

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

JUNE 1984

VOLUME 88 NUMBER 6



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28801

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ASHEVILLE NORTH CAROLINA

TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND AND
DELAWARE
JUNE 1984

MARYLAND
HIGHEST TEMPERATURE 100
LOWEST TEMPERATURE 33
GREATEST TOTAL PRECIPITATION 5.22
LEAST TOTAL PRECIPITATION .67
GREATEST 1 DAY PRECIPITATION 2.22

DELAWARE
HIGHEST TEMPERATURE 104
LOWEST TEMPERATURE 41
GREATEST TOTAL PRECIPITATION 5.49
LEAST TOTAL PRECIPITATION 1.44
GREATEST 1 DAY PRECIPITATION 1.75

JUNE 13
JUNE 2

JUNE 30

JUNE 9
JUNE 16+

JUNE 18

BALTIMORE WSO CI R
OAKLAND 1 SE
OAKLAND 1 SE
ROCKVILLE 1 NE
SALISBURY FAA AP

MIDDLETOWN 1 WSW
2 STATIONS
NEWARK UNIVERSITY FARM
GEORGETOWN 5 SW
WILMINGTON PORTER RESVR

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
JUNE 1984

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 SLFET			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
MARYLAND																								
SOUTHERN EASTERN SHORE 01																								
ASSATEAGUE STATE PARK	82.9	62.3	72.6		92.14	48	1		7	245	5	0	0	0	2.83		1.42	30	.0	0		3	3	1
PRINCESS ANNE	85.5	61.0	73.3	1.6	94.8	43	3		10	264	8	0	0	0	2.06	-1.35	1.63	30	.0	0		3	1	1
SALISBURY	84.6	63.9	74.3	1.7	93.8	49	3+		4	291	8	0	0	0	4.33	.71	2.05	30	.0	0		7	2	1
SALISBURY FAA AP	84.5	63.8	74.2	2.6	95.8	47	3		10	290	8	0	0	0	5.02	1.47	2.22	30	.0	0		8	4	1
SNOW HILL 4 N	85.6	62.4	74.0	2.4	96.8	46	3+		6	285	8	0	0	0	2.99	1.25	1.53	30	.0	0		5	2	1
--DIVISIONAL DATA-->			73.7	1.7											3.36	1.07			.0	0				
CENTRAL EASTERN SHORE 02																								
CAMBRIDGE WTR TRMT PL	86.1	65.1	75.6	3.1	95.14+	50	3		1	326	9	0	0	0	2.12	-1.45	.45	24	.0	0		8	0	0
DENTON 2 E	86.3	60.7	73.5	.9	95.13+	42	4+		12	272	10	0	0	0	3.49	1.17	.75	30+	.0	0		5	5	0
ROYAL OAK 2 SSW	83.9	65.4	74.7	1.2	91.13+	52	3+		2	299	7	0	0	0	3.71	1.28	.95	6	.0	0		8	3	0
VIENNA	86.6	64.5	75.6	2.6	95.7	50	1		4	324	10	0	0	0	2.45	1.11	.58	25	.0	0		6	1	0
--DIVISIONAL DATA-->			74.9	2.0											2.94	1.54			.0	0				
LOWER SOUTHERN 03																								
LA PLATA 1 W	82.7	62.8	72.8	1.2	91.8	44	1		10	250	4	0	0	0	2.56	-1.22	.91	14	.0	0		5	2	0
MECHANICSVILLE 1 SE																								
OWINGS FERRY, LANDING	84.0	66.4	75.2		94.13	52	1		2	316	8	0	0	0	1.77		.50	29	.0	0		7	1	0
PATUXENT RIVER																								
--DIVISIONAL DATA-->			74.0	1.6											2.17	-1.46			.0	0				
UPPER SOUTHERN 04																								
ANNAPOLIS POLICE BRKS	86.1	65.2	75.7		95.11	47	1		4	330	11	0	0	0	2.08		.72	7	.0	0		4	2	0
BALTIMORE WSO AP	84.5	62.3	73.4	1.2	95.13+	44	1		9	268	9	0	0	0	1.65	-2.11	.66	30	.0	0		4	2	0
BELTSVILLE	84.0	61.2	72.6	2.3	95.14+	43	1		16	248	10	0	0	0	1.36	-2.53	.54	19	.0	0		5	1	0
COLLEGE PARK	85.9	63.7	74.8	1.9	97.9	45	1		12	311	13	0	0	0	1.13	-2.72	.62	29	.0	0		3	1	0
DALECARLIA RESVR D C	86.4	63.9	75.2	2.4	97.8	49	1		4	319	11	0	0	0	1.76	-1.92	.64	19	.0	0		6	1	0
GLENN DALE BELL STN	86.3	59.6	73.0	1.8	98.9	40	1		12	256	9	0	0	0	2.01	-1.86	.81	19	.0	0		4	1	0
LAUREL 3 W																								
NATIONAL ARBORETUM D C	85.6	61.7	73.7	.3	96.10+	42	1		17	283	13	0	0	0	.95	-3.00	.37	19	.0	0		4	0	0
UPPER MARLBORO 3 NNW	84.6	61.3	73.0		95.14+	44	1		13	260	10	0	0	0	1.69	-2.15	.45	19	.0	0		6	0	0
--DIVISIONAL DATA-->			73.9	2.0											1.58	-2.22			.0	0				
NORTHERN EASTERN SHORE 05																								
CENTREVILLE																								
CHESTERTOWN	85.2	63.6	74.4	2.1	97.8	48	1		7	296	10	0	0	0	2.01	-2.23	.63	14	.0	0		6	2	0
MILLINGTON 2 NNW																								
--DIVISIONAL DATA-->			74.4	2.3											2.01	-1.85			.0	0				
NORTHERN CENTRAL 06																								
ABERDEEN PHILLIPS FLD	86.5	59.8	73.2		94.8+	42	1		10	270	6	0	0	0	3.13		1.10	14	.0	0		3	1	1
BALTIMORE WSO CI	87.8	68.5	78.2	2.9	100.13+	54	1		0	400	14	0	0	0	2.49	-1.22	1.61	30	.0	0		4	1	1
BENSON POLICE BARRACKS	85.2	57.8	71.5	.9	95.14+	43	1		15	219	10	0	0	0	3.47	1.83	1.47	14	.0	0		7	2	2
BOYDS 2 NW	83.9	61.5	72.7		94.13+	45	1		9	248	8	0	0	0	1.01		.44	24	.0	0		2	0	0
CATOCTIN MOUNTAIN PARK	78.2	60.9	69.6		87.13+	49	1		23	170	0	0	0	0	2.98		1.10	19	.0	0		7	2	1
CLARKSVILLE 3 NNE	85.7	59.0	72.4		97.8	40	1		15	243	9	0	0	0	2.34		1.03	30	.0	0		4	2	1
CONOWINGO DAM	81.9	60.9	71.4	.8	97.9	45	1		16	213	6	0	0	0	4.11	1.18	1.28	18	.0	0		6	3	2
DAMASCUS 2 SW	82.6	60.8	71.7		92.13+	44	1		14	226	6	0	0	0	1.25		.44	24	.0	0		3	0	0

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
JUNE 1984

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	.10 OR MORE	.50 OR MORE	1.00 OR MORE	
EMMITSBURG 2 SE FREDRICK POLICE BRKS	83.7 86.2	57.6 63.2	70.7 74.7		94.10 96.14	42 46	1 1		15 7	193 305	7 11	0 0	0 0	0 0	3.56 2.10		1.85 1.00	19 24	.0 0	0 0			5 5	2 1	1 1
PARKTON 2 SW ROCKVILLE 1 NE	81.4 87.9	57.5 65.1	69.5 76.5		93.9 97.8	42 46	1 1		25 6	165 360	7 15	0 0	0 0	0 0	2.31 2.67		.52 1.32	24 24	.0 0	0 0			7 3	1 0	0 0
TOWSON UNIONVILLE	85.5 M			5.0 M	96.9 M						9	0	0	0	2.15 -1.89		.68 -1.89	24 24	.0 0	0 0			6 3	1 0	0 0
WESTMINSTER POLICE BRK WOODSTOCK	84.9 86.0	62.3 60.8	73.6 73.4	3.7 3.1	98.8 95.13+	50 42	1 1		8 9	273 267	9 9	0 0	0 0	0 0	2.42 1.86	-1.67 -2.17	.82 .59	19 25	.0 0	0 0			5 4	3 1	0 0
--DIVISIONAL DATA----->			72.8	2.0											2.39	-1.66			.0						
APPALACHIAN MOUNTAIN																									
CUMBERLAND 2 FROSTBURG 2	86.8 78.0	57.7 50.6	72.3 64.3	1.9 M	97.13 88.14	45 39	1 27		5 74	232 62	11 0	0 0	0 0	0 0	2.52 2.34	-1.26 .89	1.29 .89	30 25	.0 0	0 0			4 6	2 2	1 0
HAGERSTOWN HANCOCK FRUIT LAB	84.8 M	56.4 M	70.6 M	2.1 M	94.13	43	4		12	187	9	0	0	0	2.17	-1.69	.74	24	.0 M	0 M			6	1	0
--DIVISIONAL DATA----->			69.1	-.4											2.34	-1.41			.0						
ALLEGHENY PLATEAU 08 MC HENRY 2 NW	78.2 81.0	55.4 51.2	66.8 66.1		87.13 88.14+	40 33	1 2		51 53	111 94	0 0	0 0	0 0	0 0	3.83 5.22		1.50 1.40	25 19	.0 0	0 0			6 9	3 3	2 2
OAKLAND 1 SE SAVAGE RIVER DAM	81.0	54.7	67.9	2.5	89.10	39	1		35	129	0	0	0	0	2.50	-1.00	.71	25	.0	0			7	2	0
--DIVISIONAL DATA----->			66.9	2.9											3.85	-.29			.0						
DELAWARE NORTHERN																									
MIDDLETOWN 1 WSW NEWARK UNIVERSITY FARM	85.5 85.0	60.6 61.0	73.1 73.0		104.9 95.12+	45 41	1 1		13 10	261 258	9 9	0 0	0 0	0 0	3.32 5.49		.85 1.74	14 30	.0 0	0 0			5 8	4 5	0 2
WILMINGTON WSO AP WILMGTN PORTER RESVR	84.3 84.1	63.2 62.0	73.8 73.1	2.6 2.7	96.9 95.13	46 49	1 1		5 5	276 251	7 9	0 0	0 0	0 0	4.54 5.02	1.03 1.02	.94 1.75	18 18	.0 0	0 0			9 9	4 4	0 1
--DIVISIONAL DATA----->			73.3	2.1											4.59	.90			.0						
SOUTHERN 02 BRIDGEVILLE 1 NW	85.8 M	62.5 M	74.2 M	2.2 M	96.13+	47	1		7	288	9	0	0	0	3.27	-.49	1.44	30	.0 M	0 M			7	2	1
DOVER GEORGETOWN 5 SW	83.2 75.8	61.2 60.4	72.2 68.1	.7 -2.6	94.10 94.4	46 41	3 16		15 81	237 182	7 5	0 0	0 0	0 0	1.44 1.68	-2.15 -2.02	.55 .90	17 17	.0 0	0 0			3 4	1 1	0 0
--DIVISIONAL DATA----->			71.5	-.3											2.13	-1.52			.0						

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
JUNE 1984

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	2.83	.02		.01												
PRINCESS ANNE	2.06							.05								
SALISBURY	4.33															
SALISBURY FAA AP	5.02						.12						.02			
SNOW HILL 4 N	2.55	.03													T	
CENTRAL EASTERN SHORE 02																
CAMBRIDGE WTR TRMT PL	2.12							.29					.17			.03
DENTON 2 E	3.49							.73								
ROYAL OAK 2 SSW	3.71						.95								.79	
VIENNA	2.45							.06								
LOWER SOUTHERN 03																
LA PLATA 1 W	2.56	.03						.04							.91	
MECHANICSVILLE 1 SE	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OWINGS FERRY LANDING	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PATUXENT RIVER	1.77						.05							.12		
UPPER SOUTHERN 04																
ANNAPOLIS POLICE BRKS	2.08							.72								
BALTIMORE WSO AP	1.65						.13	T								
BELTSVILLE	1.36							T								
COLLEGE PARK	1.13		T					T			T					T
DALECARLIA RESVR D C	1.76	.10														
GLENN DALE BELL STN	2.01															
LAUREL 3 W	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NATIONAL ARBORETUM D C	.95															
UPPER MARLBORO 3 NNW	1.69							.15								T
NORTHERN EASTERN SHORE 05																
CENTREVILLE	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHESTERTOWN	2.01						.08								.63	
MILLINGTON 2 WNW	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTHERN CENTRAL 06																
ABERDEEN PHILLIPS FLD	3.13		*	*			.25				*				1.10	
BALTIMORE WSO CI	2.49															
BENSON POLICE BARRACKS	3.47														1.47	
BOYDS 2 NW	1.01														T	
BRIGHTON DAM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CATOCTIN MOUNTAIN PARK	2.98															
CLARKSVILLE 3 NNE	2.34						.01					.41				
CONOWINGO DAM	4.11						.09	.09				.11		.95		
DAMASCUS 2 SW	1.25	.05				T	T									
EMMITTSBURG 2 SE	3.56						T					.02			.05	
FREDRICK POLICE BRKS	2.10						.02								.04	
FREDERICK 3 E	1.56	T	T					T					T		.06	
PARKTON 2 SW	2.31						T							.14		
POTOMAC FILTER PLANT	1.72	T														
ROCKVILLE 1 NE	.67	.03					.17									
TOWSON	2.15						.01	.01	.05		.25				.33	
UNIONVILLE	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WESTMINSTER POLICE BRK	2.42														.62	
WOODSTOCK	1.86						.02									

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (CONT)

MARYLAND AND
DELAWARE
JUNE 1984

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		.83	.55												1.42	
PRINCESS ANNE									.16	.05	.17				1.63	
SALISBURY	.49	.57		.44					.05	.08	.13		.40	.12	2.05	
SALISBURY FAA AP	.51	.54	.01	.39					.16	.02	.19		.84		2.22	
SNOW HILL 4 N	.37	.60		.11					.02	.05	.06		.16		1.15	
CENTRAL EASTERN SHORE 02																
CAMBRIDGE WTR TRMT PL	.29	.25		.14					.45	.10	.01			.09	.30	
DENTON 2 E		.62	.03	.75					.57	.04					.75	
ROYAL OAK 2 SSW	.23	.27	T	.29					.29	.02	T			.18	.69	
VIENNA		.41	.48	.48					.10	.58					.34	
LOWER SOUTHERN 03																
LA PLATA 1 W	.14	.03							.28		.02		.49		.62	
MECHANICSVILLE 1 SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OWINGS FERRY LANDING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PATUXENT RIVER	.16	.26	T						.25	.10	T		.05	.50	.28	
UPPER SOUTHERN 04																
ANNAPOLIS POLICE BRKS	.03	.05		.67					.33	.06		.05			.17	
BALTIMORE WSO AP	T	.01	.19	.04				T	.50	.09			T	.03	.66	
BELTSVILLE		.10	.02	.54						.13				.44	.13	
COLLEGE PARK	T	T	T	.36					T	.15	T			.62		
DALECARLIA RESVR D C	.08	.19		.64					.12		.07		.28		.28	
GLENN DALE BELL STN		.06		.81					.25	.09				.45	.35	
LAUREL 3 W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NATIONAL ARBORETUM D C		.29	.02	.37						.10					.17	
UPPER MARLBORO 3 NNW		.25		.45						.26				.35	.23	
NORTHERN EASTERN SHORE 05																
CENTREVILLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CHESTERTOWN		.10	.12	.12					.52	.08			.01		.35	
MILLINGTON 2 NNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NORTHERN CENTRAL 06																
ABERDEEN PHILLIPS FLD	*	*	.15	.48				*	*	1.07	.08				*	
BALTIMORE WSO CI			.20	.05					.47	.16					1.61	
BENSON POLICE BARRACKS		.17	.15	.33					1.02	.13	.12		T		.08	
BOYDS 2 NW	.02	.03	.02	.41				.02	.44	.02	.01				.04	
BRIGHTON DAM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CATOCTIN MOUNTAIN PARK	.03	.13	.35	1.10					.61	.16	.02				.17	
CLARKSVILLE 3 NNE	.01	T	.05	.73				T	.19	.29	.03				1.03	
CONOWINGO DAM			1.28	.34					1.11	.12					.02	
DAMASCUS 2 SW	.04	T	.06	.38					.44	.15	.04				.05	
EMMITTSBURG 2 SE	T	.10	.20	1.85				.04	.90	.02					.41	
FREDRICK POLICE BRKS	T	.09	.11	.48				.01	1.00	.13					.09	
FREDERICK 3 E		.07	.14	.34				.14	.19	.70					.06	
PARKTON 2 SW		.24	.45	.45				T	.52	.28	.02		T		.21	
POTOMAC FILTER PLANT	T	.07	1.19	.20					.22					.04		
ROCKVILLE 1 NE	.02	T	.01	.15					.22		.01				.06	
TOWSON		.04	.05	.30	.27			.01	.68	.01	.12				.02	
UNIONVILLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WESTMINSTER POLICE BRK	T		.10	.82					.66	.10	.07				.05	
WOODSTOCK	T	.06	.05	.42					.25	.59	.06				.41	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
JUNE 1984

STATION	TOTAL	DAY OF MONTH														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
APPALACHIAN MOUNTAIN 07																
CUMBERLAND 2	2.52		.03												.04	
EDGEMONT	3.42		.02										.07			
FROSTBURG 2	2.34		.13		T			T							.46	.01
HAGERSTOWN	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HANCOCK FRUIT LAB	2.17														.02	
ALLEGHENY PLATEAU 08																
MC HENRY 2 NW	3.83		.04												.14	
MERRILL	3.14						.14								.36	
OAKLAND 1 SE	5.22		.05									.28		.05		.01
SAVAGE RIVER DAM	2.50		.10		T			T					T		.30	
DELAWARE																
NORTHERN 01																
MIDDLETOWN 1 WSW	3.32							.05							.85	
NEWARK UNIVERSITY FARM	5.49			.19				.32							.85	
WILMINGTON WSO AP	4.54			.10			.24							.85	.01	
WILMGTN PORTER RESVR	5.02			.12			.28					T		.50	.04	
SOUTHERN 02																
BRIDGEVILLE 1 NW	3.27							.14								
DOVER	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEORGETOWN 5 SW	1.44		T					.02								
LEWES	1.68							.03								

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (CONT)

MARYLAND AND
DELAWARE
JUNE 1984

STATION	DAY OF MONTH															
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
APPALACHIAN MOUNTAIN 07																
CUMBERLAND 2			.28	.14	T				.04	.65	.02		.03		1.29	
EDGEMONT		.02	.40	1.84				.08		.84	.07				.08	
FROSTBURG 2		T	.03	.13	T				T	.89	.04		.14		.51	
HAGERSTOWN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HANCOCK FRUIT LAB		.12	.43	.34					.74	.14			.04		.34	
ALLEGHENY PLATEAU 08																
MC HENRY 2 NW			T	1.12						1.50	.13		.28		.62	
MERRILL			.28	.92						.89	.03		.19		.33	
OAKLAND 1 SE	.39			1.40			T	.35	.31	.23	.16		.63		1.36	
SAVAGE RIVER DAM		T	.02	.53	T				T	.71	.18		.19		.47	
DELAWARE																
NORTHERN 01																
MIDDLETOWN 1 WSW			.71	.71					.80						.20	
NEWARK UNIVERSITY FARM		1.20	.77	.73	.03				1.30	.10						
WILMINGTON WSO AP	R	.37	.94	.25				T	.82	.24					.72	
WILMINGTON PORTER RESVR		.19	1.75	.73					.87	.40			T		.14	
SOUTHERN 02																
BRIDGEVILLE 1 NW	T	.43	.21	.54					.20	.23			.08		1.44	
DOVER																
GEORGETOWN 5 SW		.55	.05	.41						.41						
LEWES	.01	.90	.10	.44					.01	.09					.10	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
JUNE 1984

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	72	80	80	91	90	80	87	90	89	87	80	88	92	90	78	78	84	86	82	80	79	79	80	87	85	78	76	81	82	82.9	
	MIN	48	49	50	66	58	65	61	65	73	64	64	64	71	63	65	59	61	57	58	68	64	58	68	69	69	60	63	64	66	60	62.3	
	OBS					73	50																										
PRINCESS ANNE	MAX	75	76	82	82	81	87	90	94	92	92	89	92	92	91	90	80	80	86	86	87	84	83	83	80	82	80	88	88	86	87	85.5	
	MIN	45	48	43	52	51	64	70	68	65	73	69	69	67	75	68	56	50	55	68	60	59	54	53	61	69	55	88	70	63	69	61.0	
SALISBURY	MAX	72	78	81	83	82	87	91	93	92	91	91	92	92	91	85	78	71	84	87	87	82	80	81	79	84	82	87	86	84	84	84.6	
	MIN	49	56	49	56	57	67	72	71	75	74	74	73	69	76	71	58	58	65	69	60	62	58	58	64	67	56	52	67	65	69	63.9	
SALISBURY FAA AP	MAX	70	76	81	82	84	88	93	95	93	93	92	93	94	89	82	66	72	86	85	85	81	83	84	81	86	80	90	84	85	83	84.5	
	MIN	49	50	47	55	55	65	73	73	74	73	72	71	69	73	60	59	60	67	68	65	63	59	58	65	66	58	58	70	67	73	63.8	
SNOW HILL 4 N	MAX	71	77	83	85	85	88	93	96	94	94	94	93	95	91	86	80	71	84	87	87	81	82	83	82	84	82	88	84	84	84	85.6	
	MIN	46	54	46	53	56	63	71	69	72	71	68	71	67	72	66	57	60	65	70	64	60	54	55	61	67	55	53	72	63	70	62.4	
CENTRAL EASTERN SHORE 02																																	
CAMBRIDGE WTR TRMT PL	MAX	72	78	82	83	85	89	92	94	93	94	94	95	94	95	90	78	74	85	88	88	84	84	83	82	81	82	88	88	85	84	86.1	
	MIN	56	59	50	62	57	65	68	71	71	72	72	69	72	75	68	59	58	57	69	70	65											65.1
DENTON 2 E	MAX	75	79	83	86	85	91	93	94	95	94	95	90	95	93	84	82	70	84	90	86	81	85	86	81	84	83	89	86	86	84	86.3	
	MIN	45	55	42	42	55	54	67	68	68	71	71	70	70	71	63	54	52	65	69	62	59	56	59	63	67	53	55	72	60	62	60.7	
ROYAL OAK 2 SSW	MAX	73	78	83	81	81	89	91	91	91	91	91	90	91	89	81	75	73	84	88	84	82	81	81	79	82	81	87	82	83	83	83.9	
	MIN	52	60	52	55	62	66	66	70	75	76	75	73	76	71	68	59	59	67	69	64	63	61	66	69	70	58	59	72	63	67	65.4	
VIENNA	MAX	72	80	84	88	85	88	95	92	93	93	92	94	94	94	91	80	74	87	91	88	84	86	84	80	86	85	87	87	84	81	86.6	
	OBS																																
	MIN	50	58	54	56	58	68	69	72	73	73	72	72	72	74	66	58	58	67	69	64	60	58	62	65	68	58	58	73	62	68	64.5	
LOWER SOUTHERN 03																																	
LA PLATA 1 W	MAX	69	78	83	81	82	89	88	91	90	90	89	89	90	87	77	73	70	87	85	83	79	80	80	80	80	79	88	86	80	79	82.7	
	MIN	44	48	53	51	52	69	69	67	73	71	71	70	72	70	63	61	62	67	70	63	58	61	61	67	67	55	58	63	61	67	62.8	
MECHANICSVILLE 1 SE	MAX																																M
	MIN																																M
OWINGS FERRY LANDING	MAX																																M
	MIN																																M
PATUXENT RIVER	MAX	73	77	84	82	87	90	90	93	92	92	91	87	94	89	76	68	76	82	87	83	82	82	82	81	83	79	91	83	83	82	84.0	
	MIN	52	58	57	60	60	69	72	75	74	74	73	74	74	73	67	64	63	70	70	66	65	62	64	69	67	60	62	67	62	69	66.4	
UPPER SOUTHERN 04																																	
ANNAPOLIS POLICE BRKS	MAX	75	81	83	84	85	89	91	92	94	91	95	91	94	92	90	78	70	83	91	89	83	84	83	78	85	85	89	90	86	82	86.1	
	MIN	47	56	53	55	61	67	68	70	74	75	74	74	74	74	67	62	61	68	70	67	64	64	65	69	66	60	61	60	60	69	65.2	
BALTIMORE WSO AP	MAX	73	81	84	83	85	92	92	95	95	94	94	88	95	90	78	66	68	86	90	85	81	84	77	80	82	78	89	86	84	79	84.5	
	MIN	44	53	50	53	56	62	65	66	70	72	71	73	71	70	62	59	59	67	67	67	62	61	67	61	55	55	65	60	67	62.3		
BELTSVILLE	MAX	65	73	80	85	83	85	93	92	95	95	93	94	90	95	90	79	65	69	88	88	84	83	83	78	79	82	79	91	82	83	84.0	
	MIN	43	53	49	50	51	63	64	65	70	69	70	70	72	69	62	56	59	61	68	64	56	57	61	66	65	54	52	69	60	67	61.2	
COLLEGE PARK	MAX	66	74	81	86	84	87	94	94	97	96	96	96	92	96	92	79	66	71	91	90	86	85	85	82	80	84	80	92	90	84	85.9	
	MIN	45	56	52	54	52	69	66	66	72	72	72	72	75	71	65	59	57	63	69	66	60	59	65	69	68	57	55	73	63	68	63.7	
DALECARLIA RESVR D C	MAX	72	80	86	85	86	86	93	97	96	95	95	94	96	94	89	78	72	87	90	89	83	84	81	81	83	82	91	91	86	71	86.4	
	MIN	49		57	51	72	64		66	69	70	70	69	73	70	66	58	59	66	71	62	71	60	64	68	65	56	54	56	68	66	63.9	
	OBS																																
GLENN DALE BELL STN	MAX	73	83	84	84	84	94	93	94	98	96	95	94	94	94	86	78	70	88	89	88	82	81	81	80	82	80	88	89	86	82	86.3	
	MIN	40	49	52	50	51	64	63	63	69	68	69	68	69	68	61	53	51	66	66	58	54	55	55	66	64	52	52	68	58	65	59.6	
LAUREL 3 W	MAX																																M
	MIN																																M

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
JUNE 1984

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 MIN	66 42	74 52	82 51	86 53	84 54	86 61	94 65	94 66	96 70	96 71	95 71	95 70	94 70	95 71	90 65	80 59	64 57	71 61	90 67	90 67	85 61	84 59	84 60	81 66	82 68	84 54	80 54	92 62	90 60	85 63	85.6 61.7		
UPPER MARLBORO 3 NNW		MAX MIN	65 44	73 55	81 50	85 51	85 55	85 64	95 65	94 66	95 70	95 70	94 70	95 70	90 71	95 70	90 65	81 60	65 60	70 60	87 68	89 61	85 55	82 57	82 57	79 61	80 67	83 53	80 53	90 66	86 59	83 65	84.6 61.3		
NORTHERN EASTERN SHORE 05																																			
CENTREVILLE		MAX MIN																															M M		
CHESTERTOWN		MAX MIN	73 48	79 58	82 51	84 53	84 60	91 65	93 67	97 68	96 74	94 73	95 74	93 70	94 74	90 70	80 62	70 55	70 58	83 58	90 69	85 66	84 60	85 59	80 64	81 65	83 64	79 59	88 59	86 72	85 64	81 68	85.2 63.6		
MILLINGTON 2 NNW		MAX MIN																															M M		
NORTHERN CENTRAL 06																																			
ABERDEEN PHILLIPS FLD		MAX MIN OBS	74 42			83 59	89 60	89 50	94 60	94 60			93 71	93 70	93 69	93 68	88 60		58 50		78 65	88 65	88 66	80 55	83 58			62 62	63 63	81 50	82 55	85 55	84 72	84 60	86.5 59.8
BALTIMORE WSO CI		R MAX MIN	77 54	83 60	89 62	90 64	90 68	98 70	98 74	99 75	99 78	95 79	100 79	91 76	100 77	95 77	81 67	70 62	70 64	84 70	91 72	88 72	84 66	86 62	80 64	83 70	85 67	80 60	91 61	90 71	86 65	80 70	87.8 68.5		
BENSON POLICE BARRACKS		MAX MIN	75 43	78 51	80 48	85 53	85 54	90 59	93 62	94 60	95 64	95 66	95 68	94 63	95 65	87 64	73 49	66 56	66 56	79 60	90 63	89 60	83 54	84 53	82 59	74 60	82 60	82 51	85 50	87 63	83 57	80 63	85.2 57.8		
BOYDS 2 NW		MAX MIN	72 45	78 51	83 57	82 54	85 55	90 65	90 65	94 66	94 66	92 70	92 70	89 68	94 70	91 67	86 57	70 56	68 59	88 63	87 66	82 59	80 59	83 60	81 62	76 65	79 62	79 55	88 56	87 67	79 60	79 65	83.9 61.5		
CATOCTIN MOUNTAIN PARK		MAX MIN	68 49	75 51	78 57	78 54	79 60	84 66	85 69	85 70	87 73	87 72	87 69	82 65	87 70	82 67	79 54	63 51	62 55	82 61	82 65	81 61	77 56	75 56	75 62	71 62	74 58	74 53	80 58	78 65	75 62	75 63	78.2 60.9		
CLARKSVILLE 3 NNE		MAX MIN	74 40	79 52	84 47	85 47	87 51	92 63	94 64	97 60	95 65	96 68	95 68	94 65	96 68	94 68	87 58	67 52	67 59	88 66	88 62	85 59	82 58	84 55	80 61	77 61	82 60	81 53	89 50	88 68	82 61	82 67	85.7 59.0		
CONOWINGO DAM		MAX MIN	73 45	76 56	74 49	85 51	84 52	84 61	89 64	91 64	97 67	91 69	95 69	86 66	93 68	92 70	75 57	70 52	67 61	77 65	87 67	82 63	66 60	83 57	75 62	74 65	83 59	78 55	86 55	82 67	82 61	79 69	81.9 60.9		
DAMASCUS 2 SW		MAX MIN	69 44	78 51	82 55	81 52	85 56	89 66	90 66	92 67	92 65	92 70	91 70	89 67	92 70	86 67	80 57	67 55	67 58	88 64	87 66	83 58	81 64	83 58	76 62	74 64	80 57	77 52	87 56	85 65	80 64	75 64	82.6 60.8		
EMMITSBURG 2 SE		MAX MIN OBS	74 42	79 49	83 50	84 46	83 50	88 62	90 61	91 58	93 61	94 61	92 68	87 63	93 66	93 65	86 54	73 48	65 58	86 63	87 66	87 59	79 55	80 53	80 58	76 64	80 58	80 51	84 53	85 62	80 57	80 65	83.7 57.6		
FREDRICK POLICE BRKS		MAX MIN	74 46	81 56	85 55	85 54	87 59	92 68	92 67	94 66	95 72	95 73	95 69	95 72	96 72	89 62	79 55	67 58	68 65	88 66	90 68	90 65	82 59	82 58	79 67	80 64	81 58	88 57	87 69	82 62	80 68	86.2 63.2			
PARKTON 2 SW		MAX MIN	73 42	77 47	81 48	81 49	83 53	90 60	90 64	92 60	93 66	92 68	92 68	87 61	92 67	85 65	75 50	66 47	65 57	80 62	86 63	81 57	79 53	82 54	75 58	71 64	79 56	84 51	83 63	80 57	72 65	81.4 57.5			
ROCKVILLE 1 NE		MAX MIN	71 46	80 52	85 54	85 54	87 56	94 70	93 68	97 67	96 72	96 75	95 74	95 73	96 77	90 64	80 59	70 61	92 72	92 67	86 62	86 60	82 67	80 72	83 68	83 58	94 74	84 65	83 69			87.9 65.1			
TOWSON		MAX MIN OBS	73 42	79 52	84 48	83 52	85 54	92 63	93 64	96 62	96 69	93 68	94 70	92 67	95 69	93 68	87 61	74 52	74 59	81 65	88 67	88 60	82 67	83 56	82 62	77 65	81 61	81 54	88 52	88 68	82 60	82 67	85.5 60.8		
UNIONVILLE		MAX MIN																															M M M		
WESTMINSTER POLICE BRK		MAX MIN	71 50	76 53	80 54	82 55	85 64	90 68	90 66	98 66	96 71	94 71	94 73	91 68	93 71	94 68	89 57	73 52	69 57	87 62	86 66	87 64	80 58	84 58	83 63	77 65	79 62	79 56	88 60	88 69	83 60	80 61	84.9 62.3		
WOODSTOCK		MAX MIN	73 42	80 52	84 48	84 52	87 54	92 63	93 64	95 62	95 69	95 68	95 70	95 67	95 69	93 68	87 61	77 52	67 59	86 65	89 67	88 60	84 67	85 56	78 62	77 65	83 61	82 54	89 52	88 68	82 60	81 67	86.0 60.8		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
JUNE 1984

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	
APPALACHIAN MOUNTAIN	07																																
CUMBERLAND 2		MAX 75	81	82	84	89	90	94	92	95	94	94	91	97	92	85	79	82	93	90	85	89	85	82	80	83	82	89	88	85	78		86.8
		MIN 45	50	47	49	52	60	63	64	64	64	62	64	66	57	54	58	60	65	57	57	57	57	65	55	51	51	54	59	60	64		57.7
FROSTBURG 2		MAX 59	65	74	74	79	84	85	86	86	84	86	85	85	88	79	73	64	74	85	80	77	80	72	77	75	74	74	79	80	78		78.0
		MIN 40	45	45	49	49	46	53	54	64	54	61	61	51	57	52	40	49	53	49	55	45	46	55	51	51	47	39	48	55	55		50.6
HAGERSTOWN		MAX																															
		MIN																															
HANCOCK FRUIT LAB		MAX 75	80	82	82	87	87	89	90	93	93	93	91	94	93	85	79	67	90	90	88	82	81	82	82	78	75	86	85	84	82		84.8
		MIN 45	53	60	43	50	58	57	60	61	61	62	59	64	65	52	49	58	66	64	54	53	51	60	61	49	52	48	61	59	58		56.4
ALLEGHENY PLATEAU	08																																
MC HENRY 2 NW		MAX 60	64	72	72	77	81	85	84	85	85	84	82	87	86	85	76	78	80	81	80	75	80	75	77	73	72	73	78	79	80		78.2
		MIN 40	46	48	48	48	55	60	62	64	62	62	62	62	62	51	51	52	60	61	56	58	58	59	60	49	47	48	55	58	58		55.4
OAKLAND 1 SE		MAX 66	75	75	77	84	86	86	85	87	86	85	88	87	88	80	77	81	84	85	81	81	80	78	77	74	74	81	81	81	80		81.0
		MIN 34	33	54	37	41	49	54	54	57	54	54	58	53	63	51	48	54	60	62	52	52	52	55	61	46	42	42	52	54	57		51.2
SAVAGE RIVER DAM		MAX 62	68	76	76	79	85	86	86	88	89	87	85	86	88	81	80	67	83	86	82	80	80	85	76	78	82	77	81	85	85		81.0
		MIN 39	46	51	45	46	50	58	57	59	60	59	58	61	65	55	55	56	58	66	54	54	56	59	62	53	47	47	51	56	58		54.7
DELAWARE																																	
NORTHERN	01																																
MIDDLETOWN 1 WSW		MAX 72	72	79	83	84	90	92	95	104	95	94	94	94	92	86	74	70	86	87	87	80	87	83	79	81	81	86	86	85	86		85.5
		MIN 45	56	51	49	56	62	65	67	72	70	72	69	68	68	60	52	52	52	68	64	53	56	59	68	62	55	55	71	60	62		60.6
NEWARK UNIVERSITY FARM		MAX 73	79	80	84	88	95	93	94	94	95	94	95	94	93	85	75	71	76	88	87	82	84	80	80	80	76	87	85	84	80		85.0
		MIN 41	55	49	48	55	61	65	65	70	71	72	67	67	68	62	51	60	64	66	62	60	56	59	59	67	55	55	72	62	67		61.0
WILMINGTON WSO AP		MAX 75	77	79	85	85	89	94	95	96	93	94	87	94	89	76	75	68	78	92	83	82	84	82	79	83	78	87	85	83	81		84.3
		MIN 46	55	52	53	59	64	68	69	71	73	73	71	69	70	57	52	61	66	69	63	62	59	63	68	60	55	59	73	64	72		63.2
WILMINGTON PORTER RESVR		MAX 71	76	80	82	83	88	90	92	93	92	94	90	95	90	79	78	70	76	90	88	86	87	80	78	81	78	87	85	85	78		84.1
		MIN 49	54	53	57	63	65	68	68	69	71	71	68	67	66	58	52	60	60	66	64	60	59	61	63	63	54	59	68	64	60		62.0
SOUTHERN	02																																
BRIDGEVILLE 1 NW		MAX 73	77	83	85	85	90	93	95	96	95	95	93	96	93	83	78	69	83	88	87	82	85	84	81	83	81	88	83	86	84		85.8
		MIN 47	55	48	53	57	65	67	70	73	72	72	72	70	70	65	54	57	64	67	62	58	57	58	62	66	57	56	72	60	68		62.5
DOVER		MAX																															
		MIN																															
GEORGETOWN 5 SW		MAX 65	73	77	83	83	83	88	92	93	94	93	93	86	93	92	79	67	71	83	87	84	78	83	80	77	82	78	88	84	87		83.2
		MIN 47	56	46	49	55	61	68	67	69	71	71	71	68	71	66	50	57	61	66	62	59	55	55	62	67	58	53	65	60	70		61.2
LEWES		MAX 61	62	69	94	87	85	84	86	83	83	93	91	92	72	70	69	59	64	68	67	66	61	60	65	85	83	91	77	72	76		75.8
		MIN 52	56	50	55	61	65	67	72	73	74	72	70	68	69	50	41	46	56	64	55	52	55	58	50	65	60	57	70	63	67		60.4

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EVAPORATION AND WIND

MARYLAND AND
DELAWARE
JUNE 1984

STATION		DAY OF MONTH																															JUNE 1984	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	72	79	116	57	16	19	24	19	13	23	5	19	13	22	47	27	12	8	18	30	15	10	23	20	24	25	21	39	28	24	868	
		EVAP	19	21	38	26	27	22	24	26	24	32	20	29	27	29	32	19	12	5	18	26	22	24	14	21	11	31	27	34	25	30	7.05	
		MAX	72	79	80	84	93	93	98	98	97	98	98	99	98	101	90	92	75	70	93	95	92	95	86	76	77	93	90	95	87	84	89.3	
		MIN	48	52	57	57	59	60	70	70	72	75	75	72	70	74	64	63	60	63	69	69	64	63	64	68	67	61	60	63	64	65	64.6	
UPPER MARLBORO 3 NNW		WIND	10	13	38	15	7	20	6	0	9	6	9	5	9	10	9	18	1	1	51	33	10	10	7	3	12	17	15	39	19	17	473	
		EVAP	19	18	31	34	13	26	25	23	24	30	30	27	25	29	23	31	5	0	19	24	23	25	26	14	8	30	27	36	22	16	6.83	
		MAX	72	79	82	86	91	89	97	97	97	101	100	99	99	99	82	89	64	70	91	94	89	91	92	81	79	91	88	90	91	89	88.6	
		MIN	51	54	57	60	60	63	72	72	75	76	76	76	75	75	68	64	63	64	70	71	66	65	67	67	70	53	53	66	65	65	66.0	
ALLEGHENY PLATEAU 08																																		
SAVAGE RIVER DAM		WIND	57	62	60	53	21	19	15	16	7	15	8	12	15	21	42	26	37	27	34	39	20	23	28	18	26	46	34	20	25	22	848	
		EVAP	17	18	16	29	11	18	12	15	11	25	28	8	26	14	26	30	24	7	22	24	14	18	19	0	8	32	8	31	20	11	5.42	
		MAX	61	70	79	78	83	85	81	87	83	90	89	86	90	91	85	90	70	81	87	89	82	90	80	75	75	82	85	80	90	80	82.5	
		MIN	45	46	50	52	51	54	61	63	65	66	66	65	64	68	61	58	59	59	68	62	60	60	62	64	59	54	54	55	62	62	59.2	
DELAWARE																																		
NORTHERN 01																																		
NEWARK UNIVERSITY FARM		WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
		EVAP	-	-	-	22	28	14	26	28	27	17	36	14	19	40	32	17	-	3	26	39	25	25	16	16	24	31	30	-	43	-	7.478	
		MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
		MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	
SOUTHERN 02																																		
GEORGETOWN 5 SW		WIND	86	115	94	43	50	85	67	31	76	52	87	60	47	88	76	59	47	30	53	52	57	42	69	37	87	74	58	165	95	43	2025	
		EVAP	15	28	16	10	-	30	24	36	46	15	37	29	21	36	25	29	13	5	14	23	29	21	30	31	34	31	30	43	19	26	7.438	
		MAX	72	79	77	86	92	86	96	100	97	101	100	99	74	98	94	92	83	74	89	95	94	92	92	87	80	91	88	90	88	95	89.4	
		MIN	52	54	54	55	62	64	70	75	71	73	73	71	75	75	70	61	61	62	68	72	66	65	64	67	70	64	63	64	66	72	66.0	

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

STATION INDEX

MARYLAND AND
DELAWARE
JUNE 1984

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	001506		HARFORD	39 28	76 10W	57	16	16			C H	ROSS AVIATION INC
ANNAPOLIS POLICE BRKS	019304		ANNE ARUNDEL	38 59	76 30W	25	17	17			H H	ANNAPOLIS POLICE BRKS
ASSATEAGUE STATE PARK	033501		WORCESTER	38 14	75 8W	7	17	17			H H	ASSATEAGUE STATE PARK
BALTIMORE WSO AP	046504		ANNE ARUNDEL	39 11	76 40W	196	MID	MID			C H J	NATL WEATHER SERVICE
BALTIMORE WSO CI	047006		BALTO CITY	39 17	76 37W	91	MID	MID			C H	OCMI COMMANDING OFFICER
BELTSVILLE	070004		PRN GEORGES	39 2	76 53W	120	8	8			C H	U S DEPT OF AGRICULTURE
BENSON POLICE BARRACKS	073206		HARFORD	39 30	76 23W	365	17	17				MARYLAND STATE POLICE
BOYDS 2 NW	103206		MONTGOMERY	39 13	77 20W	580	18	18				HUNTER F STALEY
BRIGHTON DAM	112506		MONTGOMERY	39 12	77 1W	330		MID				WASH SUB SANY COMM
CAMBRIDGE WTR TRMT PL	138502		DORCHESTER	38 34	76 4W	5	16	16			H H	WASTEWATER TRMT PLANT
CATOCTIN MOUNTAIN PARK	153006		FREDERICK	39 39	77 29W	1610	17	17			C H	CATOCTIN MOUNTAIN PARK
CENTREVILLE	162705		QUEEN ANNES	39 3	76 4W	60	17	17			H H	MICHAEL B CATE
CHESTER TOWN	175005		KENT	39 13	76 4W	40	23	23			H H	THOMAS W ELIASON JR
CLARKSVILLE 3 NNE	186206		HOWARD	39 15	76 56W	365	17	17			C H	UNIVERSITY OF MARYLAND
COLLEGE PARK	199504		PRN GEORGES	38 59	76 57W	90	9	9			C H	UNIVERSITY OF MARYLAND
CONOWINGO DAM	206006		HARFORD	39 39	76 10W	40	MID	MID			H H	SUSQUEHANNA ELECTRIC CO
CRISFIELD SOMERS COVE	221501		SOMERSET	37 59	75 52W	8	17	17				INACTIVE 03/31/83
CUMBERLAND 2	228207		ALLEGANY	39 38	78 45W	730	18	7			H H	TIMOTHY B THOMAS
DALECARLIA RESVR D C	232504			38 56	77 7W	146	17	17				U S CORPS OF ENGINEERS
DAMASCUS 2 SW	233506		MONTGOMERY	39 16	77 14W	720	19	19			H H	RICHARD W SCHWERDT
DENTON 2 E	252302		CAROLINE	38 53	75 48W	50	17	17			H H	ARTHUR REINHOLD
EDGE MONT	277007		WASHINGTON	39 40	77 33W	905	7	7				JOHN W HARNE
EMMITSBURG 2 SE	290606		FREDERICK	39 41	77 18W	416	17	17			H H	MRS LUCILLE K BEALE
FREDRICK POLICE BRKS	334806		FREDERICK	39 25	77 26W	380	17	17			H H	MARYLAND STATE POLICE
FREDERICK 3 E	335506		FREDERICK	39 24	77 22W	385	7	7				MISS I MARY STALEY
FROSTBURG 2	341507		ALLEGANY	39 40	78 56W	2170	7	7			H H	LEE K CLOSE
GLENN DALE BELL STN	367504		PRN GEORGES	38 58	76 48W	150	16	16			H H	USDA PLT INTRODUCT STN
HAGERSTOWN	397507		WASHINGTON	39 39	77 44W	660	18	18				HAGERSTOWN RESERVOIR
HANCOCK FRUIT LAB	403007		WASHINGTON	39 42	78 11W	428	16	16			C H	SHARPSBURG RESEARCH C
LA PLATA 1 W	508003		CHARLES	38 32	77 0W	140	18	18			C H	C RUSSELL LEVERING
LAUREL 3 W	511104		PRN GEORGES	39 6	76 54W	400	MID	MID				WASH SUB SANY COMM
MC HENRY 2 NW	583208		GARRETT	39 35	79 22W	2680	8	8			C H	JOSEPH F JOHENNING
MECHANICSVILLE 1 SE	586503		ST MARYS	38 26	76 43W	160	17	17				MRS EDITH R BENNETT
MERRILL	589408		GARRETT	39 36	79 5W	1790	9	9				DELWOOD E MERRILL
MILLINGTON 2 WNW	598505		KENT	39 16	75 52W	30	17	17			H H	MRS GERALDINE CONNOLLEY
NATIONAL ARBORETUM D C	635004			38 54	76 59W	50	8	8			H H	U S NATL ARBORETUM
OAKLAND 1 SE	662008		GARRETT	39 24	79 24W	2420	17	17			H H	BEA J CROSCO
OWINGS FERRY LANDING	677003		CALVERT	38 41	76 40W	160	17	17			H H	JAMES E BOURNE JR
PARKTON 2 SW	684406		BALTIMORE	39 38	76 42W	600	23	23			C H	JOHN R FOX
PATUXENT RIVER	691503		ST MARY'S	38 20	76 25W	38	MID	MID			C H	NAVAL WEATHER SERVICE
POTOMAC FILTER PLANT	727206		MONTGOMERY	39 2	77 15W	270		8				POTOMAC WATER FILT PLT
PRINCESS ANNE	733001		SOMERSET	38 13	75 41W	20	17	17			H H	UNIVERSITY MARYLAND EAST
ROCKVILLE 1 NE	770506		MONTGOMERY	39 6	77 6W	440	17	17			H H	WASH GAS & LIGHT CO
ROYAL OAK 2 SSW	780602		TALBOT	38 43	76 11W	10	18	18			H H	JOHN L SWAINE JR
SALISBURY	800001		WICOMICO	38 22	75 35W	10	17	17				CITY OF SALISBURY
SALISBURY FAA AP	800501		WICOMICO	38 20	75 31W	48	MID	MID			H H	FAA
SAVAGE RIVER DAM	806508		GARRETT	39 31	79 8W	1495	8	8			C H	U S CORPS OF ENGINEERS
SNOW HILL 4 N	838001		WORCESTER	38 14	75 23W	28	18	18			H H	CURTIS E SHOCKLEY
TOWSON	887706		BALTIMORE	39 23	76 34W	390	18	18				BENDIX FRIEZ
UNIONVILLE	903006		FREDERICK	39 27	77 11W	430	18	18			C H	GEORGE P VON EIFF JR
UPPER MARLBORO 3 NNW	907004		PRN GEORGES	38 52	76 47W	98	8	8			H H	TOBACCO EXP FARM
VIENNA	914002		DORCHESTER	38 29	75 50W	12	18	18				DELMARVA POWER & LIGHT
WESTMINSTER POLICE BRK	944006		CARROLL	39 33	76 58W	765	17	17			H H	MARYLAND STATE POLICE

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
JUNE 1984

STATION INDEX

JUNE 1984

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER
							LOCAL STD TIME				
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)	
WOODSTOCK	9750	06	BALTIMORE	39 20	76 52W	460	18	18		H	JOHN A HILTZ
DELAWARE											
BRIDGEVILLE 1 NW	1330	02	SUSSEX	38 45	75 37W	50	17	17		H	WILLIAM M RAY
DOVER	2730	02	KENT	39 9	75 31W	30	17	17		H	STATE DIV OF HIGHWAYS
GEORGETOWN 5 SW	3570	02	SUSSEX	38 38	75 27W	45	8	8	8 C	H	UNIV OF DEL SUBSTATION
LEWES	5320	02	SUSSEX	38 46	75 8W	15	17	17		H	BOARD OF PUBLIC WORKS
MIDDLETOWN 1 WSW	5852	01	NEW CASTLE	39 26	75 45W	60	16	16		H	PIONEER HIBRED CORN CO
MILFORD 2 WSW	5915	02	SUSSEX	38 54	75 28W	30	17	17		H	INACTIVE 04/30/84
NEWARK UNIVERSITY FARM	6410	01	NEW CASTLE	39 40	75 44W	90	17	17	17 C	H	UNIV OF DELAWARE
WILMINGTON WSO AP	R 9595	01	NEW CASTLE	39 40	75 36W	79	MID	MID		C H J	NATL WEATHER SERVICE
WILMINGTON PORTER RESVR	9605	01	NEW CASTLE	39 46	75 32W	274	MID	MID		H	WATER DEPARTMENT

SEE REFERENCE NOTES FOLLOWING STATION INDEX

REFERENCE NOTES

MARYLAND AND
DELAWARE
JUNE 1984

DEFINITIONS

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.

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.

PRECIPITATION: Values shown in inches to hundredths 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 inches to tenths 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.

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 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.

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 STATION INDEX TABLE

R Amounts from recording gage.
// 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 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.
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.

LETTERS AND SYMBOLS USED IN THE DATA TABLES

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.

* 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), (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 gage.

T Trace. An amount too small to measure.

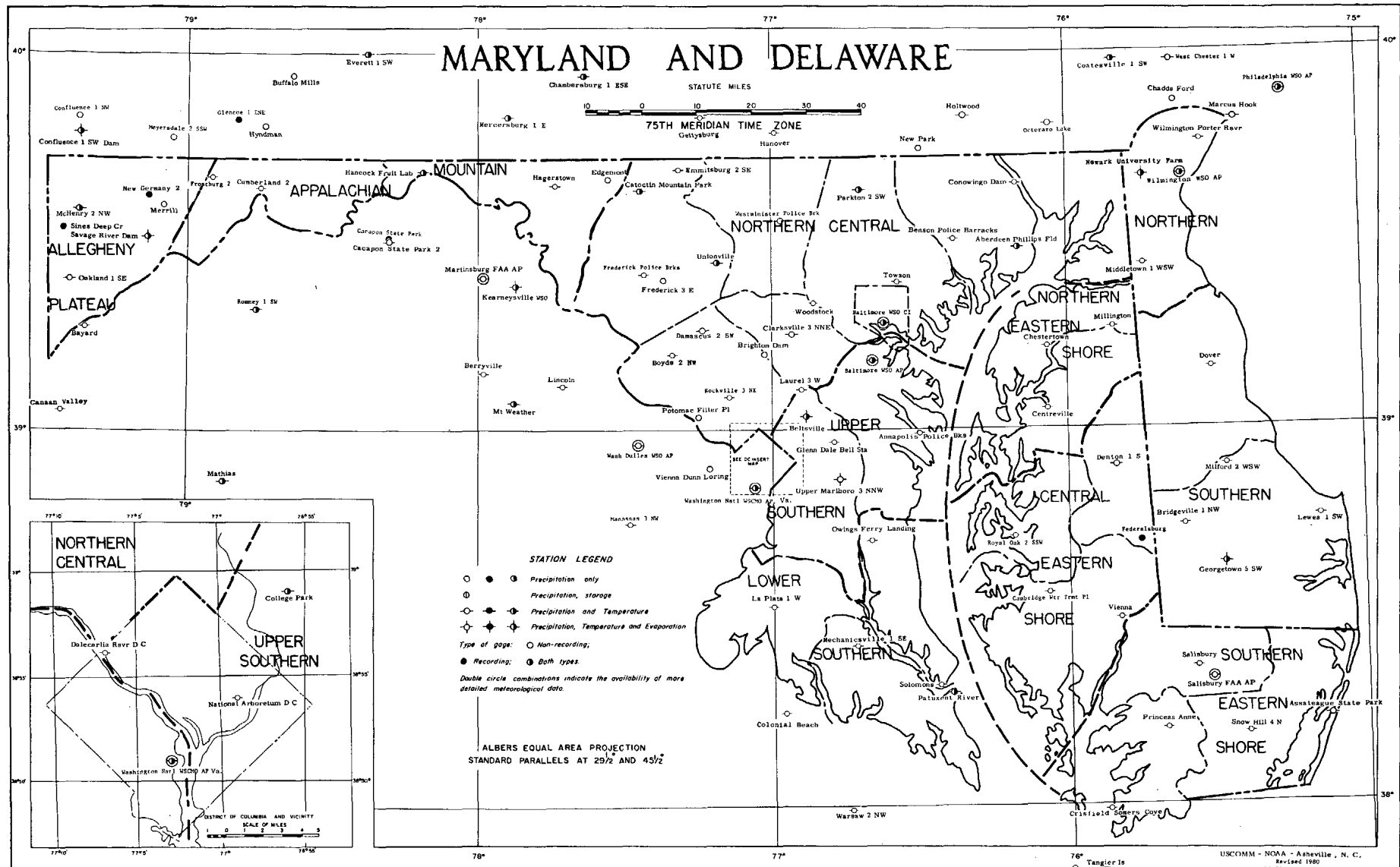
Additional Information regarding the climate of this state may be obtained by writing to the National Climatic Data Center, Federal Building, Asheville, N. C. 28801, or to any Weather Service Office near you. Additional precipitation data are contained in the "Hourly Precipitation Data" bulletin for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

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

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

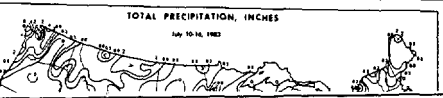
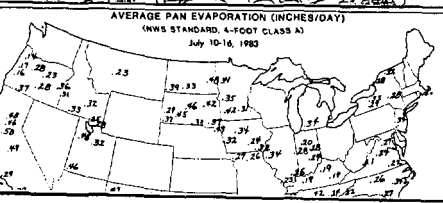
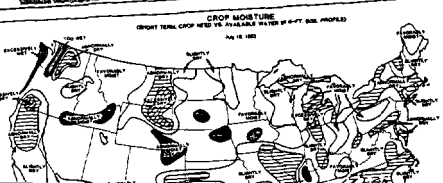
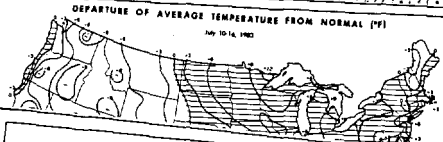
SUBSCRIPTION, PRICE AND ORDERING INFORMATION AVAILABLE FROM:
THE NATIONAL CLIMATIC DATA CENTER, FEDERAL BUILDING,
ASHEVILLE, N.C. 28801 (ATTN: PUBLICATIONS)

USCOMM-NOAA-ASHEVILLE, N.C. JUNE 1984-0895



Weather Data for the Week Ending July 16, 1983

STATION													
STATION		TEMPERATURE °F				PRECIPITATION				RELATIVE HUMIDITY		NUMBER OF DAYS	
		AVERAGE	MAXIMUM	MINIMUM	WINDY	AVERAGE	MAXIMUM	MINIMUM	WINDY	PERCENT	PERCENT	WET	WET
1	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
2	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
3	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
4	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
5	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
6	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
7	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
8	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
9	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
10	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
11	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
12	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
13	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
14	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
15	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
16	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
17	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
18	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
19	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
20	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
21	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
22	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
23	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
24	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
25	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
26	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
27	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
28	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
29	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
30	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10
31	STATION	28.0	32.0	24.0	0.0	0.0	0.0	0.0	0.0	75	85	10	10



Volume 70, No. 29

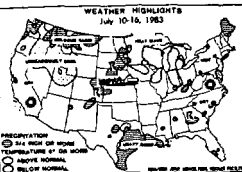
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OF COMMERCE
National Oceanic and
Atmospheric Administration,
National Weather Service
WASHINGTON, D.C.

U.S. DEPARTMENT
OF AGRICULTURE
Statistical Reporting Service
and World Agricultural
Outlook Board

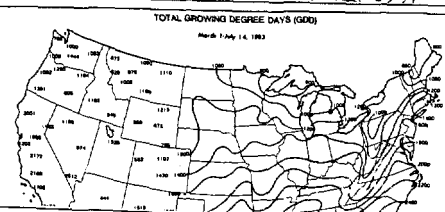
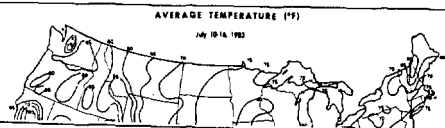
July 19, 1983

National Weather Summary

July 10-16

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State Summaries of Weather and Agriculture

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by NRS State Offices in cooperation with the National Weather Service.

ALABAMA: Rainfall: 0.00 to 1.50 in. Air tem-
peratures above normal.
Soil moisture adequate to adequate. Fieldwork:
6-7 days. Soybeans blooming 25% 1942 15%
average 26%. Corn silked 75% 1942 95%
average 78%. Corn denting 25% 1942 35%
average 26%. Cotton denting 25% 1942 35%
average 26%. Cotton netting 10% 1942 35%
average 26%. Peanuts picking 45% 1942 35%
average 45%. Activities: Planting sorghum
and soybeans; cultivating field crops; controlling
pests on fruit, vegetable, and crop;
harvesting vegetables, peanuts, and crops;
potatoes; and routine care of livestock and
poultry. Conditions: Peanuts good; corn,
cotton, soybeans, sorghum, pasture and livestock
fair to good.

ARKANSAS: Cooler than normal west. Warmer than normal east. Highest 97°. Lowest 61°. Scattered showers with heavier rain east. Most rainfall 2.16 in. least 0.00 in. Total rainfall averaged 6.6 days. Soil moisture short. Crop: corn fair. Corn condition fair to good; sugarcorn fair. Corn and average: setting bolts 16%, 45% 1982, 48% 1983. Rice crop good condition, less than 5% heavy. 78 1982, 93% average. Soybeans fair to good; medium 81%, 97% 1982, and average; blooming 75%, 95% 1982. Corn and soybeans good. Pastures need rain. Cattle gaining slow due to hot weather.

CALIFORNIA: Another dry day. High 95°.

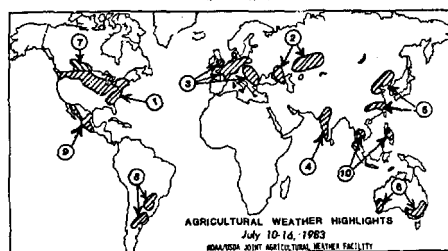
ALASKA: Clouds and rain across northern valleys
with mixture sun and clouds across southern
overcast

CROP PROGRESS

[illegible]

INTERNATIONAL AGRICULTURAL WEATHER HIGHLIGHTS

July 10 - 16, 1941



AGRICULTURAL WEATHER HIGHLIGHTS
July 10-16, 1983
NRDA/USDA JOINT AGRICULTURAL WEATHER FACILITY

1. UNITED STATES ... Hot, dry weather in the Corn Belt and eastern states is causing some soil moisture shortages and localized crop stress, as the critical reproductive stage begins. Rains over the Northwest are timely relieving stresses in eastern Montana. Abundant sunshine favors wheat harvest in the central and northern Plains.
2. USSR ... In European USSR, showers are benefiting crops in many areas, but more rain is needed in the southeast for corn in the reproductive stage. In the New Lands, heavy precipitation is causing stresses in some grain. Stresses are affecting spring strains in the heading stage.
3. EUROPE ...

Keep current. If you would like to keep up to date on weather and crop progress all year, subscribe to the Weekly Weather and Crop Bulletin. Send a \$25 check payable to the Department of Commerce NOAA to: Agricultural Weather Facility, USDA, South Building, Room 5844, Washington, DC 20250.

8. MEXICO ... Plateau corn ... = light, temporary relief to upper northeastern orchards, crops, and livestock as the rest of the north remains mostly dry.
10. SOUTHEAST ASIA ... Moderate rain benefited the south-central rice area of Thailand. Two tropical storms, bringing needed moisture to the Philippines, also caused some crop damage.

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