17	17				MRS LUCILLE K BEALE
FREDERICK POLICE BRKS	33480006		FREDERICK	39 25	77 26 W	380	17	17				MARYLAND STATE POLICE
FREDERICK 3 E	33550006		FREDERICK	39 24	77 22 W	385	7	7				MISS I MARY STALEY
FROSTBURG 2	34150007		ALLEGANY	39 40	78 56 W	2170	7	7				LEE K CLOSE
GLENN DALE BELL STN	36750004		PRN GEORGES	38 58	76 48 W	150	16	16				USDA PLT INTRODUCT STN
HAGERSTOWN	39750007		WASHINGTON	39 39	77 44 W	660	18	18				HAGERSTOWN RESERVOIR
HANCOCK FRUIT LAB	40300007		WASHINGTON	39 42	78 11 W	428	16	16		C	H	SHARPSBURG RESEARCH C
LA PLATA 1 W	50800003		CHARLES	38 32	77 0 W	140	18	18				C RUSSELL LEVERING
LAUREL 3 W	51110004		PRN GEORGES	39 6	76 54 W	400	MID	MID				WASH SUB SANY COMM
MC HENRY 2 NW	58320008		GARRETT	39 35	79 22 W	2680	8	8		C	H	JOSEPH F JOHENNING
MECHANICSVILLE 1 SE	58650003		ST MARYS	38 26	76 43 W	160	17	17				MRS EDITH R BENNETT
MERRILL	58940008		GARRETT	39 36	79 5 W	1790	9	9				DELWOOD E MERRILL
MILLINGTON 2 WNW	59850005		KENT	39 16	75 52 W	30	17	17				MRS GERALDINE CONNOLLEY
NATIONAL ARBORETUM D C	63500004			38 54	76 59 W	50	8	8				U S NATL ARBORETUM
OAKLAND 1 SE	66200008		GARRETT	39 24	79 24 W	2420	17	17				MS CARA M WEBER
OWINGS FERRY LANDING	67700003		CALVERT	38 41	76 40 W	160	17	17				JAMES E BOURNE JR
PARKTON 2 SW	68440006		BALTIMORE	39 38	76 42 W	600	23	23		C	H	JOHN R FOX
PATUXENT RIVER	69150003		ST MARYS	38 20	76 25 W	38	MID	MID		C		NAVAL WEATHER SERVICE
POTOMAC FILTER PLANT	72720006		MONTGOMERY	39 2	77 15 W	270						POTOMAC WATER FILT PLT
PRINCESS ANNE	73300001		SOMERSET	38 13	75 41 W	20	17	17				MARYLAND ST COLLEGE FRM
ROCKVILLE 3 NE	77050006		MONTGOMERY	39 7	77 6 W	400	16	16				MD NATL CAPITAL PARK
ROYAL OAK 2 SSW	78060002		TALBOT	38 43	76 11 W	10	18	18				JOHN L SWAINE JR
SALISBURY	80000001		WICOMICO	38 22	75 35 W	10	17	17				CITY OF SALISBURY
SALISBURY FAA AP	80050001		WICOMICO	38 20	75 31 W	48	MID	MID				FAA
SAVAGE RIVER DAM	80680008		GARRETT	39 31	79 8 W	1495	8	8		8	C	U S CORPS OF ENGINEERS
SNOW HILL 4 N	83800001		WORCESTER	38 14	75 23 W	2	18	18				CURTIS E SHOCKLEY
SOLOMONS	84050003		CALVERT	38 19	76 27 W	18	8	8				CHESAPEAKE BIOL LAB
TOWSON	88770006		BALTIMORE	39 23	76 34 W	390	18	18				BENDIX FRIEZ
UNIONVILLE	90300006		FREDERICK	39 27	77 11 W	430	18	18		C	H	GEORGE P VON EIFF JR
UPPER MARLBORO 3 NNW	90700004		PRN GEORGES	38 52	76 47 W	98	8	8		8	H	TOBACCO EXP FARM
VIENNA	91400002		DORCHESTER	38 29	75 50 W	12	18	18				DELMARVA POWER & LIGHT

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
NOVEMBER 1982

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER
							LOCAL STD TIME				
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)	
WESTMINSTER POLICE BRK	9440	06	CARROLL	39 33	76 58W	765	17	17			MARYLAND STATE POLICE JOHN A HILTZ
WOODSTOCK	9750	06	BALTIMORE	39 20	76 52W	460	18	18		H	
DELAWARE											
BRIDGEVILLE 1 NW	1330	002	SUSSEX	38 45	75 37W	50	17	17		H	WILLIAM M RAY STATE DIV OF HIGHWAYS UNIV OF DEL SUBSTATION BOARD OF PUBLIC WORKS PIONEER HIBREO CORN CO MRS BERNARD FRANKEL UNIV OF DELAWARE
DOVER	2730	002	KENT	39 9	75 31W	30	17	17		H	
GEORGETOWN 5 SW	3570	002	SUSSEX	38 38	75 27W	45	8	8	8C	H	
LEWES	5320	002	SUSSEX	38 46	75 8W	15	17	17		H	
MIDDLETOWN 1 WSW	5855	001	NEW CASTLE	39 26	75 45W	60	16	16		H	
MILFORD 2 WSW	5915	002	SUSSEX	38 54	75 28W	30	17	17		H	
NEWARK UNIVERSITY FARM	6410	001	NEW CASTLE	39 40	75 44W	90	17	17	17C	H	
WILMINGTON WSO AP	R 9595	001	NEW CASTLE	39 40	75 36W	79	MID	MID		C H J	
WILMGTN PORTER RESVR	9605	001	NEW CASTLE	39 46	75 32W	274	MID	MID		H	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

REFERENCE NOTES

MARYLAND AND
DELAWARE
NOVEMBER 1982

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 - 1941-1970. 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.

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.

LETTERS AND SYMBOLS USED IN THE DATA TABLES

- No record. Data not recorded, determined unreliable by quality control checks, or not received in time for publication. No record in the "Monthly Summarized Data" table and the "Daily Temperature" table is indicated by no entry.
- Blank entries in the "Daily Precipitation" and "Snowfall and Snow on Ground" tables indicate zero precipitation.
- + Precipitation or temperature extremes occurred on one or more previous dates during the month.
- * Gage not read. Precipitation is included in the amount following the asterisks. Time distribution not known. An * preceding the monthly total indicates precipitation amount is being carried forward to next months total, and may include amounts from the previous month(s).
- V Includes total for previous month(s). (See * above)
- // 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)
- M Insufficient or partial data. M is appended to average and/or total values computed with 1-9 daily values missing. (1-7 missing values for Wind and Evaporation). M appears alone if 10 or more daily values are missing. (8 or more for Wind and Evaporation).
- R Amounts from recording gage.
- T Trace. An amount too small to measure.

LETTERS AND SYMBOLS USED IN THE STATION INDEX TABLE

- 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 gage unless indicated by an R.
- G Observations appear in "Soil Temperatures" table.
- J Station also published as a Local Climatological Data publication.
- H Observations appear in "Snowfall and Snow on Ground" table.
- MID Observation time is midnight.
- S Station equipped with storage gage. Precipitation measurements made at irregular intervals are published in the annual issue of this bulletin. Data prior to 1977 are published in the "Storage Gage Precipitation" which was discontinued with the 1976 issue.
- SR Observation time near sunrise.
- SS Observation time near sunset.
- VAR Observation time varies.
- MO Gage read once monthly, usually the last day.
- OC Gage readings vary from a few weeks to several months.
- WI Gage read weekly or irregularly.
- WM Gage read weekly and last day of month.
- # Thermometers located in a rooftop shelter.
- \$3 Maximum and minimum temperatures are the highest and lowest readings for the calendar day taken from hourly observations.

Additional Information regarding the climate of this state may be obtained by writing to the National Climatic Center, Federal Building, Asheville, N. C. 28801, 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 Center. Similar information for regular National Weather Service Offices may be obtained from the "Local Climatological Data" annual publication.

SUBSCRIPTION, PRICE AND ORDERING INFORMATION AVAILABLE THRU:
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SPECIAL WEATHER SUMMARY

W. J. Moyer

State Climatologist of Maryland
University of Maryland
Department of Agronomy
College Park, MD 20742

November 1982 was a cloudy, mild month. Heavy precipitation on the 28th-29th brought monthly totals above normal to much above normal in most parts of Maryland east of the mountains, especially in Eastern Shore, southern Maryland and Delaware; elsewhere, monthly totals were near normal or a little above normal.

Monthly temperatures averaged much above normal, ranging from 2 to 5° above normal. It was the warmest November since 1979 when monthly temperatures also averaged 2 to 5° above normal. The difference was this year's unusually warm temperatures in western Maryland. Oakland's monthly temperature was the warmest since 1948 while at Hancock it was the warmest on a record dating back to 1946. Highest temperatures were mostly in the upper 70's to mid 80's early in the month while the lowest temperatures ranged mostly from the teens to upper 20's on several days, especially the 16th. Cumberland reported the two-state highest temperature, 87° on the 2nd while Oakland reported the lowest, 12° on the 16th. Last year, November's temperatures were near normal.

Precipitation, mostly in the form of rain, ranged between 2.5 and 4 inches, except 4 to over 6 inches in parts of southern Maryland, Eastern Shore, and southern Delaware. The least total reported was 2.48 inches at Merrill, Garrett County while totals over 6 inches were reported at these stations: Hollywood, St. Mary's County, 6.48 inches; Royal Oak, Talbot County, 6.35 inches and Prince Frederick, Calvert County, 6.28 inches. The state average precipitation was 3.91 inches (1951-1980 normal: 3.26 inches) for Maryland and 4.61 inches (1951-1980 normal: 3.38 inches) for Delaware. This was the wettest November since 1977 when Maryland's average precipitation for the month was 5.04 inches and Delaware's, 5.48 inches. Snow was also reported in Maryland on several days. McHenry, Garrett County, reported the maximum snowfall for the State, 3.5 inches. Freezing rain on Sunday the 28th made Thanksgiving Holiday travel difficult in northern and western Maryland.

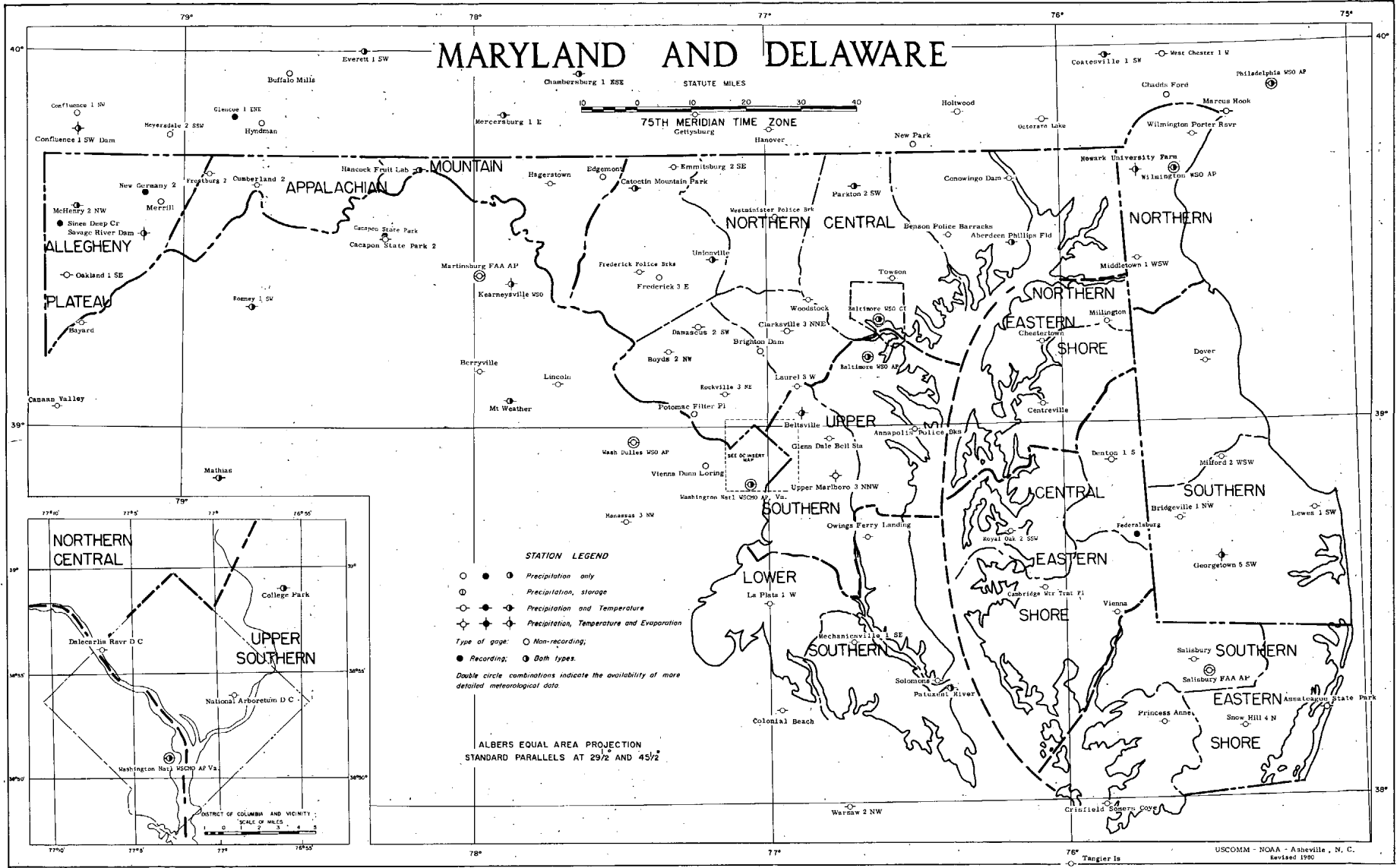
NOTE: Special Weather Summaries are provided by the State Climatologist for inclusion in the published Climatological Data bulletin. These summaries are not included in the archived microfiche copies of the CD bulletin.

MARYLAND AND DELAWARE

STATUTE MILES

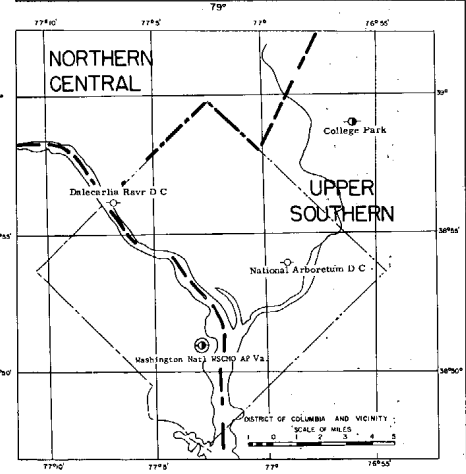


75TH MERIDIAN TIME ZONE



- STATION LEGEND**
- ● Precipitation only
 - ⊙ Precipitation, storage
 - ⊙ ● Precipitation and Temperature
 - ⊙ ● Precipitation, Temperature and Evaporation
- Type of gage: ○ Non-recording;
● Recording; ⊙ Both types.
- Double circle combinations indicate the availability of more detailed meteorological data.

ALBERS EQUAL AREA PROJECTION
STANDARD PARALLELS AT 29 1/2 AND 45 1/2



CLIMATE PUBLICATIONS AVAILABLE FROM THE NATIONAL CLIMATIC CENTER, ASHEVILLE, N.C.

COMPARATIVE CLIMATIC DATA

Presents tables of monthly and annual averages, totals or extreme climate conditions for approximately 300 major population centers. This publication is particularly helpful for comparing temperature, rainfall, snowfall, wind velocities, sunshine, cloudiness and relative humidities for the principal cities. The cities are listed alphabetically by state in two sections: observed data and climatological normals. This is an annual publication.

STORM DATA

Monthly issue presents a chronological listing, by states, of occurrences of storms and unusual weather phenomena, together with data on the paths of individual storms, deaths, injuries, and estimated property damage, and a brief narrative description of each event. A new section in the bulletin entitled "OUTSTANDING STORMS OF THE MONTH" highlights severe weather and includes descriptive photographs of storms, their tracks, and analyzed maps. The December issue includes annual summaries of tornadoes and lightning and North Atlantic tropical cyclones.

MONTHLY CLIMATIC DATA FOR THE WORLD

Contains monthly means of temperature, pressure, precipitation, vapor pressure and sunshine for about 2,500 surface data stations worldwide. Also contains monthly mean upper air temperatures, dew point depressions and wind velocities for ten standard levels.

LOCAL CLIMATOLOGICAL DATA

Published monthly for each first-order station. Presents daily maximum and minimum temperatures, degree day data, precipitation, station pressures, wind statistics, sunshine and sky cover data, as well as 3-hourly data for certain parameters. An annual issue is available summarizing monthly data and including up to 40 years record, and featuring a narrative climatological summary and history of the station.

CLIMATOLOGICAL DATA

Published monthly for each state. Gives daily temperature and precipitation records, and monthly averages and totals, with departures from normal when available. Also derived statistics such as heating and cooling degree days, counts of days equaling or exceeding given temperature and precipitation thresholds, extremes, etc., are published for cooperative and first-order stations. Evaporation and soil temperature data are given for reporting stations. Seasonal snowfall, heating and cooling degree day tables included in selected tables. Annual summary also available.

HOURLY PRECIPITATION DATA

Monthly issue presents daily, hourly and maximum short duration data for the recording gage stations for each state except Alaska. The annual issue tabulates monthly and annual totals, and annual maximum precipitation data by selected time categories.

The collage features several overlapping covers of climate data publications. Visible titles include:

- Comparative Climatic Data** (For the United States, 1980)
- Local Climatological Data** (Annual Summary With Comparative Data, 1980, CHICAGO, ILLINOIS, O'HARE INTERNATIONAL AIRPORT)
- CLIMATOLOGICAL DATA ANNUAL SUMMARY** (JUNE 1981, VOLUME 85, NUMBER 5, CALIFORNIA)
- STORM DATA** (JUNE 1981, VOLUME 23, NUMBER 6)
- MONTHLY CLIMATIC DATA FOR THE WORLD** (Sponsored by World Meteorological Organization)
- HOURLY PRECIPITATION DATA ANNUAL SUMMARY** (JANUARY 1981, VOLUME 31, NUMBER 1, NEW YORK)

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