MONTHLY WEATHER SUMMARY

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TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS JANUARY 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eights) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0—440	440—1,100	1,100—2,200	miles 1/4—2	2—3	3—5	5—10	10 or more
TRINIDAD																							
CENTENO	50	08	75.9	73.3	26.8	88																	
ZENAL	25	08	76.5	74.1	27.6	89																	
PIARCO APT	41	02	70.9	69.5	23.9	93	1013.1	1.6	2.9	4	15	3	8	1	0	0	0	0	0	1	2	8	20
		08	74.0	71.4	25.0	87	1015.0	3.0	3.3	0	16	6	9	0	0	1	0	0	0	1	3	3	23
		14	84.3	74.2	24.4	61	1012.9	10.9	4.6	0	6	13	11	1	0	0	0	0	0	0	1	6	24
PIARCO APT	41	20	75.3	72.0	25.4	85	1013.9	3.7	2.7		11	5	8	0	0	0	0	0	0	0	2	8	21
ST. AUGUSTINE UWI	52	09	79.1	73.3	25.5	75		8.6															
TOBAGO																							
CROWN POINT APT		02	74.5	71.2	24.5	84	1013.0	4.2	1.9	0	25	3	2	0	0	0	0	0	0	0	2	7	21
		14	83.7	74.4	25.0	63	1013.0	11.6	3.0	0	16	9	5	0	0	0	0	0	0	0	4	3	23
LOUIS D'OR	40	08	79.5	73.0	24.7	72		0.5															
GRENADA																							
MIRABEAU	450	08	78.9	73.5	25.9	77			5.0	0	1	19	7	4	0								
PEARLS APT	22	08	78.6	74.1	26.8	80	1014.4	10.8	3.7	0	10	14	5	0	0	0	0	0	0	0	1	3	25
		14	82.4	75.9	27.7	73	1012.8	11.4	2.8	0	12	12	2	0	0	0	0	0	0	0	0	1	25
BARBADOS																							
G.ADAMS APT	183	02	75.7	71.7	24.8	82	1014.1	9.4	2.8	0	15	15	1	0	0	0	0	0	0	0	0	0	31
		08	78.3	72.8	25.1	76	1016.0	11.4	3.4	0	8	20	3	0	0	0	0	0	0	0	0	1	30
		14	81.3	73.7	24.9	68	1014.1	13.1	3.5	0	11	15	5	0	0	0	0	0	0	0	0	1	30
		20	76.7	71.9	24.6	78	1015.2	9.0	3.2	1	11	14	4	1	0	0	0	0	0	0	0	0	31
HUSBANDS CMI	370	08	75.9	71.5	24.4	80	1015.7	6.6	3.3	0	9	17	5	0	0	0	0	0	0	0	0	4	27
ST. LUCIA																							
HEWANORRA APT	13	08	79.0	72.5	24.4	72	1015.0	11.2	3.0	0	13	16	2	0	0	0	0	0	0	0	1	2	28
		14	82.4	74.4	25.6	68	1013.3	11.8	3.3	0	15	9	7	0	0	0	0	0	0	0	0	2	29
ROSEAU WINBAN		09	79.8	73.1	24.8	71																	
VIGIE APT		08	77.0	71.9	24.4	77	1015.3	5.6	3.7	0	7	16	6	0	0	0	0	0	0	0	0	1	28
		14	82.6	73.2	23.7	62	1013.5	12.0	4.4	0	6	11	11	0	0	0	0	0	0	0	0	0	28
DOMINICA																							
MELVILLE HALL APT		08	75.5	71.5	24.8	82	1015.3	6.4	4.9	0	1	19	11	0	0	0	0	0	0	1	0	8	22
		14	80.9	73.6	25.4	73	1013.8	10.9	4.4	0	4	21	6	0	0	0	0	0	0	0	0	2	29

TABLE 1 SUMMARY OF OBSERVATIONS AT FIXED HOURS JANUARY 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0-440	440-1,100	1,100-2,200	miles 1/4-1/2	1/2-1	1-5	5-10	10 or more
ANTIGUA																							
COOLIDGE APT	26	02	74.3	70.9	24.2	84	1015.2	8.1	2.4	2	17	11	1	0	0	0	0	0	0	0	0	0	31
		08	76.2	71.7	24.5	80	1016.4	9.6	3.6	0	12	9	10	0	0	0	0	0	0	0	0	0	31
		14	81.9	73.8	24.9	67	1014.9	12.8	3.3	0	15	10	6	0	0	0	0	0	0	0	0	0	31
		20	76.2	71.5	24.2	79	1016.0	9.0	2.2	2	19	7	3	0	0	0	0	0	0	0	0	0	31
ST. KITTS/NEVIS																							
GOLDEN ROCK APT		08	76.3	71.3	23.9	77	1017.2	8.4	3.8	0	8	17	6	0	0	0	0	0	0	0	0	2	29
		14	81.9	73.6	24.7	66	1016.1	9.7	4.1	0	4	20	7	0	0	0	0	0	0	0	0	0	31
CAYMAN ISLANDS																							
WEST BAY		09	77.4	71.3	23.8	74		8.5	3.8	4	7	11	3	6	0								
BELIZE																							
BELIZE APT	17	00	69.6	68.8	23.9	97	1015.6	1.3	2.8	7	10	7	2	4	0	0	0	0	0	0	1	6	23
		06	67.4	66.9	22.6	99	1015.5	1.9	4.7	0	11	6	5	5	3	1	5	1	0	0	1	11	11
		12	78.8	72.3	24.6	73	1016.1	7.3	5.0	0	1	17	10	3	0	0	0	1	0	0	0	2	28
		18	74.4	71.4	25.4	88	1014.6	1.5	2.8	0	18	8	2	3	0	0	0	0	0	0	0	1	30
GUYANA																							
EBINI	94	09	74.2	72.6	26.5	92	1013.9	0.7	4.6	0	10	6	15	0	0	0	0	0	1	0	10	14	6
		15	84.6	74.0	24.0	59	1010.9	8.1	5.4	0	0	19	11	0	0	0	0	0	0	1	0	22	7
FRIENDSHIP		09	74.9	73.4	27.4	93																	
		15	84.5	75.5	26.1	65																	
GEORGETOWN BG	7	09	79.6	74.4	26.8	78	1014.2	6.4	4.0	0	8	16	7	0	0	0	0	0	0	0	0	22	9
GEORGETOWN BG	7	15	81.9	75.1	26.7	72	1013.3	8.6	4.3	0	6	16	9	0	0	0	0	0	0	0	0	17	14
GREAT FALLS		09	71.5	70.9	25.6	97																	
		15	84.8	76.8	27.9	68																	
ITABRU FALLS		09	75.9	74.1	28.0	92																	
		15	86.6	77.7	28.6	66																	

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS JANUARY 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths): MEAN AMT	Number of Observations: 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards: 0–440	440–1,100	1,100–2,200	miles: ¼–½	½–2	2–3	3–5	5–10	10 or more
GUYANA																								
KAMARANG	1625	09	68.1	66.8	22.0	94	1015.9	1.1	5.7	0	0	14	15	2	0	0	1	0	0	0	0	19	11
		15	79.9	70.8	21.7	62	1012.3	4.2	5.5	0	0	17	14	0	0	0	0	0	0	0	0	22	9
LES BEHOLDEN		09	78.5	76.3	29.9	90																	
		15	83.0	78.9	31.9	83																	
LETHEM	326	09	78.7	72.4	24.5	73	1014.7	4.4	4.9	0	2	13	13	1	0	0	0	0	0	0	0	0	29
LETHEM	326	15	89.7	73.5	21.0	44	1011.4	4.3	5.0	0	0	17	12	0	0	0	0	0	0	0	0	0	29
MABARUMA	168	09	75.0	72.8	26.5	90	1013.4	3.3	3.4	0	16	5	8	2	0	0	0	0	0	2	3	23	3
		15	83.2	74.7	25.6	66	1011.7	8.4	4.7	0	3	18	10	0	0	0	0	0	0	0	0	16	15
MAHAICONY	6	09	79.0	74.3	26.8	79																	
		15	81.9	75.5	27.2	73																	
MATTHEWS RIDGE		09	74.1	71.2	24.8	86																	
		15	86.8	75.5	25.0	57																	
MAZARUNI	47	09	74.9	73.0	26.9	91																	
		15	83.1	75.5	26.7	69																	
MON REPOS		09	79.4	75.2	28.0	82																	
MON REPOS		15	82.6	76.3	28.2	74																	
NEW AMSTERDAM	3	09	79.2	75.0	27.7	81																	
		15	82.8	75.8	27.3	71																	
PORT KAITUMA		09	71.9	71.1	25.7	96																	
		15	84.2	75.4	26.2	66																	
SKELDON FRONT		09	77.5	73.8	26.8	81																	
		15	83.2	74.7	25.5	66																	
TIBOKU SITE		09	74.1	72.6	26.7	93																	
		15	82.0	73.5	25.9	69																	
TIMEHRI APT	100	03	71.0	70.7	25.5	98	1011.9	0.9	2.4	10	9	7	4	1	0	0	0	0	0	0	0	25	6
TIMEHRI APT	100	09	74.6	72.9	26.6	91	1014.1	2.1	4.7	1	6	10	14	0	0	0	0	0	0	2	1	10	18
		15	83.5	74.5	25.2	64	1011.7	8.9	5.7	0	0	13	17	1	0	0	0	0	0	0	0	3	28
		21	74.7	72.6	26.4	90	1012.6	2.7	2.3	6	14	7	4	0	0	0	0	0	0	0	0	14	17
WAUNA		09	74.1	73.0	27.2	94		0.7	3.6	0	12	12	5	2	0	0	3	0	0	0	22	6	0
		15	82.5	74.2	25.1	66		5.1	4.6	0	1	21	9	0	0	0	0	0	0	1	0	2	28

TABLE II SUMMARY OF DAILY OBSERVATIONS JANUARY 1977

COUNTRY STATION	RAINFALL (inches) TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN .04	.40	1.00	AIR TEMPERATURE °F MEAN MAX A	MEAN MIN B	MEAN ½(A+B)	EXTREMES MAX	MIN	MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH THUNDER	FOG	HAIL	GALE
TRINIDAD																	
CENTENO	1.86	.32	2	14	0	0	85.5	64.9	75.2	87	60						
PENAL	1.79	.62	12	10	1	0	86.5	63.7	75.1	89	59						
PIARCO APT	1.45	.29	26	11	0	0	86.4	68.6	77.5	90	64	64.3	267.4	0	8	0	0
ST. AUGUSTINE UWI	.71	.19	22	6	0	0	86.1	66.3	76.2	88	61		244.2				
TOBAGO																	
CROWN POINT APT	.74	.23	24	6	0	0	85.5	72.3	78.9	88	69	66.4	263.1				
LOUIS D'OR	2.59	.74	24	11	3	0	83.6	71.5	77.6	85	66		264.8				
GRENADA																	
MIRABEAU	2.40	.48	11	8	1	0	82.1	72.5	77.3	84	70		231.7				
PEARLS APT	1.08	.25	28	7	0	0	84.0	74.2	79.1	85	68						
BARBADOS																	
G.ADAMS APT	.35	.15	30	4	0	0	82.6	74.1	78.4	84	68		300.4				
HUSBANDS CMI	.31	.15	8	3	0	0	84.0	66.4	75.2	86	63		291.8				
ST. LUCIA																	
HEWANORRA APT	.71	.17	11	7	0	0	83.8	74.0	78.9	86	70						
ROSEAU WINBAN	.96	.32	11	7	0	0	83.9	66.0	75.0	85	63		261.8				
VIGIE APT	1.40	.35	26	11	0	0	84.2	71.5	77.8	86	69						
DOMINICA																	
MELVILLE HALL APT	2.44	.42	7	17	1	0	82.8	70.7	76.7	85	67		232.8				
ANTIGUA																	
COOLIDGE APT	.80	.21	26	6	0	0	83.3	71.7	77.5	86	64						
CAYMAN ISLANDS																	
WEST BAY	5.59	2.07	16	8	3	3	80.7	70.1	75.4	88	64		201.8				

TABLE II SUMMARY OF DAILY OBSERVATIONS JANUARY 1977

COUNTRY STATION	RAINFALL (inches)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH, OR MORE THAN			MEAN MAX A	MEAN MIN B	MEAN $\frac{1}{2}$(A+B)	EXTREMES				THUNDER	FOG	HAIL	GALE
				.04	.40	1.00				MAX	MIN						
BELIZE																	
BELIZE APT	1.68	.86	22	5	1	0	81.6	66.0	73.8	87	51		202.6	0	9	0	0
BELMOPAN	1.40	.36	22	7	0	0	82.2	60.6	71.4	91	47		186.5	0	9	0	0
CENTRAL FARM	1.11	.28	7	5	0	0	83.4	60.7	72.1	90	50		169.3	0	31	0	0
PUNTA GORDA	2.85	.96	12	11	2	0	83.0	63.2	73.1	89	55		205.9	0	6	0	0
GUYANA																	
APOTERI	1.03	.22	28	11	0	0											
EBINI	1.87	.71	3	9	2	0	87.9	69.1	78.5	90	62	65.2	207.3	0	26	0	0
FRIENDSHIP	2.35	.55	14	9	2	0	85.7	68.8	77.3	87	62		229.1				
GEORGETOWN BG	2.58	.72	1	8	3	0	84.4	73.3	78.9	85	69	70.8	240.0				
GREAT FALLS	2.60	1.10	1	10	2	1								3	9	0	0
ITABRU FALLS	1.79	.26	17	12	0	0	89.2	70.8	80.0	92	64	67.9					
KAMARANG	2.53	.54	3	13	2	0	81.5	64.9	73.2	85	61	62.7	172.9	0	9	0	0
LES BEHOLDEN	1.64	.43	27	8	1	0	84.7	63.2	74.0	87	57		238.9				
LETHEM	.09	.07	2	1	0	0	90.8	73.6	82.2	93	72		256.0				
MABARUMA	4.63	1.44	13	11	3	2	85.2	70.9	78.0	88	69			0	9	0	0
MAHAICONY	2.59	.81	1	10	3	0	83.0	74.7	78.9	84	68		208.0				
MATTHEWS RIDGE	3.80	.84	15	12	6	0	87.5	68.1	77.8	90	63		210.2				
MAZARUNI	1.90	.39	15	10	0	0	84.7	70.5	77.6	89	62		177.7				
MON REPOS	1.72	.44	1	12	1	0	84.4	73.4	78.9	86	70		241.0				
NEW AMSTERDAM	3.00	.85	24	11	3	0	84.4	72.8	78.6	86	65		235.6				
PLANTAIN ISLAND	2.45	.96	1	10	1	0											
PORT KAITUMA	5.60	1.18	1	13	5	1	87.0	67.4	77.2	92	64						
SKELDON FRONT	.99	.32	15	6	0	0	84.6	74.7	79.7	89	69		236.5				
TIBOKU SITE	2.21	.47	9	13	1	0	87.6	70.3	79.0	91	67	69.1	202.7	4	3	0	0
TIMEHRI APT	2.74	.62	3	15	3	0	85.5	69.0	77.3	88	64		212.7	1	3	0	0
WAUNA	3.88	1.31	13	10	3	1	84.7	66.9	75.8	88	64		207.6	0	28	0	0

TABLE III – SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS JANUARY 1977

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)			SOIL TEMPERATURES °F									TOTAL RADIATION (langleys)		
						At 2 inch depth					At 4 inch depth						
								EXTREMES					EXTREME				
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	MEAN MAX	MEAN MIN	MAX	DATE	MIN	MEAN MAX	MEAN MIN	MAX	MIN	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
TRINIDAD																	
CENTENO	33	92	5.65	.30	25												
PENAL	27	55	5.44	.28	1												
PIARCO APT	66	89	5.55	.29	30												
ST. AUGUSTINE UWI	58	90	4.64	.20	30												
TOBAGO																	
CROWN POINT APT	86	154	6.46	.37	23												
LOUIS D'OR	12	23	6.01	.29	21												
GRENADA																	
MIRABEAU	86	214															
BARBADOS																	
HUSBANDS CMI	107	169	6.42	.35	29										18427	679	437
CAYMAN ISLANDS																	
WEST BAY	123	244	5.77	.33	16										11998	520	194
BELIZE																	
BELIZE APT	64	134	3.61M	.25	26												
BELMOPAN	49	89	3.92	.41	17												
CENTRAL FARM	26	43	3.86	.20	23												
PUNTA GORDA	24	51	3.98	.24	25										14138	627	182
GUYANA																	
APOTERI			6.47	.35	5												
EBINI	56	98	6.48	.32	20										12057	482	267
FRIENDSHIP	56	76	5.43	.24	5												
GEORGETOWN BG	77	131	5.48	.29	29										14797	570	320
ITABRU FALLS	10	25	3.97	.18	14												
KAMARANG	63	85	5.09	.25	7												
LES BEHOLDEN	160	245															
LETHEM	220	267	11.89	.89	27												
MAHAICONY	179	252	5.29	.31	4												
MATTHEWS RIDGE			4.43	.24	1												
PLANTAIN ISLAND			4.97	.27	9												
TIBOKU SITE	8	14	4.70	.22	28												
TIMEHRI APT	66	96	5.48	.26	20												
WAUNA	56	74	5.44	.28	31												

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS JANUARY 1977

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
TRINIDAD								
CENTENO	.08	.13	.20	.28	.31	.31	.32	.32
PENAL	.11	.17	.17	.17	.17	.17	.17	.17
PIARCO APT			.18	.22	.25	.25	.25	.25
ST. AUGUSTINE UWI		.06	.08	.11	.17	.17	.17	.17
TOBAGO								
CROWN POINT APT	.06	.09	.13	.16	.16	.16	.21	.22
LOUIS D'OR	.08	.12	.16	.20	.35	.35	.59	.71
BARBADOS								
G.ADAMS APT				.12	.12	.12	.12	.15
HUSBANDS CMI	.04	.08	.11	.12	.14	.15	.15	.15
CAYMAN ISLANDS								
WEST BAY	.50	.72	.90	1.32	1.85	2.07	2.07	2.07
GUYANA								
APAIKWA	.20	.30	.32	.36	.42	.49	.57	.60
DAWA	.23	.26	.28	.28	.28	.47	.56	.58
EBINI	.12	.20	.28	.31	.31	.49	.51	.51
FRIENDSHIP	.19	.19	.19	.19	.19	.19	.24	.37
GEORGETOWN BG	.21	.26	.34	.43	.43	.48	.55	.55
KAMARANG	.05	.08	.13	.25	.25	.31	.52	.54
LETHEM	.04	.06	.06	.06	.06	.06	.06	.06
MABARUMA	.12	.24	.24	.36	.54	.62	.88	1.18
MAHAICONY	.38	.55	.59	.61	.62	.64	.66	.76
MARIPA	.27	.40	.56	.82	1.09	1.69	2.17	2.18
MAZARUNI	.14	.20	.22	.24	.24	.24	.29	.31
NEW AMSTERDAM	.10	.14	.24	.34	.48	.48	.48	.48
PLANTAIN ISLAND	.21	.33	.53	.69	.69	.72	.87	.90
ST. FRANCIS MISSION	.11	.21	.29	.41	.42	.44	.48	.48
SKELDON FRONT	.11	.16	.17	.18	.18	.19	.20	.20
TIBOKU SITE	.22	.26	.30	.32	.32	.35	.35	.35
TIMEHRI APT	.18	.23	.25	.40	.53	.55	.57	.57
WAUNA	.16	.20	.29	.34	.39	.65	.94	1.02

TABLE V – SUMMARY OF WINDSPEED RECORDS JANUARY 1977

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
TRINIDAD												
PIARCO APT	09	16	11	30	08	30	1045	31	0	0	0	4.6
TOBAGO												
CROWN POINT APT	10	16	13	19	08	25	0945	28	0	0	0	6.7
BARBADOS												
HUSBANDS GMI	10	16	11	19	11	27	1030	19	0	0	0	6.7
ANTIGUA												
COOLIDGE APT	09	18	13	31	10	30	1435	27	0	0	0	10.1
CAYMAN ISLANDS												
WEST BAY	36	19	10	19	36	41	0935	19	4	0	0	7.6
GUYANA												
EBINI	05	15	15	4	06	25	1155	4	0	0	0	4.2
GEORGETOWN BG	09	13	06	21	09	26	0530	21	0	0	0	6.2
TIMEHRI APT	06	12	12	21	03	25	1115	21	0	0	0	4.4

TABLE VI - SUMMARY OF SUNSHINE RECORDS JANUARY 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19					NIL	0.1-3.0	3.1-6.0	6.1-9.0	9.1-12.0	MORE THAN 12
TRINIDAD																								
PIARCO APT	0	28	75	78	84	88	85	80	76	85	78	79	26	0	267.4	74	10.9	9	0	1	4	10	16	0
ST. AUGUSTINE UWI	0	19	73	81	85	85	77	69	73	77	74	73	5	0	244.2	68	10.5	11	0	1	6	13	11	0
TOBAGO																								
CROWN POINT APT	0	24	80	86	79	74	78	82	74	81	82	76	32	0	263.1	73	11.0	15	0	2	3	9	17	0
LOUIS D'OR	0	15	73	74	74	85	85	90	91	94	94	79	1	0	264.8	74	10.4	6	0	0	2	12	17	0
GRENADA																								
MIRABEAU	0	23	59	67	76	86	85	88	85	79	65	37	1	0	231.7	65	10.4	7	0	0	6	21	4	0
BARBADOS																								
G.ADAMS APT	0	22	78	96	96	93	94	97	97	93	90	87	27	0	300.4	84	10.9	10	0	0	0	7	24	0
HUSBANDS CMI	0	25	86	92	91	89	89	92	93	94	86	81	23	0	291.8	82	10.6	1	0	0	0	8	23	0
DOMINICA																								
MELVILLE HALL APT	0	0	46	74	80	84	92	90	87	88	73	37	1	0	232.8	67	9.5	18	0	1	3	23	4	0
BR. VIRGIN ISLANDS																								
PARAQUITO BAY	0	17	67	81	88	88	84	76	79	81	78	51	0	0	244.6	68	10.1	26	0	3	3	10	15	0
CAYMAN ISLANDS																								
WEST BAY	0	0	40	63	67	71	69	71	76	74	73	47	0	0	201.8	58	9.9	8	0	6	5	16	4	0
BELIZE																								
BELIZE APT	0	6	35	44	59	68	71	72	68	75	75	66	15	0	202.6	58	10.5	9	0	6	3	16	6	0
BELMOPAN	0	5	25	38	59	66	69	66	70	67	64	66	11	0	186.5	54	10.5	20	1	5	6	12	5	0
CENTRAL FARM	0	0	11	25	44	65	73	71	72	65	65	53	7	0	169.3	49	9.4	8	1	8	4	16	2	0

TABLE VI - SUMMARY OF SUNSHINE RECORDS JANUARY 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19					NIL	0.1-3.0	3.1-6.0	6.1-9.0	9.1-12.0	MORE THAN 12
BELIZE																								
PUNTA GORDA	0	5	46	61	62	64	68	71	77	73	68	59	11	0	205.9	59	10.4	27	2	6	2	6	15	0
GUYANA																								
EBINI	0	10	51	64	67	71	64	62	67	59	62	65	27	0	207.3	57	10.5	13	0	6	5	12	8	0
FRIENDSHIP	0	9	54	64	68	74	75	72	72	78	75	72	26	0	229.1	62	10.7	9	0	3	6	10	12	0
GEORGETOWN BG	0	8	68	72	72	75	76	76	82	83	76	69	17	0	240.0	66	10.5	12	0	1	7	11	12	0
KAMARANG	0	1	25	45	48	53	56	64	73	57	70	61	4	0	172.9	47	9.9	26	0	8	8	12	3	0
LES BEHOLDEN	0	14	48	65	78	77	78	82	78	75	77	72	26	0	238.9	65	10.9	13	1	3	3	9	15	0
LETHEM	0	23	62	67	77	76	87	85	80	83	87	75	32	0	256.0	69	11.1	27	0	1	4	12	12	0
MAHAICONY	0	10	50	56	62	73	71	69	68	72	64	54	20	2	208.0	57	10.7	13	1	2	7	14	5	0
MATTHEWS RIDGE	0	1	38	70	79	78	74	73	74	66	59	50	17	0	210.2	58	9.8	27	0	2	8	17	2	0
MAZARUNI	0	1	29	58	63	65	59	59	59	64	65	52	0	0	177.7	49	9.4	25	0	6	9	13	3	0
MON REPOS	0	12	69	71	75	83	72	80	84	85	73	66	10	0	241.0	66	10.7	22	0	1	8	11	11	0
NEW AMSTERDAM	0	13	62	61	70	72	73	75	80	76	77	74	25	0	235.6	64	10.8	13	0	2	7	12	10	0
SKELDON FRONT	0	18	65	73	79	81	82	84	79	83	74	42	4	0	236.5	64	10.4	12	0	2	5	13	11	0
TIBOKU SITE	0	14	52	66	75	70	70	72	64	60	61	45	6	0	202.7	55	10.4	22	0	1	12	16	2	0
TIMEHRI APT	0	16	54	68	59	61	60	63	68	72	72	66	27	0	212.7	58	10.8	13	0	4	7	10	10	0
WAUNA	0	13	56	76	71	61	69	66	67	70	58	45	18	0	207.6	57	10.4	31	0	6	7	6	12	0

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS FEBRUARY 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0—440	440—1,100	1,100—2,200	miles 1¼—2	2—3	3—5	5—10	10 or more
TRINIDAD																							
CENTENO	50	08	77.1	73.5	23.3	73																	
PENAL	25	08	76.5	74.2	27.8	89																	
PIARCO APT	41	02	72.4	70.1	24.2	89	1014.3	3.2	2.9	3	12	8	5	0	0	0	0	0	0	0	6	13	9
		08	75.5	72.0	21.6	72	1015.9	4.1	3.4	0	12	8	8	0	0	0	0	0	0	0	6	13	9
		14	85.2	73.6	23.1	56	1014.3	12.8	5.4	0	1	13	14	0	0	0	0	0	0	0	3	10	15
PIARCO APT	41	20	75.9	71.8	24.9	81	1014.7	5.2	2.5	2	15	8	3	0	0	0	0	0	0	0	4	13	11
ST. AUGUSTINE UWI	52	09	81.0	73.2	24.5	68		14.3															
TOBAGO																							
CROWN POINT APT		02	75.7	71.8	24.7	82	1014.1	5.5	2.5	0	19	5	4	0	0	0	0	0	0	0	11	10	7
		08	78.9	73.3	25.6	76	1015.8	8.2	3.6	0	13	6	9	0	0	0	0	0	0	1	10	6	11
		14	85.1	74.9	25.1	61	1014.4	13.5	3.0	0	17	5	6	0	0	0	0	0	0	1	11	10	6
		20	76.8	72.2	24.9	79	1014.6	6.6	2.7	0	15	7	5	0	0	0	0	0	0	0	11	11	5
LOUIS D'OR	40	08	79.6	72.9	24.7	72		0.8															
GRENADA																							
MIRABEAU	450	08	78.4	74.0	26.6	80			6.1	0	0	7	18	3	0								
PEARLS APT	22	08	78.6	74.1	26.7	80	1015.5	12.4	4.4	0	4	14	9	1	0	0	0	0	0	1	0	9	18
		14	82.5	76.2	28.0	74	1014.1	12.1	3.4	0	11	11	4	0	0	0	0	0	0	0	0	6	20
BARBADOS																							
G.ADAMS APT	183	02	76.7	71.4	23.9	76	1015.5	12.8	3.2	0	11	14	3	0	0	0	0	0	0	0	0	1	27
		08	79.4	72.2	24.2	73	1017.1	13.3	4.1	0	6	16	6	0	0	0	0	0	0	0	0	0	28
		14	81.1	73.0	24.1	67	1015.8	15.4	4.3	0	5	17	5	1	0	0	0	0	0	0	0	1	27
		20	77.5	71.9	24.5	76	1016.4	11.6	3.6	1	9	13	5	0	0	0	0	0	0	0	0	2	26
HUSBANDS CMI	370	08	76.2	71.3	23.9	78	1016.8	9.3	3.9	0	7	14	7	0	0	0	0	0	0	0	0	12	16
ST. VINCENT																							
CAMDEN PARK	15	08	80.7	72.6	23.8	66																	
ST. LUCIA																							
HEWANORRA APT	13	08	78.8	72.1	24.0	71	1016.2	13.8	4.1	0	7	12	9	0	0	0	0	0	0	0	0	5	23
		14	83.2	73.9	24.3	63	1014.8	14.0	3.6	0	7	16	5	0	0	0	0	0	0	0	0	4	24
ROSEAU WINBAN		09	80.0	72.8	24.2	69																	
VIGIE APT		08	77.4	71.6	23.9	74	1016.5	8.0	4.1	0	9	7	11	0	0	0	0	0	0	0	0	4	23
		14	82.8	73.4	23.9	62	1015.2	13.3	4.6	0	3	13	11	0	0	0	0	1	0	1	0	2	23

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS FEBRUARY 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths): MEAN AMT	Number of Observations: 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards: 0—440	440—1,100	1,100—2,200	miles: 1¼—2	2—3	3—5	5—10	10 or more
DOMINICA																							
MELVILLE HALL APT		08	76.6	71.3	23.9	76	1016.7	10.3	5.2	0	1	15	11	1	0	0	0	0	0	0	2	9	17
		14	81.2	73.4	24.9	69	1015.4	12.3	4.4	0	4	15	7	0	0	0	0	0	0	0	0	3	23
ANTIGUA																							
COOLIDGE APT	26	02	74.9	70.7	23.8	81	1016.6	10.3	2.9	0	17	6	5	0	0	0	0	0	0	0	0	0	28
		08	77.3	71.7	23.9	75	1017.8	12.4	3.4	0	11	13	4	0	0	0	0	0	0	0	0	0	28
		14	81.6	73.0	23.9	65	1016.7	14.1	3.6	0	8	14	6	0	0	0	0	0	0	0	0	0	28
		20	76.2	71.6	24.4	79	1017.3	10.8	2.8	3	8	14	3	0	0	0	0	0	0	0	0	0	28
ST. KITTS/NEVIS																							
GOLDEN ROCK APT		08	77.0	70.5	22.5	71	1018.8	11.0	4.5	0	3	15	10	0	0	0	0	0	0	0	0	0	28
		14	82.5	72.3	22.5	59	1018.0	12.7	3.6	0	11	11	6	0	0	0	0	0	0	0	0	1	27
CAYMAN ISLANDS																							
WEST BAY		09	78.9	72.8	25.0	74		8.9	4.1	0	10	10	3	5	0								
BELIZE																							
BELIZE APT		00	71.7	70.6	25.3	95	1016.0	2.8	3.6	4	8	8	2	5	0	0	0	0	0	0	0	9	18
		06	69.3	68.7	24.0	98	1015.3	2.9	5.1	0	8	6	6	6	1	1	1	0	0	0	1	11	13
		12	79.5	73.7	26.0	76	1016.3	7.9	5.4	0	2	13	9	4	0	0	0	0	0	0	0	4	24
		18	75.5	72.6	26.1	87	1014.6	4.1	4.6	0	9	7	6	6	0	0	0	0	0	0	0	6	22
GUYANA																							
EBINI	94	09	73.5	72.5	26.7	95	1014.7	0.7	4.9	0	7	10	8	3	0	0	0	0	0	0	6	17	5
		15	84.8	74.1	23.9	59	1012.3	8.8	5.6	0	0	15	11	2	0	0	0	0	0	0	3	12	13
FRIENDSHIP		09	75.3	73.5	27.4	92																	
		15	82.5	74.7	25.8	68																	
GEORGETOWN BG	7	09	80.0	74.6	26.9	77	1015.0	8.9	4.5	1	2	14	11	0	0	0	0	0	0	0	0	23	5
GEORGETOWN BG	7	15	82.9	75.8	27.3	71	1014.2	11.1	4.3	0	5	16	7	0	0	0	0	0	0	0	0	17	11
GREAT FALLS		09	71.3	70.7	25.4	97																	
		15	83.8	76.3	27.6	70																	
ITABRU FALLS		09	74.1	72.7	26.9	93																	
		15	85.9	76.8	27.4	65																	

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS FEBRUARY 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths): MEAN AMT	Number of Observations: 0	1, 2	3-5	4, 7	8	9	VISIBILITY (No of Observations) yards: 0—440	440—1,100	1,100—2,200	miles: 1¼—2	2—3	3—5	5—10	10 or more
GUYANA																							
KAIETEUR FALLS		09	69.6	68.8	23.5	94	1015.3	1.7	6.8	0	0	3	21	4	0	0	1	0	1	2	6	10	8
		15	78.2	71.2	23.5	71	1012.3	3.3	5.6	0	0	14	11	3	0	0	0	0	0	0	1	8	19
KAMARANG	1625	09	68.5	67.2	22.2	93	1015.0	0.6	5.8	0	1	11	12	3	1	0	2	0	0	0	0	20	6
		15	80.0	70.7	21.4	61	1011.5	3.7	6.1	0	0	8	19	1	0	0	0	0	0	0	0	22	6
LES BEHOLDEN		09	78.4	75.8	29.4	89																	
LES BEHOLDEN		15	81.5	77.8	31.0	84																	
LETHEM	326	09	77.2	74.1	24.5	77	1015.5	3.7	6.1	0	0	6	15	6	0	0	0	0	0	0	0	1	26
		15	88.3	74.2	22.5	49	1012.5	3.7	6.5	0	0	3	20	4	0	0	0	0	0	0	0	2	25
MABARUMA	168	09	75.3	72.7	26.3	88	1014.5	3.3	3.9	0	14	3	11	0	0	0	0	0	0	0	3	18	7
		15	83.6	74.1	24.5	62	1013.5	8.7	4.7	0	4	13	10	0	0	0	0	0	0	0	0	15	12
MAHAICONY	6	09	78.7	74.0	26.5	79																	
		15	81.1	75.4	27.5	76																	
MATTHEWS RIDGE		09	73.2	70.9	24.8	89																	
		15	86.1	75.2	24.9	58																	
MAZARUNI	47	09	74.9	73.0	26.9	51																	
MAZARUNI	47	15	83.4	75.2	26.2	67																	
MC NABB		15	83.5	77.0	28.7	73																	
MON REPOS		09	79.2	74.9	27.6	81																	
		15	84.2	76.6	28.0	70																	
NEW AMSTERDAM	3	09	79.1	74.7	27.4	81																	
NEW AMSTERDAM	3	15	82.2	76.2	28.2	75																	
PORT KAITUMA		09	72.2	71.2	25.8	96																	
		15	84.4	75.4	26.1	65																	
SKELDON FRONT		09	77.2	73.7	26.8	84																	
		15	82.5	75.6	27.1	72																	
TIBOKU SITE		09	74.0	72.9	27.2	95																	
		15	85.1	75.9	26.4	64																	
TIMEHRI APT	100	03	71.5	70.9	25.6	97	1013.1	1.2	2.7	8	8	5	6	1	0	0	0	0	0	0	5	17	6
		09	74.8	72.9	26.8	91	1015.1	2.6	4.4	0	8	8	11	1	0	0	0	1	0	0	2	19	6
		15	83.7	74.4	24.9	63	1013.0	9.5	6.1	0	0	10	15	3	0	0	0	0	0	0	2	10	16
TIMEHRI APT	100	21	74.4	72.4	26.3	91	1013.4	2.9	2.8	5	10	8	3	2	0	0	0	0	0	0	1	15	12
WAUNA		09	74.3	72.8	26.9	93		0.8	4.1	0	9	10	9	0	0	0	0	0	0	0	14	14	0
		15	83.3	74.1	24.7	63		6.3	5.0	0	0	18	10	0	0	0	0	0	0	0	0	3	25

TABLE II SUMMARY OF DAILY OBSERVATIONS FEBRUARY 1977

COUNTRY STATION	RAINFALL (inches)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN			MEAN MAX A	MEAN MIN B	MEAN ½(A+B)	EXTREMES				THUNDER	FOG	HAIL	GALE
				.04	.40	1.00				MAX	MIN						
TRINIDAD																	
CENTENO	.77	.16	6	7	0	0	86.0	66.9	76.5	89	62						
PENAL	.42	.12	23	6	0	0	88.2	63.3	75.8	90	61						
PIARCO APT	.54	.15	1	6	0	0	87.0	70.1	78.6	89	65	65.0	250.2	0	2	0	0
ST. AUGUSTINE UWI	.28	.08	3	5	0	0	87.2	67.2	77.2	89	63		246.1				
TOBAGO																	
CROWN POINT APT	.46	.10	6	5	0	0	87.0	72.5	79.8	89	68	68.6	245.2				
LOUIS D'OR	1.94	.31	12	13	0	0	83.6	73.1	78.4	85	69		231.9				
GRENADA																	
MIRABEAU	2.32	1.00	8	9	1	1	82.5	72.1	77.3	84	69	188.7					
PEARLS APT	1.63	.71	8	9	1	0	84.3	74.8	79.6	85	72						
BARBADOS																	
G.ADAMS APT	1.20	.35	13	7	0	0	82.9	74.5	78.7	84	71		254.0				
HUSBANDS CMI	.95	.27	24	5	0	0	84.5	67.5	76.0	89	66		235.3				
ST. VINCENT																	
CAMDEN PARK	1.79	.54	2	10	1	0	84.7	60.7	72.7	87	51		264.9				
ST. LUCIA																	
HEWANORRA APT	.29	.26	19	1	0	0	85.0	74.6	79.8	86	69						
ROSEAU WINBAN	1.55	.51	2	10	1	0	84.4	71.5	78.0	85	66		246.5				
VIGIE APT	.90	.35	24	6	0	0	85.0	73.1	79.1	86	70						
DOMINICA																	
MELVILLE HALL APT	1.12	.18	23	9	0	0	82.9	71.9	77.4	85	66		208.0				
ANTIGUA																	
COOLIDGE APT	.97	.29	3	8	0	0	83.7	72.9	78.3	85	67						
CAYMAN ISLANDS																	
WEST BAY	1.87	1.24	28	3	2	1	81.6	71.0	76.3	87	64		191.2				

TABLE II SUMMARY OF DAILY OBSERVATIONS FEBRUARY 1977

COUNTRY STATION	RAINFALL (inches)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH, OR MORE THAN			MEAN MAX A	MEAN MIN B	MEAN ½(A+B)	EXTREMES				THUNDER	FOG	HAIL	GALE
				.04	.40	1.00				MAX	MIN						
BELIZE																	
BELIZE APT	2.87	.44	18	12	1	0	81.6	67.9	74.8	86	60		161.5	1	3	0	0
BELMOPAN	7.30	1.86	15	9	6	3	82.5	63.8	73.2	89	59		137.0	0	6	0	0
CENTRAL FARM	5.29	1.23	28	14	4	2	81.7	64.6	73.2	90	54		127.9	0	19	0	0
PUNTA GORDA	8.32	4.00	6	10	4	4	84.3	66.0	75.2	90	60		137.7	0	6	0	0
GUYANA																	
APOTERI	4.98	2.86	18	12	2	1											
EBINI	4.32	.94	17	14	3	0	87.1	69.3	78.2	91	65	66.4	162.9	0	20	0	0
FRIENDSHIP	6.32	2.50	17	10	4	2	85.2	69.3	77.3	88	66		169.1				
GEORGETOWN BG	1.47	.31	4	9	0	0	84.8	74.2	79.5	86	72	71.4	213.2				
GREAT FALLS	4.99	1.59	17	15	4	1	87.0	68.7	77.9	91	64	67.6		1	16	0	0
ITABRU FALLS	4.47	1.00	21	10	5	1	88.6	70.1	79.4	92	66	67.7		2	0	0	0
KAIETEUR FALLS	8.94	1.96	17	22	8	1	80.1	67.6	73.9	84	63	66.4	137.1	2	4	0	0
KAMARANG	2.44	.47	6	15	2	0	82.0	65.5	73.8	84	61	62.3	155.5	0	3	0	0
LES BEHOLDEN	4.02	1.33	14	9	2	2	83.9	63.5	73.7	86	60		169.6				
LETHEM	.70	.16	18	7	0	0	89.2	73.3	81.3	92	72		168.1	1	0	0	0
MABARUMA	2.42	.55	27	12	1	0	85.4	71.3	78.4	87	69						
MAHAICONY	2.55	.86	2	10	2	0	82.9	75.1	79.0	84	72		179.2				
MATTHEWS RIDGE	3.19	.58	4	9	4	0	87.0	67.8	77.4	89	65		184.1				
MAZARUNI	2.84	.83	17	13	2	0	85.1	71.3	78.2	87	69		131.3				
MC NABB							84.1	68.6	76.4	85	68						
MON REPOS	1.82	.77	19	10	1	0	84.1	73.1	78.6	87	68		214.1				
NEW AMSTERDAM	5.52	1.27	2	16	3	2	84.4	73.3	78.9	86	70		179.4				
PLANTAIN ISLAND	4.08	1.80	17	12	3	1											
PORT KAITUMA	1.66	.39	4	8	0	0	88.0	66.7	77.4	92	64						
SKELDON FRONT	7.13	2.28	17	12	5	2	83.8	74.3	79.1	86	70		174.7				
TIBOKU SITE	6.49	1.75	18	17	4	3	86.8	70.6	78.7	90	66	68.9	160.4	4	3	0	0
TIMEHRI APT	3.04	.76	4	12	2	0	85.9	70.0	78.0	87	66		167.4				
WAUNA	1.68	.39	11	11	0	0	85.9	67.2	76.6	89	64		187.7	0	23	0	0

TABLE III—SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS FEBRUARY 1977

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)			SOIL TEMPERATURES °F At 2 inch depth					At 4 inch depth				TOTAL RADIATION (langleys)		
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	MEAN MAX	MEAN MIN	EXTREMES MAX	DATE	MIN	MEAN MAX	MEAN MIN	EXTREME MAX	MIN	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
TRINIDAD																	
CENTENO	68	109	6.23	.29	22												
PENAL	44	72															
PIARCO APT	87	107	6.66	.36	19												
ST. AUGUSTINE UWI	75	111	5.39	.24	8												
TOBAGO																	
CROWN POINT APT	99	142															
LOUIS D'OR	16	37	6.02	.32	16												
GRENADA																	
MIRABEAU	104	188															
BARBADOS																	
HUSBANDS CMI	139	192	6.65	.41	10										16733	668	420
ST. VINCENT																	
CAMDEN PARK	111	253															
CAYMAN ISLANDS																	
WEST BAY	132	229	5.79	.28	28										12710	604	194
BELIZE																	
BELIZE APT	80	121	4.10	.49	5										10587	646	58
BELMOPAN	39	77	3.60M	.33	26												
CENTRAL FARM	37	92	3.90M	.25	14												
PUNTA GORDA	30	88															
GUYANA																	
APOTERI			5.77	.34	11												
EBINI	66	100	5.15	.29	5										10888	517	245
FRIENDSHIP	60	77	4.78	.31	3												
GEORGETOWN BG	104	161	5.78	.29	28										14491	622	396
GREAT FALLS	2	3	3.21	.20	23												
ITABRU FALLS	14	25															
KAIETEUR FALLS			4.28	.28	20												
KAMARANG	85	114	4.67	.25	24												
LES BEHOLDEN	160	218															
LETHEM	216	309	8.80	.48	2												
MAHAICONY	205	263	5.27	.38	2												
MATTHEWS RIDGE			4.25	.26	12												
MC NABB	157	288															
PLANTAIN ISLAND			4.25	.35	13												
TIBOKU SITE	11	15	4.47	.23	19												
TIMEHRI APT	75	140	4.87	.25	7												
WAUNA	66	91	5.69	.30	20												

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS FEBRUARY 1977

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
TRINIDAD								
CENTENO	.09	.09	.09	.09	.09	.15	.16	.16
PENAL	.08	.08	.08	.10	.10	.12	.12	.12
PIARCO APT	.06	.07	.09	.09	.09	.11	.11	.15
ST. AUGUSTINE UWI		.05	.05	.05	.06	.07	.08	.14
TOBAGO								
CROWN POINT APT	.05	.05	.08	.10	.10	.10	.10	.10
LOUIS D'OR	.20	.26	.26	.26	.31	.31	.31	.31
BARBADOS								
G.ADAMS APT			.16	.26	.35	.35	.35	.35
HUSBANDS CMI	.05	.06	.06	.07	.13	.18	.21	.26
CAYMAN ISLANDS								
WEST BAY	.22	.37	.51	.71	.93	1.14	1.21	1.24
GUYANA								
EBINI	.12	.20	.30	.35	.43	.45	.61	.70
GEORGETOWN BG	.13	.21	.21	.22	.24	.24	.31	.31
GREAT FALLS	.32	.40	.45	.45	.45	.63	.92	1.09
KAIETEUR FALLS	.09	.16	.20	.26	.36	.36	.59	.87
KAMARANG	.12	.16	.20	.24	.24	.25	.42	.44
LETHEM	.07	.09	.10	.11	.12	.13	.15	.15
MABARUMA	.12	.24	.24	.24	.28	.36	.54	.54
MAHAICONY	.19	.36	.39	.46	.59	.73	.86	.86
MATTHEWS RIDGE	.12	.20	.28	.32	.33	.56	.56	.56
MARIPA	.20	.23	.23	.33	.34	.42	.46	.46
MAZARUNI	.10	.16	.18	.30	.33	.34	.60	.60
NEW AMSTERDAM	.17	.27	.35	.50	.56	1.06	1.60	1.79
PLANTAIN ISLAND	.24	.31	.38	.43	.43	.55	1.01	1.21
ST. FRANCIS MISSION	.17	.19	.22	.26	.38	.43	.68	.96
TIBOKU SITE	.34	.54	.58	.73	.77	.78	1.38	1.75
TIMEHRI APT	.31	.42	.54	.66	.69	.76	.76	.76
WARIMIA	.15	.18	.21	.30	.33	.38	.49	.52
WAUNA	.16	.21	.22	.23	.34	.39	.39	.39

TABLE V – SUMMARY OF WINDSPEED RECORDS FEBRUARY 1977

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
TRINIDAD												
PIARCO APT	08	16	14	9	08	28	1325	9	0	0	0	6.8
TOBAGO												
CROWN POINT APT	09	17	10	15	09	25	1235	9	0	0	0	8.8
BARBADOS												
HUSBANDS CMI	10	16	16	21	09	30	1450	21	0	0	0	8.3
ANTIGUA												
COOLIDGE APT	09	19	14	28	13	31	1535	24	0	0	0	11.8
CAYMAN ISLANDS												
WEST BAY	04	17	02	17	03	32	0110	17	0	0	0	8.7
GUYANA												
GEORGETOWN BG	08	16	12	21	07	31	1045	6	0	0	0	9.3
TIMEHRI APT	03	12	17	21	06	24	1555	11	0	0	0	4.9

TABLE VI - SUMMARY OF SUNSHINE RECORDS FEBRUARY 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19					NIL	0.1-3.0	3.1-6.0	6.1-9.0	9.1-12.0	MORE THAN 12
TRINIDAD																								
PIARCO APT	0	27	91	87	87	86	85	81	77	82	84	77	30	0	250.2	76	11.1	2	0	0	3	8	17	0
ST. AUGUSTINE UWI	0	23	90	97	88	87	83	77	77	82	86	78	12	0	246.1	75	10.7	11	0	0	4	8	16	0
TOBAGO																								
CROWN POINT APT	0	19	73	87	82	82	79	88	80	90	89	76	32	0	245.2	74	10.9	23	0	0	4	8	16	0
LOUIS D'OR	0	16	70	73	81	84	92	90	92	91	76	63	2	0	231.9	70	10.5	28	0	0	5	10	13	0
GRENADA																								
MIRABEAU	0	25	51	64	67	68	71	75	80	70	58	41	4	0	188.7	57	10.3	25	0	2	7	17	2	0
BARBADOS																								
G.ADAMS APT	0	17	72	88	94	93	89	90	87	87	86	78	26	0	254.0	77	11.1	28	0	0	2	9	17	0
HUSBANDS CMI	0	20	78	88	91	91	90	89	81	78	78	46	11	0	235.3	72	11.2	28	0	0	3	14	11	0
ST. VINCENT																								
CAMDEN PARK	0	5	65	84	88	94	90	97	95	94	97	89	48	0	264.9	81	11.3	7	0	0	1	7	20	0
DOMINICA																								
MELVILLE HALL APT	0	3	55	68	75	80	80	81	87	85	70	54	6	0	208.0	64	10.0	17	0	2	5	12	9	0
BR. VIRGIN ISLANDS																								
PARAQUITO BAY	0	28	76	80	89	91	90	92	92	89	82	59	0	0	243.2	75	10.3	28	0	1	0	12	15	0
CAYMAN ISLANDS																								
WEST BAY	0	0	56	77	71	71	73	78	75	69	63	47	2	0	191.2	59	9.9	6	0	4	5	7	12	0
BELIZE																								
BELIZE APT	0	5	45	53	57	60	67	63	60	53	54	47	14	0	161.5	50	10.3	3	2	6	6	8	6	0
BELMOPAN	0	1	21	29	39	57	63	58	57	58	49	45	12	0	137.0	42	10.3	26	2	7	4	11	2	0

TABLE VI - SUMMARY OF SUNSHINE RECORDS FEBRUARY 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19					NIL	0.1-3.0	3.1-6.0	6.1-9.0	9.1-12.0	MORE THAN 12
BELIZE																								
CENTRAL FARM	0	0	12	30	42	49	55	54	51	51	53	44	13	0	127.9	39	10.2	25	2	8	6	10	1	0
PUNTA GORDA	0	7	39	48	51	47	50	51	52	50	44	42	11	0	137.7	42	10.5	26	1	10	5	8	4	0
GUYANA																								
EBINI	0	7	51	57	56	60	53	59	65	60	56	49	10	0	162.9	49	10.1	7	0	5	9	8	6	0
FRIENDSHIP	0	3	36	50	55	59	61	67	71	62	63	63	15	0	169.1	50	10.7	7	0	7	6	10	5	0
GEORGETOWN BG	0	9	62	75	74	75	74	81	83	79	74	61	14	0	213.2	64	10.3	5	0	2	6	9	11	0
KAIETEUR FALLS	0	3	10	29	48	51	63	63	56	56	54	42	15	0	137.1	41	10.3	1	0	9	9	7	3	0
KAIRUNI	0	4	52	64	68	50	51	51	53	52	52	54	59	14	160.4	48	10.0	5	0	6	9	7	6	0
KAMARANG	0	2	24	44	51	59	59	64	57	60	56	56	22	0	155.5	47	9.7	2	0	6	8	10	3	0
LES BEHOLDEN	0	3	27	47	60	62	63	67	65	64	69	65	14	0	169.6	51	10.4	7	0	6	7	12	3	0
LETHEM	0	7	32	46	61	58	57	64	68	72	68	58	16	0	168.1	50	11.0	1	0	5	10	6	6	0
MAHAICONY	0	2	45	60	62	71	71	67	66	64	65	59	10	0	179.2	54	10.0	7	0	5	6	14	3	0
MATTHEWS RIDGE	0	3	43	57	68	75	80	69	72	69	61	52	9	0	184.1	55	9.8	22	0	1	12	11	3	0
MAZARUNI	0	0	30	62	66	63	54	38	40	39	48	30	0	0	131.3	39	8.6	23	0	8	11	9	0	0
MON REPOS	0	4	59	76	75	80	81	88	84	79	71	56	11	0	214.1	64	10.0	5	0	1	3	16	8	0
NEW AMSTERDAM	0	8	47	51	58	65	65	67	68	69	73	58	13	0	179.4	54	10.4	7	0	6	4	14	4	0
SKELDON FRONT	0	8	43	50	55	67	66	67	65	74	75	52	1	0	174.7	52	10.0	8	0	4	9	9	6	0
TIBOKU STIE	0	5	33	44	58	68	65	62	66	67	57	41	6	0	160.4	48	9.1	12	0	5	11	10	2	0
TIMEHRI APT	0	11	54	63	59	60	55	51	57	57	61	56	13	0	167.4	50	10.0	20	0	6	10	7	5	0
WAUNA	0	7	49	69	69	65	66	65	62	66	67	62	23	0	187.7	56	10.4	12	0	4	8	6	10	0

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS MARCH 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0—440	440—1,100	1,100—2,200	miles 1¼—2	2—3	3—5	5—10	10 or more
TRINIDAD																							
CENTENO	50	08	77.0	73.1	26.2	83																	
PENAL	25	08	76.3	73.9	27.5	89																	
PIARCO APT	41	02	73.6	71.3	25.2	89	1013.4	4.2	4.1	3	5	13	9	1	0	0	0	0	0	0	14	12	5
		08	77.5	72.9	25.6	80	1015.2	7.1	5.0	1	6	6	17	1	0	0	0	0	1	13	12	5
		14	86.4	73.9	23.0	53	1013.4	12.6	5.5	0	0	15	15	1	0	0	0	1	0	0	11	12	7
PIARCO APT	41	20	76.9	72.8	25.6	81	1013.9	6.3	4.1	5	6	7	11	2	0	0	0	0	0	1	14	10	6
ST. AUGUSTINE UWI	52	09	81.0	73.0	24.3	67		8.7															
TOBAGO																							
CROWN POINT APT		02	76.2	72.1	25.1	81	1013.4	6.7	4.2	0	9	7	11	0	0	0	0	0	0	0	16	6	5
		08	80.4	74.5	26.4	75	1015.1	10.2	4.8	0	5	10	15	1	0	0	0	0	0	0	18	8	5
		14	85.0	76.2	26.9	65	1013.5	13.5	4.1	0	11	8	10	0	0	0	0	0	0	1	16	7	5
		20	78.1	73.4	25.8	79	1014.0	6.9	3.7	0	11	5	9	0	0	0	0	0	0	0	16	6	3
LOUIS D'OR	40	08	80.5	73.3	24.7	70		0.6															
GRENADA																							
MIRABEAU	450	08	79.2	74.8	27.4	81			6.3	0	0	8	17	6	0								
PEARLS APT	22	08	79.3	75.2	28.0	82	1016.8	10.0	4.9	0	3	17	9	2	0	0	0	0	0	1	0	10	20
		14	83.0	77.2	29.3	76	1013.4	10.9	4.4	0	8	11	8	3	0	0	0	0	0	0	0	6	24
BARBADOS																							
G.ADAMS APT	183	02	76.7	71.8	24.4	78	1014.6	11.6	4.3	0	6	15	10	0	0	0	0	0	0	0	0	4	27
		08	78.7	72.6	24.7	74	1016.4	13.9	4.9	0	6	10	15	0	0	0	0	0	0	0	0	1	30
		14	81.4	73.7	24.9	68	1014.8	14.5	4.4	0	7	15	8	1	0	0	0	0	0	0	0	4	27
		20	77.9	72.7	25.1	77	1015.5	11.6	4.6	0	3	15	13	0	0	0	0	0	0	0	0	4	27
HUSBANDS CMI	370	08	76.7	71.3	23.7	75	1016.0	10.5	4.9	0	3	16	12	0	0	0	0	0	0	0	0	16	15
ST. LUCIA																							
HEWANORRA APT	13	08	79.6	72.6	24.2	70	1015.4	13.1	4.2	0	11	9	10	1	0	0	0	0	0	0	0	10	21
		14	83.6	74.3	24.9	63	1014.0	13.6	4.0	0	9	12	10	0	0	0	0	0	0	0	0	10	21
ROSEAU WINBAN		09	81.0	72.5	23.5	65																	
VIGIE APT		08	78.5	71.9	23.8	71	1015.6	8.9	4.1	0	12	6	12	1	0	0	0	0	0	0	0	7	24
		14	83.8	72.8	22.7	57	1014.1	13.3	4.5	0	6	13	12	0	0	0	0	0	0	0	0	1	30
DOMINICA																							
MELVILLE HALL APT		08	76.5	71.3	24.0	77	1015.8	7.9	5.3	0	3	11	13	1	0	0	0	0	0	0	0	6	22
		14	82.4	73.1	23.7	63	1014.8	11.6	4.4	0	5	16	6	2	0	0	0	0	1	0	0	0	28

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS MARCH 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eights) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0—440	440—1,100	1,100—2,200	miles 1¼—2	2—3	3—5	5—10	10 or more
ANTIGUA																							
COOLIDGE APT	26	02	74.8	70.3	23.3	79	1015.5	10.7	2.5	2	17	8	4	0	0	0	0	0	0	0	0	1	30
		08	77.4	71.6	23.9	74	1017.0	12.5	3.8	0	12	8	10	1	0	0	0	0	0	0	0	1	30
		14	81.7	73.3	24.1	65	1015.8	13.8	3.6	0	12	11	7	1	0	0	0	0	0	0	0	1	30
		20	76.4	71.5	24.1	78	1016.4	10.6	2.9	1	16	7	7	0	0	0	0	0	0	0	0	2	29
ST. KITTS/NEVIS																							
GOLDEN ROCK APT		08	76.8	70.6	22.9	73	1018.0	11.9	4.4	0	8	11	12	0	0	0	0	0	0	0	0	3	28
		14	81.2	72.4	23.2	64	1017.1	12.4	3.8	0	10	12	9	0	0	0	0	0	0	0	0	0	31
CAYMAN ISLANDS																							
WEST BAY		09	81.6	74.9	26.6	72		9.9	2.8	1	19	7	2	2	0								
BELIZE																							
BELIZE APT	17	00	76.1	74.8	28.8	94	1012.9	4.7	2.6	8	11	5	7	0	0	0	0	0	0	0	0	7	24
		06	74.8	73.4	27.6	94	1012.4	5.1	3.9	2	9	8	9	3	0	0	0	0	0	1	15	15
		12	83.8	77.8	30.0	76	1013.2	9.5	3.7	1	8	17	3	2	0	0	0	0	0	1	11	19
		18	78.8	75.9	29.3	87	1011.4	6.0	2.3	5	14	9	2	1	0	0	0	0	0	1	7	23
GUYANA																							
BARTICA POT	400	09	74.7	72.8	26.8	91																	
		15	84.0	74.7	25.5	64																	
EBINI	94	09	74.5	72.8	26.7	92	1014.2	0.5	4.5	0	7	12	9	3	0	0	0	0	0	3	9	19	0
		15	83.9	74.9	25.5	64	1011.9	8.2	6.2	0	2	5	15	8	0	0	0	0	0	0	8	13	9
FRIENDSHIP		09	76.7	74.2	27.7	88																	
FRIENDSHIP		15	83.6	75.3	26.3	67																	
GEORGETOWN BG	7	09	80.0	74.6	26.7	76	1014.6	8.5	5.2	0	4	11	15	1	0	0	0	0	0	0	0	22	9
		15	83.0	75.8	27.2	71	1014.1	10.1	5.2	0	1	15	13	2	0	0	0	0	0	1	12	18
GREAT FALLS		09	72.3	71.5	26.0	96																	
		15	84.7	77.4	28.8	71																	
KAIETEUR FALLS		09	70.2	69.2	24.0	95	1014.6	2.2	7.3	0	0	1	17	13	0	0	0	1	1	4	6	18	1
		15	77.6	71.9	24.3	75	1011.8	3.4	6.3	0	0	6	23	2	0	0	0	0	0	0	1	8	22
KAMARANG	1625	09	69.4	68.0	22.7	92		0.7	6.1	0	2	7	15	6	1	0	1	0	0	0	0	20	10
		15	79.4	71.0	22.2	65		3.4	6.4	0	1	3	25	2	0	0	0	0	0	0	0	25	6
LES BEHOLDEN		09	78.4	75.8	29.1	88																	

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS MARCH 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths): MEAN AMT	Number of Observations: 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards: 0—440	440—1,100	1,100—2,200	miles: 1/4—2	2—3	3—5	5—10	10 or more
GUYANA																							
LES BEHOLDEN		15	81.3	77.5	30.0	82																	
LETHEM	326	09	78.2	72.4	24.6	75	1015.0	3.2	6.6	0	0	3	21	6	0	0	0	0	0	0	6	9	15
		15	89.8	74.6	22.5	47	1011.9	4.3	6.3	0	0	3	26	1	0	0	0	0	0	0	1	12	17
MAGARUMA	168	09	76.6	73.5	26.7	85	1013.8	4.2	5.3	0	5	6	20	0	0	0	0	0	0	0	4	22	5
		15	83.5	74.4	25.0	64	1012.6	8.4	5.7	0	1	9	20	0	0	0	0	0	0	0	0	24	6
MAHAICONY	6	09	78.8	74.1	26.7	79																	
		15	81.6	75.1	26.8	73																	
MATTHEWS RIDGE		09	74.1	72.6	26.7	93																	
		15	86.2	75.5	25.4	59																	
MAZARUNI	47	09	75.6	73.4	27.1	90																	
MAZARUNI	47	15	82.6	75.1	26.4	69																	
MON REPOS		09	79.4	74.4	26.8	78																	
		15	83.9	76.4	27.6	70																	
NEW AMSTERDAM		09	79.7	75.1	27.5	79																	
		15	82.5	76.1	27.9	74																	
PORT KAITUMA		09	73.4	72.5	26.9	96																	
		15	84.0	75.5	26.4	66																	
SKELDON FRONT		09	78.1	73.8	26.5	81																	
		15	83.0	75.4	26.6	69																	
TIBOKU SITE		09	73.7	72.8	27.2	96																	
TIBOKU SITE		15	82.1	75.4	27.1	72																	
TIMEHRI APT	100	03	72.3	71.4	25.9	96	1012.4	1.2	4.2	5	4	11	9	2	0	0	0	0	0	0	5	21	5
		09	75.9	73.5	27.1	89	1014.4	3.3	5.1	0	9	3	15	4	0	0	0	0	0	0	6	17	8
		15	83.9	74.6	25.2	63	1012.3	9.4	6.3	0	0	9	18	4	0	0	0	0	0	0	3	14	14
		21	75.4	72.7	26.1	87	1012.7	4.0	3.8	6	2	14	8	1	0	0	0	0	0	0	4	22	5
WAUNA		09	75.8	73.6	27.3	90		1.6	4.3	0	6	16	9	0	0	0	1	0	0	1	16	13	0
		15	84.2	74.4	24.6	62		7.6	5.3	0	0	16	14	1	0	0	0	0	0	0	0	9	22

TABLE II SUMMARY OF DAILY OBSERVATIONS MARCH 1977

COUNTRY STATION	RAINFALL (inches)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN			MEAN MAX A	MEAN MIN B	MEAN $\frac{1}{2}$(A+B)	EXTREMES				THUNDER	FOG	HAIL	GALE
				.04	.40	1.00				MAX	MIN						
TRINIDAD																	
CENTENO	4.35	2.67	30	11	1	1	87.2	69.1	78.2	90	63		250.3				
PENAL	1.62	.71	30	6	2	0	88.9	65.0	76.9	91	61						
PIARCO APT	4.53	2.41	30	9	1	1	87.9	71.7	79.[illegible]	90	6[illegible]	68.3	267.9				
ST. AUGUSTINE UWI	1.26	.88	30	4	1	0	87.1	69.0	78.1	90	64		258.2				
TOBAGO																	
CROWN POINT APT	.77	.58	2	3	1	0	86.8	73.7	80.3	88	71		252.0				
LOUIS D'OR	1.31	.81	25	6	1	0	84.3	74.4	79.3	85	69		234.8				
GRENADA																	
MIRABEAU	.93	.24	9	6	0	0	83.7	72.4	78.1	86	69		174.4				
PEARLS APT	.80	.21	5	7	0	0	85.0	75.4	80.2	86	71						
BARBADOS																	
G.ADAMS APT	.36	.15	3	4	0	0	82.9	75.2	79.1	84	71		260.2				
HUSBANDS CMI	.59	.32	3	3	0	0	85.1	67.6	76.4	87	63		279.1				
ST. LUCIA																	
HEWANORRA APT	.58	.33	3	4	0	0	85.3	74.6	80.0	87	71						
ROSEAU WINBAN	1.37	.43	29	8	1	0	85.3	71.0	78.2	87	64		263.2				
VIGIE APT	2.18	.70	5	8	1	0	85.3	73.1	79.2	87	70						
DOMINICA																	
MELVILLE HALL APT	2.84	.72	8	12	2	0	87.8	69.0	78.4	86	67		230.3				
ANTIGUA																	
COOLIDGE APT	.99	.46	24	4	1	0	83.9	72.5	78.2	86	66						
CAYMAN ISLANDS																	
WEST BAY	.46	.14	2	4	0	0	85.9	71.6	78.8	88	64		280.4				

TABLE II SUMMARY OF DAILY OBSERVATIONS MARCH 1977

COUNTRY STATION	RAINFALL (inches)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN			MEAN MAX A	MEAN MIN B	MEAN ½(A+B)	EXTREMES				THUNDER	FOG	HAIL	GALE
				.04	.40	1.00				MAX	MIN						
BELIZE																	
BELIZE APT	2.28	1.88	1	4	1	1	85.9	73.8	79.8	89	67		268.6				
CENTRAL FARM	1.33	.62	7	4	2	0	89.1	66.2	77.7	94	61		235.7	0	26	0	0
PUNTA GORDA	1.36	.55	8	5	1	0	87.2	66.5	76.9	91	62		276.9	0	2	0	0
GUYANA																	
APOTERI	3.32	.97	15	14	3	0											
BARTICA POT	3.55	1.15	16	11	3	1	86.7	68.8	77.8	90	65						
EBINI	4.51	1.29	8	12	4	1	87.1	69.5	78.3	90	66		131.4	0	18	0	0
FRIENDSHIP	3.98	1.49	7	11	4	1	85.5	70.2	77.9	89	66		144.7				
GEORGETOWN BG	.99	.20	7	7	0	0	84.9	74.9	79.9	86	72	72.3	194.1				
GREAT FALLS	6.15	1.37	14	13	6	2	86.3	69.6	77.9	90	66	68.4		4	17	0	0
KAIETEUR FALLS	9.39	2.02	12	21	7	3	79.7	68.2	74.0	84	66	66.9	99.5	2	6	0	0
KAMARANG	3.58	.83	15	12	3	0	81.6	66.4	74.0	86	63	64.2	127.5	0	3	0	0
LES BEHOLDEN	1.65	.60	7	6	2	0	83.6	63.7	73.7	85	62		172.4				
LETHEM	.21	.08	25	2	0	0	90.8	74.1	82.5	93	72		174.5				
MABARUMA	1.55	.64	16	7	2	0	85.4	72.0	78.7	89	69						
MAHAICONY	1.50	.43	7	8	1	0	82.9	75.0	79.0	85	72		147.8				
MATTHEWS RIDGE	2.47	.64	2	13	1	0	87.3			90			151.1				
MAZARUNI	3.78	1.69	25	9	3	1	84.6	71.9	78.3	87	69		67.7				
MON REPOS	1.11	.29	7	9	0	0	84.9	73.0	79.0	86	68		189.1				
NEW AMSTERDAM	5.55	2.40	25	7	3	2	84.8	73.8	79.3	87	72		175.9				
PLANTAIN ISLAND	4.71	1.94	25	10	3	1											
PORT KAITUMA	3.67	1.39	16	10	3	1	87.3	68.5	77.9	90	66						
SKELDON FRONT	1.58	.82	7	7	1	0	84.1	75.4	79.8	85	71		171.9				
TIBOKU SITE	5.55	.80	8	18	4	0	85.4	71.1	78.3	89	67	70.4	104.3	1	0	0	0
TIMEHRI APT	4.40	2.54	26	10	2	1	85.7	70.5	78.1	87	68		150.8				
WAUNA	2.45	1.55	16	6	1	1	86.4	67.9	77.2	91	61		151.7	0	24	0	0

TABLE III – SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS MARCH 1977

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)			SOIL TEMPERATURES °F									TOTAL RADIATION (langleys)		
						At 2 inch depth					At 4 inch depth						
								EXTREMES					EXTREME				
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	MEAN MAX	MEAN MIN	MAX	DATE	MIN	MEAN MAX	MEAN MIN	MAX	MIN	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
TRINIDAD																	
CENTENO	51	82	8.35	.32	18												
PENAL	65	89	7.33	.35	27												
PIARCO APT	116	144	8.05	.38	2												
ST. AUGUSTINE UWI	167	243	6.47	.27	20												
TOBAGO																	
CROWN POINT APT	132	166	9.55	.39	11												
LOUIS D'OR	12	32	7.24	.30	23												
GRENADA																	
MIRABEAU	76	123															
BARBADOS																	
HUSBANDS CMI	150	211	8.23	.40	22	87.3	73.5	94	3	71	85.9	71.7	99	70	15496	620	379
CAYMAN ISLANDS																	
WEST BAY	124	238	7.43	.32	1										17273	632	300
BELIZE																	
BELIZE APT	112	174	6.87	.35	6												
CENTRAL FARM	52	72	6.93	.33	25												
PUNTA GORDA	40	60	6.36	.32	2												
GUYANA																	
APOTERI			5.98	.42	15												
EBINI	61	102	5.98	.34	6										11471	549	174
FRIENDSHIP	63	93	5.22	.26	15												
GEORGETOWN BG	89	142	6.26	.29	4										15122	628	250
KAIETEUR FALLS			4.33	.26	3												
KAMARANG	84	126	4.88	.27	27												
LES BEHOLDEN	140	228															
LETHEM	229	256	11.22	.48	5												
MAHAICONY	207	255	7.59	.33	21												
PLANTAIN ISLAND			4.59	.26	20												
TIBOKU SITE	9	12	4.16	.20	9												
TIMEHRI APT	77	112	5.74	.28	30												
WAUNA	70	99	6.19	.05	1												

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS MARCH 1977

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
TRINIDAD								
CENTENO	.16	.24	.36	.60	.88	1.30	2.64	2.67
PENAL	.09	.12	.16	.21	.22	.34	.53	.71
PIARCO APT	.11	.21	.32	.61	.98	1.82	3.36	3.41
ST. AUGUSTINE UWI		.08	.12	.23	.35	.49	.87	.97
TOBAGO								
CROWN POINT APT	.13	.16	.20	.37	.54	.54	.58	.58
LOUIS D'OR	.12	.24	.36	.68	.75	.75	.81	.81
BARBADOS								
G.ADAMS APT	.03	.06	.08	.10	.10	.10	.16	.16
HUSBANDS CMI	.04	.07	.11	.15	.21	.21	.28	.32
CAYMAN ISLANDS								
WEST BAY	.11	.13	.13	.13	.13	.14	.14	.14
GUYANA								
APAIKWA	.28	.40	.54	.58	.62	.86	1.32	1.36
DAWA	.29	.30	.30	.31	.39	.50	1.02	1.02
EBINI	.40	.48	.63	.80	.88	.90	1.29	1.29
FRIENDSHIP	.18	.19	.26	.47	.66	.66	1.33	1.49
GEORGETOWN BG	.08	.10	.10	.10	.14	.17	.19	.19
GREAT FALLS	.33	.49	.54	.74	1.11	1.25	1.36	1.36
KAIETEUR FALLS	.25	.44	.47	.65	.86	1.10	1.38	2.01
KAMARANG	.12	.20	.24	.40	.62	.68	.82	.83
LETHEM	.03	.06	.07	.08	.08	.08	.08	.08
MABARUMA	.12	.24	.24	.24	.24	.26	.26	.59
MAHAICONY	.11	.15	.18	.21	.22	.22	.36	.43
MATTHEWS RIDGE	.12	.20	.22	.24	.25	.28	.31	.46
MARIPA	.32	.37	.44	.54	.56	.56	.78	.78
MAZARUNI	.28	.48	.52	.62	.64	.79	1.14	1.14
NEW AMSTERDAM	.36	.57	.76	1.00	1.64	1.72	2.29	2.40
PLANTAIN ISLAND	.28	.44	.51	.61	.64	.82	.99	1.78
ST. FRANCIS MISSION	.28	.44	.52	.62	.74	1.05	1.45	1.52
SKELDON FRONT	.08	.13	.14	.20	.36	.60	.78	.82
TIBOKU SITE	.28	.40	.48	.55	.58	.67	.73	.79
TIMEHRI APT			.60	.98	1.30	1.98	2.53	2.54
WAUNA	.20	.28	.42	.48	.71	1.03	1.20	1.32

TABLE V – SUMMARY OF WINDSPEED RECORDS MARCH 1977

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
TRINIDAD												
PIARCO APT	09	18	13	4	08	29	1315	6	0	0	0	7.9
TOBAGO												
CROWN POINT APT	08	17	13	9	07	25	1145	6	0	0	0	9.4
BARBADOS												
HUSBANDS CMI	07	16	14	5	07	32	1325	5	0	0	0	9.5
ANTIGUA												
COOLIDGE APT	10	24	24	21	09	34	1155	21	1	0	0	10.7
CAYMAN ISLANDS												
WEST BAY	11	17	12	27	11	31	0300	3	0	0	0	7.2
GUYANA												
GEORGETOWN BG	04	14	10	16	06	24	0905	16	0	0	0	8.8
KAIETEUR FALLS	07	12	17	26	07	28	1530	4	0	0	0	2.4
TIMEHRI APT	04	13	14	6	03	20	1610	8	0	0	0	5.1

TABLE VI – SUMMARY OF SUNSHINE RECORDS MARCH 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19					NIL	0.1–3.0	3.1–6.0	6.1–9.0	9.1–12.0	MORE THAN 12
TRINIDAD																								
CENTENO	0	1	53	83	84	87	89	89	88	82	73	61	19	0	250.3	67	10.4	22	1	1	2	16	11	0
PIARCO APT	0	16	74	81	84	88	88	91	89	88	82	67	15	0	267.9	72	10.8	2	1	1	2	6	21	0
ST. AUGUSTINE UWI	0	15	80	88	91	92	86	89	83	84	79	69	9	0	268.2	72	10.7	3	1	0	1	12	17	0
TOBAGO																								
CROWN POINT APT	0	9	59	80	83	83	83	90	89	84	78	61	13	0	252.0	68	10.7	7	0	2	3	11	14	0
LOUIS D'OR	0	5	55	72	84	84	87	87	91	84	71	38	1	0	234.8	63	10.2	22	0	1	4	19	7	0
GRENADA																								
MIRABEAU	0	0	34	61	70	74	70	72	66	54	45	17	0	0	174.4	47	9.7	22	0	5	13	11	2	0
BARBADOS																								
G.ADAMS APT	0	8	59	78	85	93	95	93	90	89	84	57	7	0	260.2	70	10.5	1	0	1	0	17	13	0
HUSBANDS CMI	0	11	75	86	89	93	95	95	95	92	89	72	12	0	279.1	75	11.0	30	0	0	1	13	17	0
DOMINICA																								
MELVILLE HALL APT	0	8	55	74	84	76	73	86	90	74	67	41	10	0	230.3	62	10.5	20	0	1	6	13	9	0
CAYMAN ISLANDS																								
WEST BAY	0	3	76	89	92	92	94	94	93	94	94	77	7	0	280.4	75	10.5	25	0	0	2	8	21	0
BELIZE																								
BELIZE APT	0	10	68	81	83	84	90	93	91	90	79	72	25	0	268.6	72	10.4	4	0	2	3	3	23	0
CENTRAL FARM	0	3	23	50	75	72	78	86	89	85	82	80	36	0	235.7	63	11.1	16	1	1	4	16	9	0
PUNTA GORDA	0	9	67	80	85	87	86	88	90	92	90	86	33	0	276.9	74	11.0	17	1	0	3	4	23	0

TABLE VI - SUMMARY OF SUNSHINE RECORDS MARCH 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19					NIL	0.1-3.0	3.1-6.0	6.1-9.0	9.1-12.0	MORE THAN 12
GUYANA																								
EBINI	0	2	40	60	53	44	35	37	43	43	37	28	4	0	131.4	35	10.0	6	1	10	11	7	2	0
FRIENDSHIP	0	2	31	51	48	50	55	55	54	52	41	27	2	0	144.7	38	9.2	20	0	9	10	10	2	0
GEORGETOWN BG	0	3	33	58	62	61	64	62	74	77	75	54	5	0	194.1	52	10.1	30	0	5	9	13	4	0
KAIETEUR FALLS	0	0	7	24	38	43	30	29	36	43	38	27	6	0	99.5	27	6.4	9	2	10	18	1	0	0
KAIRUNI	0	1	30	48	49	50	44	48	52	54	49	36	3	0	143.9	38	9.6	20	0	11	8	10	2	0
KAMARANG	0	2	20	33	47	45	35	43	46	53	52	32	4	0	127.5	34	7.8	3	0	11	14	6	0	0
LES BEHOLDEN	0	0	10	29	57	64	64	67	72	70	67	45	11	0	172.4	46	9.4	29	0	7	9	13	2	0
LETHEM	0	4	27	48	53	60	63	65	62	66	61	46	8	0	174.5	47	9.9	23	0	6	10	11	3	0
MAHAICONY	0	0	20	51	51	58	59	61	55	55	53	21	0	0	147.8	40	7.8	9	1	7	8	15	0	0
MATTHEWS RIDGE	0	1	24	54	56	62	62	57	49	52	37	30	3	0	151.1	40	8.8	10	0	10	7	14	0	0
MAZARUNI	0	0	9	30	35	26	19	21	24	25	20	9	0	0	67.7	18	6.4	20	1	20	9	1	0	0
MON REPOS	0	1	41	67	78	75	67	62	63	63	59	32	2	0	189.1	51	9.2	1	0	3	12	13	3	0
NEW AMSTERDAM	0	0	35	53	55	64	64	67	67	65	58	38	1	0	175.9	47	9.3	29	0	8	6	13	3	0
SKELDON FRONT	0	2	38	61	57	60	67	66	65	58	51	29	1	0	171.9	46	9.6	6	0	7	9	12	3	0
TIBOKU SITE	0	1	27	39	40	39	44	45	35	28	25	12	0	0	104.3	28	6.9	28	0	12	16	3	0	0
TIMEHRI APT	0	1	38	53	47	46	45	50	53	54	55	42	4	0	150.8	42	9.8	20	2	8	10	9	2	0
WAUNA	0	2	36	58	59	55	45	51	51	52	39	36	5	0	151.7	41	9.0	30	1	6	11	13	0	0

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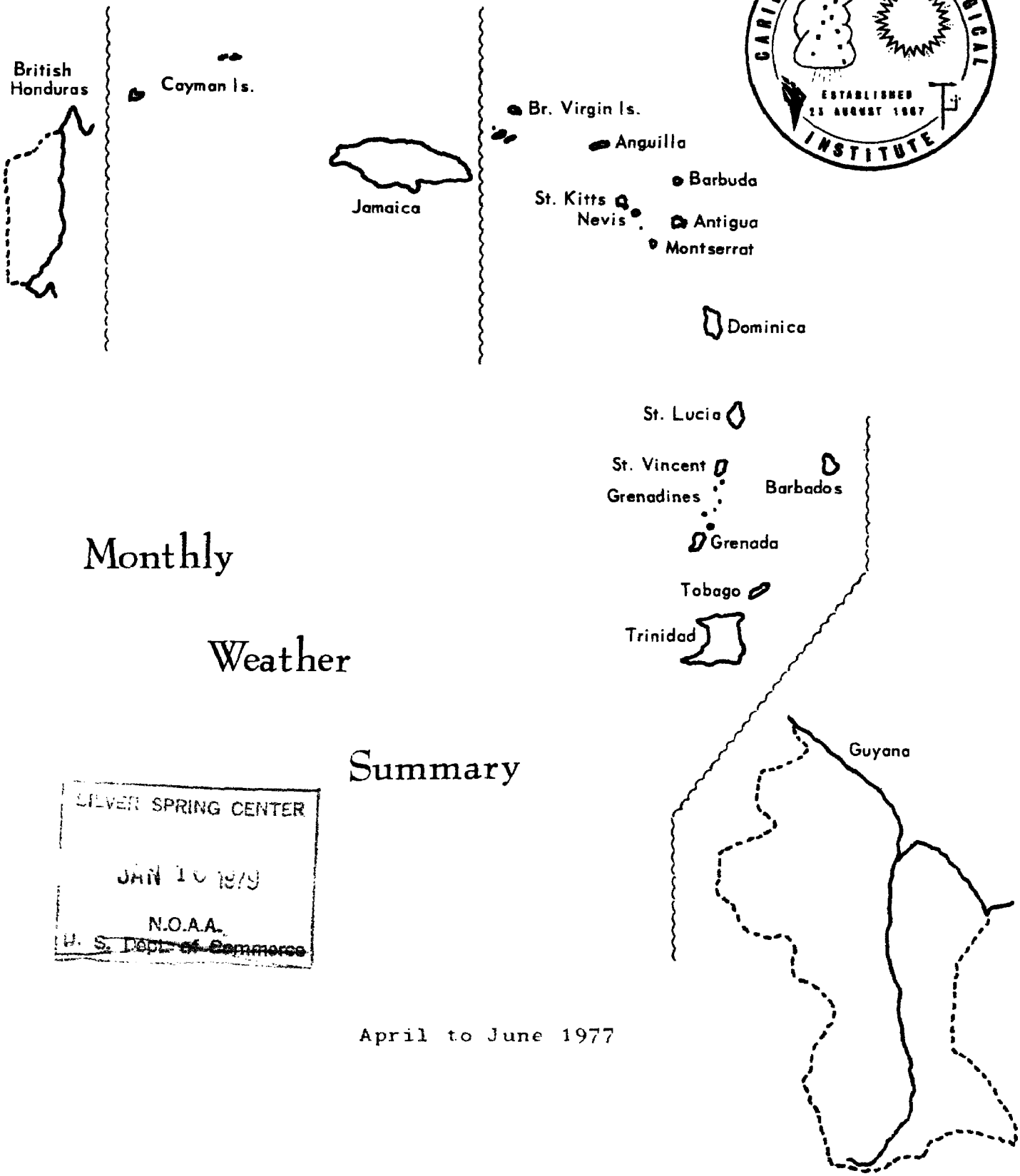

CARIBBEAN METEOROLOGICAL INSTITUTE
ESTABLISHED 25 AUGUST 1967

Monthly Weather Summary

SILVER SPRING CENTER
JAN 10 1979
N.O.A.A.
U. S. Dept. of Commerce

April to June 1977

MONTHLY WEATHER SUMMARY

Prepared and published by the
Caribbean Meteorological Institute
Husbands, St. James, Barbados, W.I.

April to June 1977

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TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS APRIL 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0—440	440—1,100	1,100—2,200	miles 1/4—½	½—1	1—3	3—5	5—10	10 or more
TRINIDAD																								
CENTENO	50	08	78.9	74.4	23.8	71																		
PENAL	25	08	77.4	75.0	28.5	89																		
PIARCO APT	41	02	73.6	71.6	25.6	90	1013.1	1.8	4.2	0	7	12	10	1	0	0	0	0	0	0	3	6	21
		08	78.8	73.9	26.3	78	1014.7	6.3	5.0	0	5	8	17	0	0	0	0	0	0	0	5	8	17
		14	86.6	74.7	23.9	55	1012.8	12.0	6.2	0	1	7	20	2	0	0	0	0	0	0	3	6	21
PIARCO APT	41	20	77.3	73.5	26.5	83	1013.6	4.8	5.0	0	5	10	15	0	0	0	0	0	0	0	3	8	19
ST. AUGUSTINE UWI	52	09	81.9	71.2	25.5	69		8.0																
TOBAGO																								
CROWN POINT APT		02	76.5	72.5	25.5	82	1013.0	4.5	3.5	0	8	12	4	0	0	0	0	0	0	0	1	7	16
		08	81.1	74.6	26.3	73	1014.7	9.5	4.8	0	5	12	13	0	0	0	0	0	0	0	1	7	22
		14	84.1	75.8	26.8	67	1013.1	11.3	5.7	0	3	7	20	0	0	0	0	0	0	0	5	1	24
		20	77.7	73.5	26.3	81	1013.8	4.8	4.5	0	6	8	11	0	0	0	0	0	0	0	1	4	20
LOUIS D'OR	40	08	80.2	74.1	26.1	74		0.1																
GRENADA																								
PEARLS APT	22	08	79.9	75.5	28.6	82	1014.2	9.3	5.3	0	1	14	14	1	0	0	1	0	0	0	0	6	23
		14	82.8	77.3	29.5	77	1012.9	9.6	5.0	0	1	20	6	1	0	0	0	0	0	0	0	5	23
BARBADOS																								
G. ADAMS APT	183	02	76.9	72.6	25.4	80	1014.1	10.1	5.0	0	5	12	11	2	0	0	0	0	0	0	0	1	29
		08	78.9	73.7	26.1	77	1015.9	11.8	5.9	0	3	6	19	2	0	0	0	0	0	0	0	0	30
		14	81.6	74.4	25.8	70	1014.4	12.6	5.5	0	1	12	17	0	0	0	0	0	0	0	0	1	29
		20	78.2	73.1	25.6	78	1015.0	10.5	4.9	0	4	13	12	1	0	0	0	0	0	0	0	2	28
HUSBANDS CMI	370	08	77.9	72.4	24.7	76	1015.6	10.6	5.6	0	1	10	19	0	0	0	0	0	0	0	0	10	20
ST. LUCIA																								
HEWANORRA APT	13	08	79.9	73.1	24.8	71	1014.8	13.0	4.9	0	4	11	14	1	0	0	1	0	0	0	0	0	29
		14	83.2	74.3	25.0	64	1013.5	14.4	4.8	0	4	14	11	1	0	0	0	0	0	0	0	1	29
ROSEAU WINBAN		09	81.1	73.5	24.8	69																	
VIGIE APT		08	79.4	73.3	25.3	74	1014.9	9.6	5.4	0	3	10	13	2	0	0	0	0	0	0	0	1	27
		14	83.7	74.5	25.0	63	1013.6	12.3	5.8	0	1	11	13	3	0	0	0	0	0	0	0	0	28

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS APRIL 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0-440	440-1,100	1,100-2,200	miles 1/4-2	2-1	1-5	5-10	10 or more
DOMINICA																							
MELVILLE HALL APT		08	78.3	72.5	24.8	75	1015.6	5.4	5.6	0	[illegible]	11	16	1	0	0	0	0	0	0	0	7	23
		14	81.9	74.1	25.5	69	1014.2	7.3	5.3	0	1	10	17	2	0	0	0	0	0	0	0	4	26
ANTIGUA																							
COOLIDGE APT	26	02	75.5	72.0	25.2	84	1015.3	13.5	3.8	0	11	10	9	0	0	0	0	0	0	0	0	1	29
		08	78.3	73.1	25.5	77	1016.8	15.0	5.2	0	4	9	17	0	0	0	0	0	0	0	0	0	30
		14	82.9	74.8	25.9	67	1015.6	15.4	4.6	0	5	13	11	1	0	0	0	0	0	0	0	0	30
		20	77.3	72.6	25.4	79	1016.3	14.2	3.5	0	10	14	5	1	0	0	0	0	0	0	0	1	29
ST. KITTS/NEVIS																							
GOLDEN ROCK APT		08	77.6	72.1	24.4	76	1017.9	13.5	5.7	0	1	10	19	0	0	0	0	0	0	0	0	0	30
		14	81.7	74.0	24.8	67	1016.8	14.4	4.7	0	4	13	13	0	0	0	0	0	0	0	0	0	30
CAYMAN ISLANDS																							
WEST BAY		09	82.5	72.5	25.3	67		9.8	3.3	0	13	12	5	0	0								
BELIZE																							
BELIZE APT		00	75.1	73.3	27.4	92	1015.1	4.5	4.2	2	5	16	2	5	0	0	0	0	0	0	0	9	21
		06	72.7	71.6	26.2	96	1014.6	4.6	4.4	3	7	7	7	5	1	0	1	0	1	0	1	18	9
		12	82.8	75.6	27.2	71	1015.3	9.0	4.8	2	4	8	14	2	0	0	0	0	0	0	1	8	21
		18	78.5	75.0	28.2	85	1013.6	6.4	5.2	1	6	6	10	7	0	0	1	0	0	0	1	7	21
GUYANA																							
EBINI	94	09	75.8	74.0	27.9	92	1013.9	1.2	5.0	0	5	13	9	3	0	0	0	0	0	0	9	18	3
		15	85.2	75.0	25.1	61	1011.4	6.5	5.9	0	0	11	17	2	0	0	0	0	0	0	3	16	11
FRIENDSHIP		09	77.4	74.9	28.5	89																	
		15	83.2	75.7	27.3	70																	
GEORGETOWN BG	7	09	80.5	75.4	27.8	78	1014.4	7.3	5.7	0	1	11	17	1	0	0	0	0	0	0	0	23	7
GEORGETOWN BG	7	15	82.6	75.9	27.5	72	1013.7	8.8	5.0	0	3	15	9	3	0	0	0	0	0	0	0	23	7
GREAT FALLS		09	73.7	72.8	27.1	95																	
		15	84.6	77.4	28.8	71																	
KAMARANG	1625	09	71.3	69.2	23.4	89		1.5	6.0	0	3	5	16	6	0	0	0	0	0	0	0	21	9
		15	81.5	72.2	22.8	62		3.4	5.4	0	3	10	17	0	0	0	0	0	0	0	0	26	4

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS APRIL 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0-440	440-1,100	1,100-2,200	miles 1/4-1/2	1/2-1	1-3	3-5	5-10	10 or more
GUYANA																								
LES BEHOLDEN		09	79.2	75.9	28.7	84																		
		15	83.5	77.9	29.8	76																		
LETHEM	326	09	80.0	73.4	25.1	72	1014.6	4.2	6.5	0	0	3	21	4	0	0	0	0	0	0	0	2	26	
		15	91.2	75.4	23.0	46	1011.3	3.6	5.8	0	0	5	23	0	0	0	0	0	0	0	1	0	27	
MABARUMA	168	09	78.5	74.4	27.2	82	1013.3	3.4	3.7	0	11	13	6	0	0	0	0	0	0	0	1	26	3	
MABARUMA	168	15	85.2	75.0	25.0	61	1011.7	7.7	5.7	0	3	7	20	0	0	0	0	0	0	0	0	18	12	
MAHAICONY	6	09	80.8	75.3	27.4	77																		
		15	83.2	76.0	27.4	71																		
MATTHEWS RIDGE		09	75.9	73.6	27.2	89																		
		15	87.0	75.0	24.6	56																		
MAZARUNI	47	09	76.7	74.3	27.9	89																		
		15	83.5	76.0	27.3	70																		
MON REPOS		09	80.8	74.4	26.3	73																		
		15	84.0	75.8	26.9	68																		
NEW AMSTERDAM	3	09	79.9	76.3	29.3	84																		
NEW AMSTERDAM	3	15	83.8	77.4	29.2	74																		
PORT KAITUMA		09	75.8	74.0	27.8	91																		
		15	85.1	76.2	27.0	66																		
SKELDON FRONT		09	78.4	74.4	27.2	94																		
		15	82.4	75.6	27.3	72																		
TIBOKU SITE		09	75.5	74.2	28.3	94																		
		15	84.4	76.9	28.2	70																		
TIMEHRI APT	100	03	72.4	71.7	26.2	96	1012.4	1.8	3.4	6	8	6	8	2	0	0	0	0	0	0	2	16	12	
		09	77.8	74.6	27.8	86	1014.1	3.5	5.6	0	3	7	17	3	0	0	0	0	0	1	1	14	14	
		15	84.7	75.3	25.5	63	1011.7	7.7	6.5	0	0	8	17	5	0	0	0	0	0	1	2	7	20	
TIMEHRI APT		21	76.1	73.4	26.8	87	1012.5	3.4	4.0	2	9	8	8	3	0	0	0	0	0	0	0	14	16	
WAUNA		09	78.6	74.9	27.9	89		2.5	3.7	0	6	20	4	0	0	0	0	0	0	0	8	22	0	
		15	85.6	75.6	25.7	61		6.2	5.6	0	0	11	19	0	0	0	0	0	0	0	0	6	24	

TABLE II SUMMARY OF DAILY OBSERVATIONS APRIL 1977

COUNTRY STATION	RAINFALL (inches) TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN .04	.40	1.00	AIR TEMPERATURE °F MEAN MAX A	MEAN MIN B	MEAN ½(A+B)	EXTREMES MAX	MIN	MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH THUNDER	FOG	HAIL	GALE
TRINIDAD																	
CENTENO	1.74	.85	3	8	1	0	86.7	69.2	78.0	89	64		208.4				
PENAL	3.28	1.92	1	6	3	1	88.5	66.8	77.7	91	63						
PIARCO APT	.42	.09	8	4	0	0	88.2	71.6	79.9	91	68	67.5	227.2	2	0	0	0
ST. AUGUSTINE UWI	1.91	.86	5	5	2	0	87.1	69.7	78.4	89	64		224.3				
TOBAGO																	
CROWN POINT APT	2.04	.55	3	10	1	0	86.5	74.1	80.3	89	69	70.2	204.6				
LOUIS D'OR	4.18	1.18	4	11	4	1	84.2	73.7	79.0	86	69		201.7				
GRENADA																	
PEARLS APT	4.17	.94	25	14	3	0	84.8	73.0	78.9	86	71						
BARBADOS																	
G. ADAMS APT	2.17	.44	3	13	1	0	82.7	75.0	78.9	84	71		253.1				
HUBBANDS CMI	1.90	.75	25	13	1	0	85.9	68.8	77.4	89	67		238.7				
ST. LUCIA																	
HEWANORRA APT	2.01	.60	24	11	2	0	85.8	74.8	80.1	87	68						
ROSEAU WINBAN	4.12	1.14	24	12	4	1	85.7	72.6	79.2	89	66		230.2				
VIGIE APT	2.57	.51	24	10	2	0	85.6	73.7	79.7	88	71						
DOMINICA																	
MELVILLE HALL APT	5.26	1.44	23	15	3	2	84.2	71.9	78.1	87	68		216.4				
ANTIGUA																	
COOLIDGE APT	1.69	.27	14	14	0	0	84.4	73.8	79.1	88	70						
CAYMAN ISLANDS																	
WEST BAY	2.88	2.01	23	4	1	1	86.2	74.2	80.2	88	67		249.8				

TABLE II SUMMARY OF DAILY OBSERVATIONS APRIL 1977

COUNTRY STATION	RAINFALL (inches)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN .04	.40	1.00	MEAN MAX A	MEAN MIN B	MEAN ½(A+B)	EXTREMES MAX	EXTREMES MIN			THUNDER	FOG	HAIL	GALE
BELIZE																	
BELIZE APT	3.92	.92	12	13	4	0	85.9	71.4	78.6	94	63		225.8	4	1	0	0
CENTRAL FARM	4.31	1.10	5	10	5	1	87.2	67.3	77.3	93	61		191.5	3	24	0	0
PUNTA GORDA	5.99	1.74	10	13	4	1	80.0	67.5	73.8	89	59		178.1	2	0	0	0
GUYANA																	
APOTERI	1.68	.50	7	8	2	0											
DAWA	5.99	3.88	6	12	3	1											
EBINI	3.78	.98	7	12	3	0	87.2	70.6	78.9	91	66	67.2	147.6	0	22	0	0
FRIENDSHIP	5.64	1.67	7	13	6	2	86.3	70.8	78.6	90	65		143.7				
GEORGETOWN BG	9.84	3.14	6	6	4	4	85.1	74.7	79.9	90	71	71.6	206.7				
GREAT FALLS	4.13	.87	6	15	5	0	87.3	70.2	78.8	92	66	69.1		3	13	0	0
KAMARANG	2.02	.50	2	13	1	0	83.5	67.6	75.6	88	65	65.9	126.0				
LES BEHOLDEN	3.24	1.15	5	9	3	1	85.2	63.3	74.3	87	62		174.1				
LETHEM	.36	.15	23	4	0	0	89.0	72.6	80.8	95	72		201.9	1	0	0	0
MABARUMA	.91	.32	12	5	0	0	87.2	72.2	79.7	90	68						
MAHAICONY	2.01	.62	7	10	2	0	84.7	75.5	80.1	86	71		152.2				
MATTHEWS RIDGE	2.01	.64	7	6	3	0	86.2	67.3	76.8	91	64		193.7				
MAZARUNI	6.12	2.54	7	11	4	3	85.7	72.3	79.0	88	69		99.6				
MON REPOS	7.54	2.93	7	7	4	3	85.2	73.2	79.2	87	70		190.0				
NEW AMSTERDAM	3.93	1.35	6	15	3	1	85.3	74.0	79.7	87	70		180.5				
PLANTAIN ISLAND	6.02	1.29	6	16	6	1								5	0	0	0
PORT KAITUMA	3.31	1.37	12	9	3	1	89.2	68.6	78.9	91	64						
SKELDON FRONT	2.62	.41	5	12	1	0	84.5	72.4	78.5	86	67		164.2				
TIBOKU SITE	4.59	1.56	7	17	3	1	86.2	72.3	79.3	90	69	70.9	131.3	7	0	0	0
TIMEHRI APT	6.86	2.28	7	8	4	3	86.4	70.9	78.7	90	66		138.2				
WAUNA	.85	.23	7	8	0	0	88.1	68.4	78.3	91	64		193.8	0	30	0	0

TABLE III - SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS APRIL 1977

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)			SOIL TEMPERATURES °F									TOTAL RADIATION (langleys)		
						At 2 inch depth					At 4 inch depth						
								EXTREMES					EXTREME				
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	MEAN MAX	MEAN MIN	MAX	DATE	MIN	MEAN MAX	MEAN MIN	MAX	MIN	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
TRINIDAD																	
CENTENO	20	91	6.86	.30	24												
PENAL	52	96															
PIARCO APT	73	117	7.42	.35	15												
ST. AUGUSTINE UWI	72	119	5.60	.25	21												
TOBAGO																	
CROWN POINT APT	97	170	8.08	.43	25												
LOUIS D'OR	5	14	6.16	.33	21												
BARBADOS																	
HUSBANDS CMI	144	241	8.31	.44	20										17887	735	308
CAYMAN ISLANDS																	
WEST BAY	122	253	7.89	.35	10										15984	648	60
BELIZE																	
BELIZE APT	83	166													15914	820	257
CENTRAL FARM	51	96	6.32M	.35	28												
PUNTA GORDA	45	98	6.06	.40	5										12708	750	275
GUYANA																	
APOTERI			5.99	.31	20												
DAWA			5.33	.29	2												
EBINI	45	86	6.20M	.30	19										11229	528	152
FRIENDSHIP	53	82	4.50	.30	2												
GEORGETOWN BG	68	103	6.12	.31	10										15424	666	198
GREAT FALLS			3.19	.22	13												
KAMARANG	88	136	5.23	.34	1												
LEE BEHOLDEN	95	164															
LETHEM	214	251															
MAHAICONY	194	241	6.66	.29	10												
MATTHEWS RIDGE			4.54	.35	24												
NEW AMSTERDAM	184	256															
PLANTAIN ISLAND			4.47	.24	24												
TIBOKU SITE	11	22	4.19	.20	5												
TIMEHRI APT	67	95	6.16	.33	16												
WAUNA	73	93	7.25	.37	20												

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS APRIL 1977

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
TRINIDAD								
CENTENO	.16	.28	.35	.44	.59	.85	.85	.85
PENAL	.26	.34	.50	.58	.77	1.22	1.58	1.92
PIARCO APT	.02	.03	.05	.06	.06	.06	.08	.09
ST. AUGUSTINE UWI		.24	.34	.58	.82	.86	.86	.86
TOBAGO								
CROWN POINT APT			.38	.55	.55	.55	.55	.55
LOUIS D'OR	.20	.24	.34	.52	.82	1.06	1.08	1.18
BARBADOS								
G. ADAMS APT	.07	.10	.15	.30	.35	.42	.42	.42
HUSBANDS CMI	.09	.12	.20	.28	.36	.45	.63	.75
CAYMAN ISLANDS								
WEST BAY			.58	.94	1.14	1.20	1.90	2.01
GUYANA								
APAIKWA	.24	.36	.44	.48	.52	.63	1.17	1.33
DAWA	.33	.49	.55	.70	1.21	1.90	3.40	3.80
EBINI	.13	.21	.24	.28	.33	.40	.87	.97
FRIENDSHIP	.32	.62	.74	.95	1.23	1.71	2.59	2.75
GREAT FALLS	.20	.28	.32	.35	.36	.36	.52	.70
KAMARANG	.05	.08	.12	.20	.22	.39	.50	.50
LETHEM	.03	.06	.07	.09	.09	.11	.15	.15
MABARUMA	.05	.10	.15	.15	.27	.27	.32	.32
MAHAICONY	.11	.19	.27	.32	.34	.39	.61	.62
MATTHEWS RIDGE	.16	.24	.28	.36	.40	.52	.61	.64
MAZARUNI	.24	.38	.42	.72	1.02	1.02	1.02	1.02
NEW AMSTERDAM	.16	.29	.35	.48	.62	.62	1.05	1.28
PLANTAIN ISLAND	.32	.41	.45	.45	.45	.62	.82	.96
ST. FRANCIS MISSION	.13	.19	.19	.30	.34	.52	.71	.81
SKELDON FRONT	.12	.20	.22	.31	.31	.31	.31	.34
TIBOKU SITE	.32	.52	.52	.52	.52	.68	.71	.76
TIMEHRI APT	.30	.44	.63	.66	.83	1.19	1.28	1.45
WARIMIA	.22	.22	.32	.64	.88	.95	1.65	1.65
WAUNA	.03	.05	.07	.09	.13	.15	.22	.23

TABLE V – SUMMARY OF WINDSPEED RECORDS APRIL 1977

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
TRINIDAD												
PIARCO APT	07	16	15	5	07	26	1440	5	0	0	0	4.9
TOBAGO												
CROWN POINT APT	09	16	12	27	09	27	1150	27	0	0	0	6.6
BARBADOS												
HUSBANDS CMI	09	17	10	27	10	31	1155	30	0	0	0	9.1
ANTIGUA												
COOLIDGE APT	07	24	22	21	08	35	2130	21	6	0	0	15.8
CAYMAN ISLANDS												
WEST BAY	17	17	12	4	17	32	1130	5	0	0	0	8.1
GUYANA												
EBINI	04	13	13	15	04	25	1310	19	0	0	0	4.0
GEORGETOWN BG	08	13	16	8	08	25	1345	8	0	0	0	7.7
TIMEHRI APT	04	12	15	12	02	19	1435	12	0	0	0	4.6

TABLE VI - SUMMARY OF SUNSHINE RECORDS APRIL 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19					NIL	0.1-3.0	3.1-6.0	6.1-9.0	9.1-12.0	MORE THAN 12
TRINIDAD																								
CENTENO	0	17	64	77	74	71	63	67	70	61	54	49	22	0	208.5	56	10.5	15	1	0	10	11	8	0
PIARCO APT	0	41	75	82	78	71	66	66	72	60	62	56	28	0	227.2	61	11.0	15	0	3	4	12	11	0
ST. AUGUSTINE UWI	0	38	76	79	81	74	72	71	71	59	60	50	17	0	224.3	61	11.2	15	1	1	6	7	15	0
TOBAGO																								
CROWN POINT APT	0	36	71	73	76	75	72	63	63	62	48	40	25	0	204.6	57	11.2	14	0	3	7	8	11	0
LOUIS D'OR	0	11	60	66	70	73	71	70	76	69	58	39	8	0	201.7	54	10.5	21	0	6	6	10	8	0
BARBADOS																								
G. ADAMS APT	0	26	67	80	87	85	85	73	84	86	81	62	28	0	253.1	68	11.0	29	0	0	6	8	16	0
HUSBANDS CMI	0	32	65	75	78	80	80	77	78	76	67	61	27	0	238.7	64	11.6	29	0	1	7	8	14	0
DOMINICA																								
MELVILLE HALL APT	0	28	51	60	72	73	76	75	77	71	65	50	23	0	216.4	58	11.0	15	0	3	4	16	7	0
CAYMAN ISLANDS																								
WEST BAY	0	13	76	92	92	91	85	77	78	72	70	67	20	0	249.8	66	11.1	27	0	1	6	6	17	0
BELIZE																								
BELIZE APT	0	24	56	65	65	66	67	72	69	71	61	58	29	0	225.8	62	11.7	26	0	4	1	11	11	0
CENTRAL FARM	0	9	22	54	62	66	65	72	67	60	61	61	37	2	191.5	51	11.4	26	1	8	2	9	10	0
PUNTA GORDA	0	10	46	52	56	64	57	54	62	67	58	52	16	0	178.1	47	11.2	29	0	8	7	6	9	0

TABLE VI - SUMMARY OF SUNSHINE RECORDS APRIL 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19					NIL	0.1-3.0	3.1-6.0	6.1-9.0	9.1-12.0	MORE THAN 12
GUYANA																								
EBINI	0	13	43	48	56	54	48	45	40	47	42	37	16	0	147.6	40	9.8	20	1	10	5	11	3	0
FRIENDSHIP	0	13	34	49	54	47	42	43	47	47	52	49	19	0	143.7	41	10.8	30	1	10	7	5	6	0
GEORGETOWN BG	0	12	47	59	67	63	67	65	75	73	75	67	19	0	206.7	56	10.5	10	0	5	5	10	10	0
KAIRUNI	0	15	45	48	48	43	36	36	35	36	39	41	17	0	131.2	36	10.4	12	0	13	8	6	3	0
KAMARANG	0	7	26	38	40	49	38	37	43	48	47	34	13	0	126.0	42	8.5	12	0	9	15	6	0	0
LES BEHOLDEN	0	12	31	47	53	59	55	61	62	62	55	54	30	1	174.1	47	11.1	29	0	8	6	7	8	0
LETHEM	0	13	31	53	62	70	69	75	75	80	70	65	31	0	201.9	57	11.2	13	1	2	7	9	9	0
MAHAICONY	0	11	37	46	48	51	46	58	52	52	50	41	16	0	152.2	41	11.5	29	2	9	5	10	4	0
MATTHEWS RIDGE	0	6	54	80	77	85	73	74	66	59	54	44	19	1	193.7	57	9.9	16	0	2	7	10	8	0
MAZARUNI	0	1	22	46	51	42	32	28	32	25	28	24	1	0	99.6	27	7.7	4	3	12	10	5	0	0
MON REPOS	0	10	39	60	64	60	58	64	70	72	69	52	14	2	190.0	52	11.4	29	0	7	5	8	10	0
NEW AMSTERDAM	0	16	43	53	56	64	61	59	58	65	61	50	19	0	180.5	49	11.4	29	1	6	10	5	8	0
SKELDON FRONT	0	22	45	49	55	50	49	51	50	59	59	43	14	1	164.2	45	11.8	29	2	9	5	4	10	0
TIBOKU SITE	0	7	38	48	48	55	47	47	48	42	33	23	2	0	131.3	36	9.9	1	0	7	17	4	2	0
TIMEHRI APT	0	19	50	52	37	39	41	49	44	38	39	45	23	0	138.2	39	10.8	29	1	9	10	6	3	0
WAUNA	0	26	72	76	71	67	59	54	51	47	47	47	30	0	193.8	53	11.3	25	0	2	10	15	3	0

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS MAY 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0-440	440-1,100	1,100-2,200	miles 1/4-2	2-3	3-5	5-10	10 or more
TRINIDAD																							
CENTENO	50	08	80.8	76.0	28.4	79																	
PENAL	25	08	78.8	76.0	29.4	88																	
PIARCO APT	41	02	75.9	74.2	28.0	92	1013.2	3.7	4.6	2	5	11	12	1	0	0	0	0	0	0	7	12	12
		08	80.9	76.2	28.8	80	1014.6	7.9	5.6	0	3	8	18	2	0	0	1	0	0	0	9	13	8
		14	88.0	76.7	26.2	58	1012.7	12.0	6.2	0	0	6	24	1	0	0	0	0	0	0	4	12	15
PIARCO APT	41	20	79.1	75.4	28.4	84	1013.4	6.1	4.5	0	7	12	11	1	0	0	0	0	0	0	6	16	9
ST. AUGUSTINE UWI	52	09	83.2	75.8	27.2	70		15.4															
TOBAGO																							
LOUIS D'OR	40	08	82.6	76.4	28.2	74		0.3															
GRENADA																							
MIRABEAU	450	08	78.1	76.3	29.2	89			6.5	0	0	4	22	5	0								
PEARLS APT	22	08	81.2	77.4	30.4	84	1013.9	6.8	5.5	0	0	14	15	1	0	0	0	0	0	0	1	8	21
		14	83.9	78.7	31.1	78	1012.9	8.5	5.0	0	2	12	12	0	0	0	0	0	0	0	1	5	20
BARBADOS																							
G. ADAMS APT	183	02	79.0	75.2	28.2	83	1014.2	10.7	5.0	0	3	16	11	1	0	0	0	0	0	0	0	1	30
		08	80.9	75.7	28.0	78	1015.8	11.8	5.4	0	1	14	15	1	0	0	0	0	0	0	0	1	30
		14	83.4	76.5	28.0	72	1014.4	13.1	5.4	0	2	12	17	0	0	0	0	0	0	0	0	0	31
		20	80.0	75.5	28.1	80	1015.0	10.4	5.5	0	1	14	15	1	0	0	0	0	0	0	0	0	31
HUSBANDS CMI	370	08	79.6	69.1	24.4	71	1015.3	11.4	5.3	0	2	14	14	1	0	0	0	0	0	1	0	15	15
ST. LUCIA																							
HEWANORRA APT	13	08	81.3	75.7	27.7	76	1014.7	13.0	5.3	0	4	9	18	0	0	0	0	0	0	0	1	5	25
		14	84.8	77.0	28.2	69	1013.6	13.5	5.1	0	4	8	18	0	0	0	0	0	0	0	0	5	25
ROSEAU WINBAN		09	82.4	75.5	27.1	72																	
VIGIE APT		08	81.2	74.7	26.5	73	1014.6	8.0	5.6	0	1	12	18	0	0	0	0	0	0	0	0	3	28
		14	84.9	74.5	25.9	63	1013.5	11.3	6.1	0	0	8	20	2	0	0	0	0	0	0	0	1	29
DOMINICA																							
MELVILLE HALL APT		08	80.0	74.9	27.3	78	1014.9		5.6	0	1	12	18	0	0	0	0	0	0	0	1	7	23
		14	83.1	76.2	27.5	71	1014.1		5.7	0	1	11	16	3	0	0	0	0	0	0	0	2	29

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS MAY 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths): MEAN AMT	Number of Observations: 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards: 0-440	440-1,100	1,100-2,200	miles: 1/4-2	2-3	3-5	5-10	10 or more
ANTIGUA																							
COOLIDGE APT	26	02	77.7	73.4	26.3	81	1014.8	10.5	4.0	1	9	11	10	0	0	0	0	0	0	0	0	1	30
		08	80.9	74.4	26.2	73	1016.1	12.1	5.3	0	2	13	16	0	0	0	0	0	0	0	0	1	30
		14	84.5	75.5	26.1	65	1015.2	14.0	5.8	0	0	9	22	0	0	0	0	0	0	0	0	0	31
		20	79.1	74.1	26.6	78	1015.6	11.5	4.2	0	9	12	10	0	0	0	0	0	0	0	0	1	30
ST. KITTS/NEVIS																							
GOLDEN ROCK APT		08	80.4	74.6	26.7	75	1017.1	12.2	5.8	0	0	8	23	0	0	0	0	0	0	0	0	1	30
		14	84.1	76.0	27.1	68	1016.5	12.9	5.5	0	4	8	19	0	0	0	0	0	0	0	0	1	30
CAYMAN ISLANDS																							
WEST BAY		09	82.4	76.8	29.0	77		6.6	4.9	0	6	10	10	5	0								
BELIZE																							
BELIZE APT	17	00	77.5	75.8	29.6	92	1011.7	2.4	4.1	0	8	12	6	4	0	0	0	0	0	0	0	12	18
		06	75.1	74.2	28.6	96	1011.3	1.9	5.2	0	4	10	14	2	1	0	2	0	0	0	0	17	12
		12	85.4	78.5	30.4	73	1012.0	7.7	5.1	0	3	14	12	2	0	0	0	0	0	1	1	7	22
		18	81.4	77.1	30.0	82	1010.2	5.4	4.6	0	6	12	13	0	0	0	0	0	0	0	0	7	24
GUYANA																							
EBINI	94	09	77.3	75.3	29.0	94	1014.1	1.9	5.6	0	1	12	16	2	0	0	0	0	0	1	8	17	5
		15	85.6	76.3	26.8	64	1011.1	6.5	5.9	0	0	10	21	0	0	0	0	0	0	0	7	18	6
FRIENDSHIP		09	79.1	76.4	29.9	88																	
		15	86.4	77.2	27.8	65																	
GEORGETOWN BG		09	79.6	76.4	29.5	86	1014.5	6.0	5.8	0	1	12	15	3	0	0	0	0	0	0	0	13	18
GEORGETOWN BG		15	82.8	77.5	29.7	78	1013.4	8.2	5.7	0	1	11	19	0	0	0	0	0	0	0	0	11	20
GREAT FALLS		09	75.2	74.2	28.5	96																	
KAMARANG	1625	09	72.3	70.3	24.4	90	1016.9	1.3	6.3	0	2	6	17	6	0	0	0	0	0	0	2	17	12
		15	80.8	72.7	24.0	67	1013.5	3.4	5.4	0	2	12	13	4	0	0	0	0	0	0	0	14	17

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS MAY 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0—440	440—1,100	1,100—2,200	miles 1/4—2	2—3	3—5	5—10	10 or more
GUYANA																							
LES ECHOLDEN		09	79.3	76.4	29.4	86																	
		15	83.4	78.7	31.1	80																	
LETHEM	326	09	78.3	74.7	27.8	84	1015.2	1.6	7.2	0	0	0	18	8	0	0	0	0	0	0	3	3	20
		15	86.0	76.0	26.0	61	1012.4	1.5	6.5	0	0	2	22	3	0	0	0	0	0	0	0	2	25
MABARUMA	168	09	78.8	76.1	29.4	88	1013.3	4.1	5.5	0	5	6	17	3	0	0	0	0	1	0	3	25	2
MABARUMA	168	15	83.0	76.6	28.3	74	1011.7	6.3	6.1	0	1	8	22	0	0	0	0	0	0	0	1	17	13
MAHAICONY	6	09	80.6	76.6	29.4	82																	
		15	84.1	77.4	29.1	73																	
MATTHEWS RIDGE		09	77.3	75.3	29.0	88																	
		15	85.1	75.4	25.9	63																	
MAZARUNI	47	09	78.5	76.2	29.8	89																	
		15	82.9	77.1	29.1	76																	
MC. TAGGART		15	84.0	77.1	28.7	72																	
MON REPOS		09	79.8	75.2	27.7	80																	
		15	84.5	76.7	27.9	69																	
NEW AMSTERDAM	3	09	80.1	76.9	30.1	86																	
		15	84.3	77.7	29.5	73																	
PORT KAITUMA		09	76.6	75.4	29.4	94																	
		15	83.8	77.2	28.9	73																	
SKELDON FRONT		09	79.1	75.7	28.9	85																	
SKELDON FRONT		15	82.9	77.1	29.1	76																	
TIBOKU SITE		09	76.6	75.1	29.0	93																	
		15	84.1	77.7	29.6	74																	
TIMEHRI APT	100	03	74.4	73.6	28.0	97	1012.3	0.7	5.2	2	1	14	13	1	0	0	0	0	0	0	0	20	11
		09	78.8	75.8	29.2	87	1014.2	3.3	6.2	0	1	10	15	5	0	0	0	0	1	0	1	11	18
TIMEHRI APT	100	15	83.9	76.7	28.1	71	1011.5	7.1	6.5	0	0	4	26	1	0	0	0	0	0	0	0	7	24
		21	76.9	75.0	28.8	91	1012.6	2.6	5.7	1	0	12	15	3	0	0	0	0	0	0	1	16	14
WAUNA		09	78.3	75.6	29.0	88		1.7	4.4	0	6	17	8	0	0	0	0	0	0	0	9	19	3
		15	82.6	76.5	28.3	74		5.3	6.0	0	0	11	20	0	0	0	0	0	0	0	3	18	10

TABLE II SUMMARY OF DAILY OBSERVATIONS MAY 1977

COUNTRY STATION	RAINFALL (inches)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH, OR MORE THAN			MEAN MAX A	MEAN MIN B	MEAN ½(A+B)	EXTREMES				THUNDER	FOG	HAIL	GALE
				.04	.40	1.00				MAX	MIN						
TRINIDAD																	
CENTENO	3.93	1.39	16	8	4	1	88.1	71.6	79.9	90	64						
PENAL	1.78	.24	2	9	0	0	90.1	68.0	79.1	93	61						
PIARCO APT	3.10	1.12	16	8	3	1	89.4	74.1	81.8	92	68	70.2	251.4	1	0	0	0
ST. AUGUSTINE UWI	1.57	.57	16	5	2	0	89.2	72.5	80.8	91	67		265.3				
TOBAGO																	
LOUIS D'OR	3.08	.81	28	10	4	0	86.2	76.3	81.2	88	71		239.1				
GRENADA																	
MIRABEAU	2.87	1.18	2	14	2	1	84.4	73.5	78.9	86	70		174.1				
PEARLS APT	2.07	1.00	2	9	2	1	85.5	78.0	81.7	88	75						
BARBADOS																	
G. ADAMS APT	1.23	.20	25	8	0	0	84.9	77.2	81.1	87	72		280.1				
HUSBANDS CMI	1.36	.24	15	10	0	0	87.5	70.6	79.1	91	67		276.0				
ST. LUCIA																	
HEWANORRA APT	2.11	.46	16	12	1	0	85.8	76.4	81.1	88	74						
ROSEAU WINBAN	4.17	.84	3	16	4	0	85.7	74.5	80.1	87	67		260.6				
VIGIE APT	3.44	.50	5	15	3	0	86.9	75.1	81.0	89	71						
DOMINICA																	
MELVILLE HALL APT	4.60	.74	25	18	4	0	84.7	74.7	79.7	87	70		229.7				
ANTIGUA																	
COOLIDGE APT	1.44	.35	1	10	0	0	86.1	76.2	81.1	88	71						
CAYMAN ISLANDS																	
WEST BAY	20.00	8.10	31	19	10	4	85.6	74.1	79.9	89	71		193.2				

TABLE II SUMMARY OF DAILY OBSERVATIONS MAY 1977

COUNTRY STATION	RAINFALL (inches)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN			MEAN MAX A	MEAN MIN B	MEAN ½(A+B)	EXTREMES				THUNDER	FOG	HAIL	GALE
				.04	.40	1.00				MAX	MIN						
BELIZE																	
BELIZE APT	8.02	3.22	14	9	4	4	87.9	73.5	80.7	93	70		257.0	10	1	0	0
CENTRAL FARM	4.00	1.15	27	8	4	2	92.1	69.5	80.8	98	63		235.3	6	30	0	0
PUNTA GORDA	3.99	1.17	1	8	3	1	83.8	72.1	78.0	87	64		240.3	1	0	0	0
GUYANA																	
DAWA	18.20	2.54	20	26	15	5											
EBINI	7.85	1.57	16	15	5	2	88.9	72.7	80.8	92	70	69.9	166.6	11	23	0	0
FRIENDSHIP	7.82	3.34	25	20	4	1	86.4	72.2	80.3	91	70		172.5				
GEORGETOWN BG	12.06	1.75	16	21	10	5	84.8	74.0	79.4	86	72	72.3	190.9	3	0	0	0
GREAT FALLS	9.92	2.47	25	19	7	3	88.6	72.6	80.6	92	69	71.4		12	22	0	0
KAMARANG	12.84	2.32	16	24	9	4	83.5	68.5	76.0	88	66	65.7	120.1	6	2	0	0
LES BEHOLDEN	4.96	.97	31	11	4	0	85.3	63.4	74.4	88	60		251.7				
LETHEM	10.99	1.70	26	17	13	4	88.8	74.2	81.5	96	72						
MABARUMA	11.85	1.93	15	17	12	5	86.0	73.3	79.7	89	72						
MAHAICONY	11.79	3.75	31	17	5	3	85.3	75.5	80.4	87	71		166.6	3	0	0	0
MATTHEWS RIDGE	10.85	1.50	15	25	7	3	88.2	72.1	80.2	91	66		132.0				
MAZARUNI	8.75	1.53	26	20	8	2	86.1	74.2	80.2	90	70		98.7				
MC. NABB	11.48	1.79	2	9	8	5	85.2	68.8	77.0	88	67						
MON REPOS	10.22	1.45	2	20	10	5	85.6	73.4	79.5	87	69		192.7				
NEW AMSTERDAM	6.25	1.04	31	21	5	2	87.2	74.4	80.8	90	72		224.7				
PLANTAIN ISLAND	13.87	1.93	24	24	10	5											
PORT KAITUMA	11.55	1.22	26	25	10	4	88.8	70.4	79.6	91	66			3	0	0	0
SKELDON FRONT	8.11	.97	22	21	9	0	85.8	69.4	77.6	88	68		182.2				
TIBOKU SITE	18.32	1.70	28	27	17	9	86.2	72.7	79.5	90	71	71.6	145.4	8	0	0	0
TIMEHRI APT	12.70	2.09	30	22	10	4	87.3	72.6	79.9	91	70		152.9	7	2	0	0
WAUNA	7.30	1.45	2	18	6	1	87.0	70.4	78.7	91	66		160.5	4	23	0	0

TABLE III—SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS MAY 1[illegible]7

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)			SOIL TEMPERATURE °F At 2 inch depth					At 4 inch depth				TOTAL RADIATION (langleys)		
								EXTREMES					EXTREME				
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	MEAN MAX	MEAN MIN	MAX	DATE	MIN	MEAN MAX	MEAN MIN	MAX	MIN	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
TRINIDAD																	
CENTENO	89	123	7.31	.30	8												
PENAL	71	103	7.24M	.35	19												
PIAROO APT	94	110	8.34	.40	16												
ST. AUGUSTINE UWI	166	228	6.36	.27	11												
TOBAGO																	
LOUIS D'OR	8	23	7.51	.41	30												
GRENADA																	
MIRABEAU	113	183															
BARBADOS																	
HUSBANDS CMI	172	240	9.42	.45	21	86.1	76.6	89	8	74	90.4	75.2	95	70	19857	771	406
CAYMAN ISLANDS																	
WEST BAY	68	155	5.81	.33	26										14422	651	161
BELIZE																	
BELIZE APT	47	117	4.82	.38	23												
CENTRAL FARM	41	60	8.07	.39	22												
PUNTA GORDA	33	52	7.19	.53	2												
GUIANA																	
DAWA			5.09	.26	13												
EBINI	34	66	5.35	.26	5										12670	505	195
FRIENDSHIP	51	77	4.66	.27	14												
GEORGETOWN BG	46	110	5.78	.28	7										13160	604	213
GREAT FALLS	1	3	3.73	.24	23												
KAMARANG	65	110	4.34	.25	2												
LES BEHOLDEN	116	205															
LETHEM	138	226															
MAHAICONY	188	255	7.13M	.32	13												
MC. NABB	169	321															
NEW AMSTERDAM	208	297															
TIBOKU SITE	8	18	4.37	.30	22												
TIMEHRI APT	61	116	5.94	.38	9												
WALNA	66	93	5.62	.34	6												

TABLE IV – SUMMARY OF RAINFALL INTENSITY RECORDS MAY 1977

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
TRINIDAD								
CENTENO	.32	.44	.48	.56	.72	1.16	1.39	1.39
PENAL	.15	.15	.15	.16	.24	.25	.27	.31
PIARCO APT	.20	.24	.33	.48	.60	.91	1.12	1.12
ST. AUGUSTINE UWI		.22	.25	.33	.42	.52	.57	.57
TOBAGO								
LOUIS D'OR	.21	.37	.49	.63	.81	.81	.81	.81
BARBADOS								
G. ADAMS APT		.12	.12	.12	.14	.16	.18	.19
HUSBANDS CMI	.08	.10	.12	.16	.19	.22	.31	.31
CAYMAN ISLANDS								
WEST BAY	.58	.67	.83	1.22	1.99	2.56	4.04	6.58
GUYANA								
APAIKWA	.44	.61	.66	.94	1.06	1.40	1.70	2.06
DAWA	.52	.62	.82	1.05	1.50	1.60	2.41	2.42
EBINI	.30	.48	.59	1.01	1.35	1.46	1.51	1.51
FRIENDSHIP	.58	.70	.95	1.40	2.54	3.34	3.34	3.34
GEORGETOWN BG	.27	.42	.56	.76	.80	1.13	1.34	1.34
GREAT FALLS	.40	.72	.73	1.20	1.77	2.01	2.21	2.47
KAMARANG	.24	.36	.52	.96	1.16	1.40	1.93	2.01
LETHEM	.33	.51	.72	.98	1.16	1.48	1.56	1.56
MABARUMA	.40	.79	.79	.79	1.20	1.48	1.70	1.86
MAHAICONY	.33	.55	.76	1.02	1.59	2.33	2.59	2.59
MARIPA	.33	.45	.49	.69	1.35	2.17	2.36	2.37
MAZARUNI	.20	.40	.62	.90	1.15	1.30	1.43	1.53
NEW AMSTERDAM			.32	.45	.55	.68	.88	1.01
PLANTAIN ISLAND	.58	.80	.88	.99	1.10	1.20	2.02	2.34
ST. FRANCIS MISSION	.24	.33	.37	.52	.60	.70	.93	1.24
SKELDON FRONT	.28	.40	.62	.68	.69	.75	.82	.82
TIBOKU SITE	.56	.63	.71	.85	.86	.91	1.11	1.47
TIMEHRI APT	.40	.56	.72	.97	1.29	1.30	1.30	1.30
WARIMIA	.24	.48	.70	.98	.98	.98	.98	1.46
WAUNA	.21	.42	.70	.79	.80	.82	.88	1.03

TABLE V – SUMMARY OF WINDSPEED RECORDS MAY 1977

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
TRINIDAD												
PIARCO APT	08	17	12	30	08	31	1125	30	0	0	0	7.5
BARBADOS												
HUSBANDS CKI	09	19	11	30	09	32	1245	30	0	0	0	10.0
ANTIGUA												
COOLIDGE APT	10	18	12	23	12	27	0220	23	0	0	0	11.9
CAYMAN ISLANDS												
WEST BAY	08	14	15	2	09	31	1430	2	0	0	0	5.4
GUYANA												
EBINI	03	13	16	11	10	20	1350	15	0	0	0	3.7
GEORGETOWN BG	06	13	16	11	05	28	0445	17	0	0	0	7.1
TIMEHRI APT	04	13	16	11	08	23	1705	16	0	0	0	4.1

TABLE VI – SUMMARY OF SUNSHINE RECORDS MAY 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	6-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19					NIL	0.1-3.0	3.1-6.0	6.1-9.0	9.1-12.0	MORE THAN 12
TRINIDAD																								
PIARCO APT	0	28	68	74	76	76	73	72	73	77	77	78	40	0	251.4	65	11.4	20	0	3	4	8	16	0
ST. AUGUSTINE UWI	0	35	70	78	82	77	84	77	79	77	84	79	34	0	265.3	68	11.2	15	0	1	4	10	16	0
TOBAGO																								
LOUIS D'OR	0	6	58	76	85	85	81	86	84	83	71	51	9	0	239.1	61	10.3	9	0	1	5	17	8	0
GRENADA																								
MIRABEAU	0	16	47	59	61	63	72	70	64	50	37	21	1	0	174.1	44	8.8	30	0	3	15	12	1	0
BARBADOS																								
G. ADAMS APT	0	35	70	85	82	83	87	87	92	91	86	75	31	0	280.1	71	11.4	6	0	2	1	9	19	0
HUSBANDS CMI	1	48	69	80	79	81	87	86	80	81	80	75	43	0	276.0	70	11.9	13	0	2	3	6	20	0
DOMINICA																								
MELVILLE HALL APT	0	40	55	65	76	78	73	73	74	69	64	50	23	0	229.7	57	10.9	5	0	3	7	10	11	0
CAYMAN ISLANDS																								
WEST BAY	0	23	50	61	64	65	66	63	52	51	52	47	31	0	193.2	48	11.3	11	0	8	4	12	7	0
BELIZE																								
BELIZE APT	0	37	66	76	79	82	76	70	75	72	71	68	51	6	257.0	64	12.2	23	0	3	4	6	15	1
CENTRAL FARM	0	3	24	50	72	73	82	87	81	79	77	69	54	8	235.3	59	11.2	22	0	1	5	14	11	0
PUNTA GORDA	0	33	67	79	75	75	80	84	80	67	56	47	31	1	240.3	60	11.5	23	0	1	10	7	13	0

TABLE VI - SUMMARY OF SUNSHINE RECORDS MAY 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19					NIL	0.1-3.0	3.1-6.0	6.1-9.0	9.1-12.0	MORE THAN 12
GUYANA																								
EBINI	0	8	38	50	57	68	71	53	55	59	40	28	11	0	166.6	43	9.5	5	0	8	7	14	2	0
FRIENDSHIP	0	13	46	48	51	59	63	56	54	54	54	43	17	0	172.5	45	10.1	14	0	8	7	14	2	0
GEORGETOWN BG	0	2	25	49	60	61	66	72	67	68	64	60	24	0	190.9	50	10.1	6	0	5	7	15	4	0
KAIRUNI	0	11	47	50	50	59	52	50	43	47	33	27	13	0	150.2	39	9.3	3	0	7	13	8	1	0
KAMARANG	0	8	22	27	33	38	36	40	47	44	35	41	18	0	120.1	31	7.3	6	1	13	9	8	0	0
LES BEHOLDEN	0	19	53	64	79	85	86	87	84	85	79	67	24	0	251.7	66	10.9	7	1	2	2	11	15	0
MAHAICONY	0	13	39	43	52	53	48	53	57	61	58	47	14	0	166.6	43	10.0	9	0	8	11	9	3	0
MATTHEWS RIDGE	0	0	38	58	69	74	66	64	59	36	30	29	6	0	132.0	42	9.9	6	0	5	11	8	1	0
MAZARUNI	0	3	23	35	42	54	34	24	31	30	25	17	1	0	98.7	26	8.5	14	2	15	8	6	0	0
MON REPOS	0	14	39	50	58	64	61	64	63	67	67	58	17	0	192.7	50	10.6	1	0	7	6	12	6	0
NEW AMSTERDAM	0	19	50	61	70	79	81	81	74	76	71	47	16	0	224.7	59	10.4	22	0	4	3	16	7	0
SKELDON FRONT	0	25	60	57	50	44	44	42	59	60	58	56	34	0	182.2	47	10.4	12	0	4	11	12	4	0
TIBOKU SITE	0	1	10	35	48	56	58	67	57	52	44	32	10	0	145.4	38	9.7	1	1	7	14	8	1	0
TIMEHRI APT	0	13	40	51	48	49	50	55	50	41	46	36	14	1	152.9	40	10.0	9	0	7	12	9	3	0
WAUNA	0	18	57	64	64	52	49	39	42	38	43	36	16	0	160.5	42	10.3	4	0	7	12	9	3	0

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths): MEAN AMT	Number of Observations: 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards: 0—440	440—1,100	1,100—2,200	miles: ½—1	1—2	2—3	3—5	5—10	10 or more
TRINIDAD																								
CENTENO	50	08	79.1	76.2	29.5	87		11.3																
PENAL	25	08	79.5	76.8	30.1	88																		
PIARCO APT	41	02	76.1	74.6	28.6	93	1013.9	4.5	5.5	0	4	9	13	4	0	0	0	1	0	1	3	15	10
		08	79.5	76.0	29.0	84	1015.1	7.3	5.5	1	4	6	17	2	0	0	1	1	0	2	6	15	5
		14	83.6	76.5	28.0	71	1013.9	11.1	6.4	0	0	8	15	7	0	0	0	0	0	0	4	14	12
PIARCO APT	41	20	78.1	75.3	28.8	88	1014.5	6.0	5.7	0	5	4	17	4	0	0	0	0	0	0	2	14	14
ST. AUGUSTINE UWI	52	09	81.7	76.5	28.9	78		4.6																
TOBAGO																								
CROWN POINT APT		02	78.7	75.0	28.0	83	1013.7	6.1	3.8	0	9	11	7	0	0	0	0	0	0	0	6	10	11
		08	81.7	76.7	29.1	79	1015.0	9.5	5.2	0	7	5	16	2	0	0	0	0	0	0	4	20	6
		14	84.6	77.8	29.4	72	1013.9	11.8	5.3	0	5	5	17	3	0	0	0	0	1	0	11	7	11
		20	79.5	75.6	28.5	83	1014.4	5.3	4.8	0	5	11	10	2	0	0	0	0	0	0	9	8	11
LOUIS D'OR	40	08	81.6	75.9	28.1	76																		
GRENADA																								
MIRABEAU	450	08	80.3	76.7	29.8	84			6.8	0	0	3	19	7	0									
PEARLS APT	22	08	81.8	78.0	31.1	84	1014.7	11.1	5.1	0	4	11	12	3	0	0	0	0	0	1	3	19	7
		14	83.8	78.7	31.5	81	1013.9	10.5	4.7	0	5	11	5	3	0	0	0	0	1	0	4	9	10
BARBADOS																								
G. ADAMS APT	183	02	79.8	75.4	28.0	81	1014.9	12.9	4.6	0	5	13	11	0	0	0	0	0	0	0	0	4	25
		08	81.2	75.8	28.0	77	1015.7	14.2	5.3	0	2	13	14	1	0	0	0	0	0	0	0	3	27
		14	84.2	76.8	28.2	71	1015.3	16.1	4.6	0	3	19	7	1	0	0	0	0	0	0	0	7	23
		20	80.8	75.8	28.1	78	1015.3	13.1	5.2	0	1	13	15	1	0	0	0	0	0	0	1	6	23
HUSBANDS CMI	370	08	80.4	74.9	26.9	76	1015.9	13.0	4.5	0	2	18	10	0	0	0	0	0	0	0	2	16	12
ST. LUCIA																								
MEWANORRA APT	13	08	82.5	75.7	27.3	72	1015.6	15.2	4.2	0	9	10	11	0	0	0	0	0	0	0	0	13	17
		14	85.8	77.1	28.0	66	1014.9	15.5	3.8	0	10	12	7	1	0	0	0	0	0	0	0	12	18
VIGIE APT		08	82.1	75.1	26.7	71	1015.6	11.7	4.6	0	6	12	11	0	0	0	0	0	0	0	0	4	25
		14	86.4	76.5	26.7	62	1014.7	13.1	4.9	0	3	11	12	2	0	0	0	0	0	0	0	3	25
DOMINICA																								
MELVILLE HALL APT		08	81.7	75.6	27.2	74	1016.3	14.6	5.6	0	0	16	13	1	0	0	0	0	0	0	1	8	21
		14	84.5	77.1	28.2	70	1015.5	16.2	5.4	0	2	10	12	4	0	0	0	0	0	0	1	5	24

TABLE I SUMMARY OF OBSERVATIONS AT SIX HOURS JUNE 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths): MEAN AMT	Number of Observations: 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards: 0-440	440-1,100	1,100-2,200	miles: 1¼-2	2-3	3-5	5-10	10 or more
ANTIGUA																							
COOLIDGE APT	26	02	79.5	74.6	27.1	79	1016.7	14.5	3.7	0	12	10	8	0	0	0	0	0	0	0	0	4	26
		08	82.4	75.4	26.8	71	1017.6	15.7	3.8	0	9	13	7	1	0	0	0	0	0	0	0	3	27
		14	86.3	76.8	27.2	64	1016.9	16.4	4.0	0	4	18	7	1	0	0	0	0	0	0	0	5	25
		20	80.5	75.2	27.4	77	1017.4	14.6	3.4	0	13	11	6	0	0	0	0	0	0	0	0	5	25
ST. KITTS/NEVIS																							
GOLDEN ROCK		08	81.6	76.2	28.5	77	1018.8	14.6	5.2	0	0	19	10	1	0	0	0	0	0	0	0	4	26
		14	85.9	77.7	28.8	68	1018.3	15.2	4.4	0	3	19	7	1	0	0	0	0	0	0	0	0	30
CAYMAN ISLANDS																							
WEST BAY		09	83.4	77.7	29.8	76		9.4	3.8	0	13	8	5	4	0								
BELIZE																							
BELIZE APT	17	00	78.9	74.1	29.3	87	1013.4	5.1	5.2	0	1	15	8	5	0	0	0	0	1	0	0	21	7
		06	77.4	75.9	29.9	93	1012.7	4.4	6.4	0	0	7	14	9	0	0	2	0	0	0	1	17	10
		12	83.9	78.4	30.7	77	1013.5	9.1	6.1	0	1	7	17	5	0	0	0	0	1	0	0	12	17
		18	80.9	77.6	30.9	86	1012.1	6.2	5.9	0	1	10	13	6	0	0	0	0	0	0	0	12	18
GUYANA																							
EBINI	94	09	76.7	75.1	29.1	93	1014.4	1.4	6.1	0	0	6	23	1	0	0	0	0	0	0	2	23	5
		15	84.7	76.7	27.8	68	1011.4	5.4	5.8	0	0	10	14	0	0	0	0	0	0	0	1	20	3
GEORGETOWN BG	7	09	79.2	76.1	29.4	86	1014.6	5.1	5.7	0	1	10	18	1	0	0	0	0	0	0	0	8	22
		15	82.5	77.4	29.6	78	1013.8	7.4	5.6	0	2	7	21	0	0	0	0	0	0	0	0	8	22
GREAT FALLS		09	75.8	74.9	29.1	96																	
GREAT FALLS		15	85.2	77.5	28.9	70																	
ITABRU FALLS		09	76.8	75.6	29.7	94																	
		15	85.7	78.8	30.6	73																	
KAMARANG		09	71.6	70.2	24.0	93	1016.9	1.0	5.5	0	2	11	12	5	0	0	0	0	0	0	2	15	13
		15	79.3	73.1	25.1	73	1013.5	3.0	5.5	0	1	11	18	0	0	0	0	0	0	0	0	8	22

TABLE 1 SUMMARY OF OBSERVATIONS AT FIXED HOURS JUNE 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths): MEAN AMT	Number of Observations: 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards: 0-440	440-1,100	1,100-2,200	miles: 2-4	2-3	3-5	5-10	10 or more
GUYANA																							
LEE BEHOLDEN		09	78.3	76.0	29.4	89																	
		15	84.0	78.9	31.1	78																	
LETHEM	326	09	77.8	74.3	27.4	84	1015.9	2.7	6.7	0	0	3	20	6	0	0	0	1	0	0	1	2	25
		15	85.9	76.4	26.9	64	1012.7	3.6	6.2	0	0	5	22	2	0	0	0	0	0	0	0	7	22
MABARUMA	168	09	76.7	75.3	29.3	93	1013.8	2.4	5.8	0	4	8	15	3	0	0	0	0	1	2	1	17	9
MABARUMA	168	15	81.7	76.6	28.9	78	1012.5	5.8	6.4	0	1	4	20	5	0	0	0	2	0	1	0	11	16
MAHAICONY	6	09	79.5	76.6	29.9	87																	
		15	83.1	77.5	29.6	76																	
MATTHEWS RIDGE		09	76.8	74.8	28.5	90																	
		15	83.3	75.1	26.1	67																	
MAZARUNI	47	09	76.0	74.8	28.8	94																	
		15	79.7	76.5	29.8	86																	
MON REPOS		09	79.2	75.6	28.8	85																	
		15	83.8	76.6	28.1	71																	
NEW AMSTERDAM	3	09	79.5	76.6	30.0	87																	
NEW AMSTERDAM	3	15	83.6	77.9	30.1	77																	
PORT KAITUMA		09	75.4	74.6	28.9	96																	
		15	80.7	76.5	29.4	82																	
SKELDON FRONT		09	77.9	75.5	29.0	89																	
		15	84.4	77.2	28.6	71																	
TIBOKU SITE		09	75.9	74.6	28.8	94																	
		15	82.6	77.5	30.2	79																	
TIMEHRI APT	100	03	74.0	73.5	27.9	97	1012.9	0.8	5.2	0	4	11	12	3	0	0	0	0	1	0	1	20	8
		09	77.6	75.7	29.4	91	1014.4	2.1	6.1	0	1	8	17	4	0	0	0	0	0	1	0	14	15
		15	83.8	77.1	28.7	73	1012.0	5.9	6.4	0	0	7	21	2	0	0	1	0	0	0	1	7	21
		21	76.3	75.0	28.9	94	1013.4	2.1	5.8	0	3	4	19	4	0	0	0	0	0	0	0	4	26

TABLE II SUMMARY OF DAILY OBSERVATIONS JUNE 1977

COUNTRY STATION	RAINFALL (inches) TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN .04	.40	1.00	AIR TEMPERATURE °F MEAN MAX A	MEAN MIN B	MEAN ½(A+B)	EXTREMES MAX	MIN	MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH THUNDER	FOG	HAIL	GALE
TRINIDAD																	
CENTENO	13.25	2.44	3	26	9	4	85.2	72.9	79.1	88	67						
PENAL	12.52	3.83	3	20	13	1	86.2	71.6	78.9	90	68						
PIARCO APT	11.84	2.71	13	23	8	4	85.9	74.4	80.2	89	71	72.0	178.4	4	0	0	0
ST. AUGUSTINE UWI	7.11	1.11	13	17	7	3	86.6	72.6	79.6	89	68		175.8				
TOBAGO																	
CROWN POINT APT	4.65	1.08	13	18	3	1	86.5	75.8	81.2	90	73	73.3	204.1	3	0	0	0
LOUIS D'OR	10.19	1.38	15	23	6	4	84.3	75.8	80.1	86	72		166.8				
GRENADA																	
MIRABEAU	7.23	2.95	17	14	4	3	84.2	73.7	79.0	87	71		130.9				
PEARLS APT	4.85	2.00	17	14	3	1	85.7	77.3	81.5	87	74						
BARBADOS																	
G. ADAMS APT	1.80	.63	14	10	2	0	85.5	78.3	81.9	87	75		259.6				
HUSBANDS CMI	.88	.33	12	7	0	0	88.2	72.6	80.4	91	70		263.0				
ST. LUCIA																	
HEWANORRA APT	.99	.21	29	7	0	0	87.5	78.1	82.8	90	73						
ROSEAU WINBAN	2.67	.49	26	13	2	0	87.5	76.3	81.9	89	70		276.6				
VIGIE APT	3.06	.71	24	11	2	0	87.9	76.3	82.1	89	72						
DOMINICA																	
MELVILLE HALL APT	2.82	.48	2	10	3	0	85.9	76.2	81.1	87	71		234.3				
ANTIGUA																	
COOLIDGE APT	.95	.37	29	5	0	0	87.7	78.1	82.9	89	73						
CAYMAN ISLANDS																	
WEST BAY	6.76	3.16	2	9	6	2	86.8	77.7	82.3	89	73		215.6				

TABLE II SUMMARY OF DAILY OBSERVATIONS JUNE 1977

COUNTRY STATION	RAINFALL (inches)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN			MEAN MAX A	MEAN MIN B	MEAN ½(A+B)	EXTREMES				THUNDER	FOG	HAIL	GALE
				.04	.40	1.00				MAX	MIN						
BELIZE																	
BELIZE APT	16.04	4.77	5	20	9	5	87.1	74.9	81.0	91	71		172.0	15	2	0	0
CENTRAL FARM	7.74	2.06	5	17	7	2	89.2	72.1	80.7	93	69		165.2	5	20	0	0
PUNTA GORDA	19.43	2.50	13	25	15	8	83.2	72.8	78.0	86	64		207.1				
GUYANA																	
DAWA	12.68	2.29	1	25	11	2											
EBINI	10.49	2.65	15	22	9	2	88.9	72.5	80.7	97	70	71.4	162.0	10	15	0	0
FRIENDSHIP	13.28	3.75	9	21	11	3	86.8	72.7	79.8	91	70		159.3				
GEORGETOWN BG	9.12	1.31	2	25	7	3	84.4	73.8	79.1	86	71	72.2	172.8	5	0	0	0
GREAT FALLS	18.38	3.97	9	23	14	5	87.7	72.3	80.0	91	71	71.4		15	22	0	0
ITABRU FALLS	11.09	1.34	22	24	10	3	88.8	74.1	81.5	91	71	73.7		12	0	0	0
KAMARANG	15.48	2.36	15	24	14	4	82.3	67.8	75.1	85	66	66.4	116.4	4	6	0	0
LES BEHOLDEN	6.28	1.16	6	11	9	1	86.9	65.0	76.0	90	62		206.4				
LETHEM	9.58	2.08	22	20	7	2	87.1	71.1	79.1	90	70		188.1	5	0	0	0
MABARUMA	21.01	2.08	9	28	18	8	83.7	72.9	78.3	87	70			13	3	0	0
MAHAICONY	5.81	1.69	27	19	3	1	84.2	75.4	79.8	86	73		167.3				
MATTHEWS RIDGE	8.90	1.00	1	20	9	2	86.9	72.1	79.5	90	70		119.8				
MAZARUNI	13.07	2.81	9	26	12	3	84.4	73.0	78.7	89	71		74.6				
MON REPOS	9.19	1.19	27	23	10	1	84.7	73.0	78.9	86	68		172.2				
NEW AMSTERDAM	7.21	1.64	10	18	6	1	85.6	73.7	79.7	88	72		225.0				
PLANTAIN ISLAND	10.77	1.95	9	26	10	2								7	0	0	0
PORT KAITUMA	16.97	3.83	9	26	14	6	85.8	71.2	78.5	91	69			7	0	0	0
SKELDON FRONT	11.60	2.30	15	19	10	4	86.0	69.7	77.9	89	68		121.3				
TIBOKU SITE	15.03	2.06	9	26	14	5	85.9	72.6	79.3	89	71	71.4	141.2	20	2	0	0
TIMEHRI APT	11.77	2.09	2	26	8	4	85.8	72.2	79.0	89	71		161.2	16	9	0	0

TABLE [illegible] OBSERVATIONS JUN 1971

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)			SOIL TEMPERATURES °F At 2 inch depth					At 4 inch depth				TOTAL RADIATION (langleys)		
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	MEAN MAX	MEAN MIN	EXTREMES MAX	DATE	MIN	MEAN MAX	MEAN MIN	EXTREME MAX	MIN	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
TRINIDAD																	
CENTENO	85	129	4.78	.27	12												
PENAL	68	113	4.79	.31	1												
PIARCO APT	84	130	5.47	.36	1												
ST. AUGUSTINE UWI	64	93	4.17	.23	7												
TOBAGO																	
CROWN POINT APT	101	132	7.80	.47	30												
LOUIS D'OR	7	15	5.49	.37	2												
GRENADA																	
MIRABEAU	141	210															
BARBADOS																	
HUSBANDS CMI	181	234	9.35	.45	25										19822	753	440
CAYMAN ISLANDS																	
WEST BAY	104	183	6.84	.32	17										15368	656	150
BELIZE																	
BELIZE APT	106	189	5.68M	.34	22												
CENTRAL FARM	40	66															
PUNTA GORDA	50	84															
GUYANA																	
DAWA			4.31	.28	4												
EBINI	22	47	5.01	.25	2	85.1	79.9	88	27	79							
FRIENDSHIP	41	56	4.87	.27	15												
GEORGETOWN BG	74	142	4.54	.25	11										13283	570	226
GREAT FALLS	1	3	3.39	.19	18												
ITABRU FALLS	9	15															
KAMARANG	56	63	3.56	.94	30												
LES BEHOLDEN	66	161															
LETHEM	110	209	5.82	.35	15												
MAHAICONY	147	225	5.71	.27.	3												
NEW AMSTERDAM	139	227															
PLANTAIN ISLAND			3.79	.25	30												
TIBOKU SITE	9	11	3.90	.18	11												
TIMEHRI APT	45	75	5.09M	.44	3												

TABLE IV – SUMMARY OF RAINFALL INTENSITY RECORDS JUNE 1977

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
TRINIDAD								
CENTENO	.40	.53	.55	.73	.95	1.29	1.37	2.04
PENAL	.48	.56	.61	.88	1.42	1.59	2.75	3.28
PIARCO APT	.51	.69	.72	.73	1.16	1.48	2.30	2.39
ST. AUGUSTINE UWI		.27	.40	.48	.65	.79	1.58	1.59
TOBAGO								
CROWN POINT APT	.20	.20	.29	.31	.34	.43	.79	1.00
LOUIS D'OR	.32	.52	.64	.81	1.10	1.66	1.93	1.93
BARBADOS								
G. ADAMS APT			.20	.33	.47	.47	.58	.58
CAYMAN ISLANDS								
WEST BAY	.41	.55	.57	.76	1.23	2.00	2.64	3.16
GUYANA								
APAIKWA	.50	.65	.77	1.10	1.15	1.47	1.59	1.71
DAWA	.23	.40	.45	.47	.72	.87	1.16	1.94
EBINI	.39	.62	.88	1.68	2.05	2.08	2.35	2.63
FRIENDSHIP	.43	.52	.65	1.30	1.88	2.16	2.46	2.95
GEORGETOWN BG	.40	.56	.57	.86	1.12	1.15	1.29	1.29
GREAT FALLS	.60	.76	1.05	1.71	2.88	3.49	3.91	3.95
ITABRU FALLS	.44	.70	.80	1.09	1.09	1.09	1.22	1.31
KAMARANG	.34	.62	.68	.77	.77	1.05	1.74	1.98
LETHEM	.56	.73	.84	1.20	1.68	1.70	1.70	1.70
MACKENZIE						2.27	2.45	2.54
MAHAICONY	.32	.44	.52	.82	.82	.91	.92	.92
MAZARUNI	.32	.57	.87	.92	1.08	1.16	2.56	2.81
NEW AMSTERDAM	.30	.46	.51	.68	.73	.88	1.64	1.64
PLANTAIN ISLAND	.28	.34	.45	.60	.94	1.12	1.19	1.45
ST. FRANCIS MISSION	.40	.55	.77	1.02	1.88	1.89	1.89	1.89
TIBOKU SITE	.29	.49	.67	.91	1.09	1.11	1.24	1.93
TIMEHRI APT	.52	.79	1.08	1.70	1.78	1.78	2.09	2.09
WARIMIA	.30	.60	.79	1.20	1.48	1.56	1.88	1.88

TABLE V - SUMMARY OF WINDSPEED RECORDS JUNE 1977

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
TRINIDAD												
CENTENO	08	18	13	9	07	41	1235	9	5	0	0	6.4
PIARCO APT	08	22	12	9	07	35	1105	9	2	0	0	7.5
TOBAGO												
CROWN POINT APT	07	17	12	9	09	29	1000	17	0	0	0	8.1
ANTIGUA												
COOLIDGE APT	10	22	09	28	09	32	1430	29	0	0	0	15.7
CAYMAN ISLANDS												
WEST BAY	20	15	10	2	21	36	0900	2	1	0	0	7.1
GUYANA												
EBINI	13	16	17	19	10	23	0245	14	0	0	0	3.1
GEORGETOWN BG	36	15	08	29	36	32	0715	29	0	0	0	5.3
TIMEHRI APT	04	12	16	7	04	23	1550	7	0	0	0	3.7

TABLE VI - SUMMARY OF SUNSHINE RECORDS JUNE 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19					NIL	0.1-3.0	3.1-6.0	6.1-9.0	9.1-12.0	MORE THAN 12
TRINIDAD																								
PIARCO APT	0	28	55	62	66	61	52	45	54	57	53	40	22	0	178.4	45	11.5	1	3	5	5	8	9	0
ST. AUGUSTINE UWI	0	24	59	58	63	62	61	52	47	57	49	40	14	0	175.8	46	10.8	1	3	4	8	7	8	0
TOBAGO																								
CROWN POINT APT	0	31	61	62	70	68	66	63	69	65	56	44	25	0	204.1	54	11.3	30	1	5	6	6	12	0
LOUIS D'OR	0	10	37	56	64	62	54	66	60	56	50	32	9	0	166.8	44	10.1	12	1	9	3	12	5	0
GRENADA																								
MIRABEAU	0	12	41	46	51	60	54	52	47	36	28	9	0	0	130.9	34	9.0	10	0	9	13	8	0	0
BARBADOS																								
G. ADAMS APT	0	21	67	84	87	80	85	85	88	88	81	72	27	0	259.6	67	11.6	10	0	1	3	10	16	0
HUSBANDS CMI	0	30	65	81	87	83	85	86	83	85	85	71	37	0	263.0	68	11.6	26	0	1	2	9	18	0
DOMINICA																								
MELVILLE HALL APT	0	40	61	62	70	77	81	74	76	74	67	66	30	1	234.3	60	11.7	7	0	0	9	6	14	0
CAYMAN ISLANDS																								
WEST BAY	0	21	48	65	64	68	71	71	72	75	72	62	30	0	215.6	54	11.3	4	3	1	4	12	10	0
BELIZE																								
BELIZE APT	0	18	44	60	61	62	65	57	49	49	43	41	24	0	172.0	43	11.2	14	1	10	4	7	8	0
CENTRAL FARM	0	13	31	51	54	48	56	65	60	54	44	48	23	4	165.2	42	12.3	13	1	9	7	7	4	1
PUNTA GORDA	0	14	37	48	59	69	71	78	82	74	76	55	25	2	207.1	52	11.7	13	0	5	4	13	8	0

TABLE VI - SUMMARY OF SUNSHINE RECORDS JUNE 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	6-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19					NIL	0.1-3.0	3.1-6.0	6.1-9.0	9.1-12.0	MORE THAN 12
GUYANA																								
EBINI	0	11	29	52	63	70	62	66	63	53	35	26	11	0	162.0	43	10.0	2	0	5	12	11	2	0
FRIENDSHIP	0	15	44	45	57	62	55	55	49	45	47	39	16	0	159.3	43	9.3	23	0	9	7	12	2	0
GEORGETOWN BG	0	2	19	47	55	62	61	63	67	62	62	59	16	0	172.8	46	9.6	6	1	8	4	13	4	0
KAMARANG	0	4	20	31	44	48	54	50	34	33	38	27	5	0	116.5	31	7.7	23	0	12	12	6	0	0
LES BEHOLDEN	0	15	45	57	64	68	74	75	73	70	67	64	40	1	206.4	57	11.1	7	1	4	5	2	16	0
LETHEM	0	15	29	43	50	60	67	79	75	62	62	56	27	0	188.1	51	11.6	5	0	4	8	11	7	0
MAHAICONY	0	13	36	42	51	55	55	57	62	62	60	48	15	0	167.3	45	10.5	6	0	8	5	12	5	0
MATTHEWS RIDGE	0	0	20	45	57	69	67	58	40	28	23	15	6	0	119.8	34	9.3	26	0	7	14	2	2	0
MAZARUNI	0	0	14	30	40	48	35	27	10	16	11	11	1	0	74.6	19	5.9	6	1	18	11	0	0	0
MON REPOS	0	18	39	49	56	58	57	57	61	64	60	46	9	0	172.2	46	10.6	6	1	7	4	14	4	0
NEW AMSTERDAM	0	26	51	51	66	72	81	81	81	79	74	63	26	0	225.0	60	11.1	14	1	2	7	6	14	0
SKELDON FRONT	0	5	6	3	6	14	43	46	53	69	73	57	28	0	121.3	33	7.8	13	1	9	13	7	0	0
TIBOKU SITE	0	5	21	36	40	54	63	64	65	57	39	16	2	0	141.2	38	8.8	6	0	9	10	11	0	0
TIMEHRI APT	0	21	48	45	47	58	52	55	62	51	47	37	14	0	161.2	43	10.3	26	0	8	7	8	4	0

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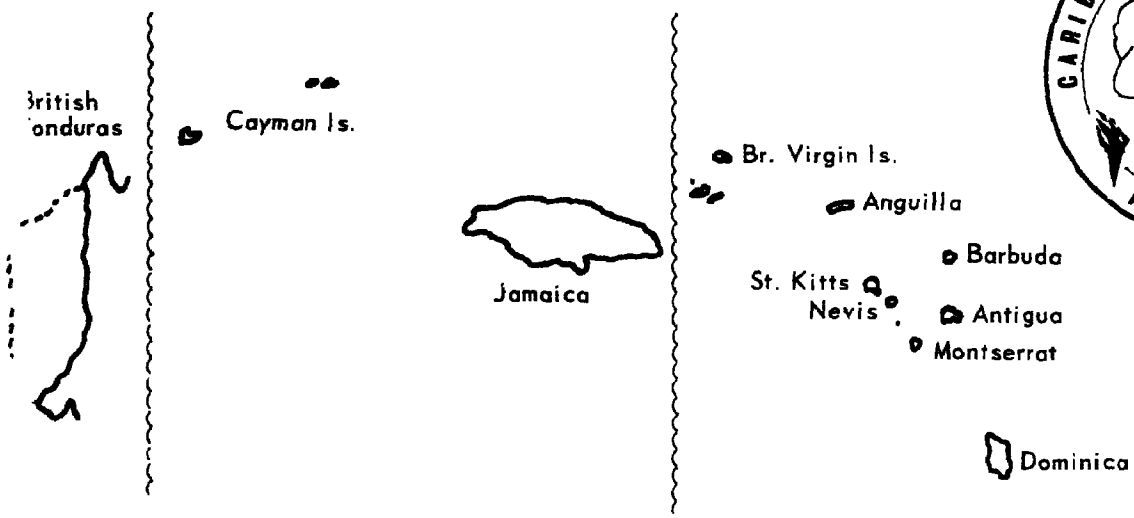

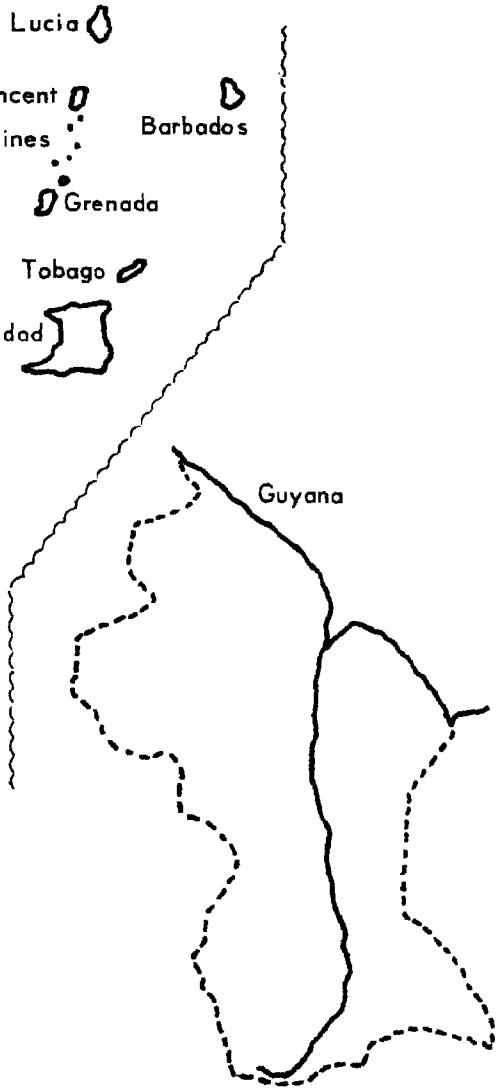

Monthly Weather Summary

SILVER SPRING CENTER
MAR 6 1978
N.O.A.A.
U. S. Dept. of Commerce

July to September
1977

MONTHLY WEATHER SUMMARY

Prepared and published by the
Caribbean Meteorological Institute
Husbands, St. James, Barbados, W.I.

July to September
1977

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TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS JULY 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0—440	440—1,100	1,100—2,200	miles 1¼—2	2—3	3—5	5—10	10 or more
TRINIDAD																							
CENTENO	50	08	79.3	76.4	29.8	87																	
PENAL	25	08	80.0	76.9	30.2	86																	
ST. AUGUSTINE UWI	52	09	82.0	76.4	28.7	77		8.2															
TOBAGO																							
CROWN POINT APT		02	78.1	75.1	28.4	87	1013.9	5.1	3.5	0	16	4	9	1	0	0	0	0	0	0	6	9	15
		08	82.0	77.0	29.4	79	1014.8	8.8	4.3	0	12	9	10	0	0	0	0	0	0	0	8	14	9
		14	84.6	78.4	30.4	75	1013.8	12.5	5.1	0	5	10	16	0	0	0	0	0	0	0	5	11	15
		20	79.2	75.9	29.0	85	1014.1	5.0	3.7	0	14	7	9	1	0	0	0	0	0	0	6	9	16
LOUIS D'OR	40	08	81.7	76.4	28.5	77		0.1															
GRENADA																							
MIRABEAU	450	08	80.1	76.2	29.2	83																	
PEARLS APT	22	08	81.7	77.9	30.9	84	1014.4	8.9	4.7	0	3	17	6	4	0	0	0	0	1	0	1	7	21
		14	83.9	79.1	31.7	80	1013.6	8.5	4.4	0	6	13	7	1	0	0	0	0	0	1	1	6	19
BARBADOS																							
G. ADAMS APT	183	02	79.8	75.1	27.6	80	1015.1	11.3	4.6	0	5	14	12	0	0	0	0	0	0	0	0	3	28
		08	80.8	75.6	27.9	78	1015.2	11.6	4.0	0	9	12	10	0	0	0	0	0	0	0	0	2	29
		14	84.0	76.7	28.1	71	1015.2	13.7	4.5	0	8	9	13	1	0	1	1	0	0	0	1	2	26
		20	81.1	75.7	27.9	77	1014.6	11.6	4.6	0	7	10	14	0	0	0	0	0	0	0	1	3	27
HUSBANDS CMI	370	08	80.7	72.9	26.6	74	1015.7	11.0	4.4	0	8	14	8	1	0	0	0	0	0	1	1	12	17
ST. LUCIA																							
HEWANORRA APT	13	08	82.4	75.9	27.7	73	1015.2	13.1	4.6	0	6	12	13	0	0	0	0	0	0	0	0	4	27
		14	85.3	77.1	28.2	68	1014.4	13.6	4.0	0	8	15	7	1	0	0	0	0	0	0	0	2	29
ROSEAU WINBAN		09	83.5	76.1	27.4	70																	
DOMINICA																							
MELVILLE HALL APT		08	82.1	76.0	27.9	75	1015.3	13.5	4.0	0	5	20	5	0	0	0	0	0	0	0	0	8	22
		14	85.3	77.7	28.8	69	1015.2	15.5	4.7	0	2	18	11	0	0	0	0	0	0	0	1	3	27

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS JULY 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths): MEAN AMT	Number of Observations: 0	1, 2	3-5	4, 7	8	9	VISIBILITY (No of Observations) yards: 0-440	440-1,100	1,100-2,200	miles: ½-1	1-2	2-3	3-5	5-10	10 or more
ANTIGUA																								
COOLIDGE APT	26	02	80.0	75.0	27.4	78	1016.3	13.4	2.9	1	12	16	2	0	0	0	0	0	0	0	0	1	30
		08	82.9	75.9	27.4	78	1017.1	14.1	3.5	0	9	17	5	0	0	0	0	0	0	0	0	0	31
		14	86.8	77.1	27.4	63	1016.5	15.1	3.7	0	10	16	5	0	0	0	0	0	0	0	0	1	30
		20	81.0	75.5	27.7	77	1016.8	13.3	3.1	0	14	12	5	0	0	0	0	0	0	0	0	2	29
ST. KITTS/NEVIS																								
GOLDEN ROCK APT		08	82.1	76.5	28.6	76	1018.3	14.5	4.4	0	0	25	6	0	0	0	0	0	0	0	0	0	31
		14	86.3	78.2	29.3	68	1018.0	15.4	3.7	0	9	17	5	0	0	0	0	0	0	0	0	0	31
CAYMAN ISLANDS																								
WEST BAY		09	85.7	78.5	30.1	72		8.1	2.5	0	16	14	1	0	0									
BELIZE																								
BELIZE APT	17	00	78.8	76.8	30.5	91	1015.5	3.5	3.9	0	9	15	6	1	0	0	0	0	0	0	0	17	14
		06	76.7	75.7	29.9	95	1014.7	2.4	5.1	0	4	11	15	1	0	0	3	0	0	1	2	13	12
		12	84.9	78.9	31.1	76	1015.6	9.9	5.4	0	0	18	9	4	0	0	0	0	0	0	0	12	19
		18	82.3	77.8	30.8	82	1014.1	6.8	5.2	0	4	9	17	1	0	0	0	0	0	0	0	13	18
GUYANA																								
EBINI	94	09	76.1	74.8	28.9	94	1014.3	0.6	5.9	0	1	8	20	1	1	0	1	0	1	3	5	14	7
		15	84.5	76.7	28.0	69	1011.7	5.4	5.9	0	0	11	20	0	0	0	0	0	2	2	0	20	7
GEORGETOWN BG	7	09	78.7	76.0	29.5	88	1014.8	4.0	5.3	0	1	13	16	1	0	0	0	0	0	0	0	9	22
		15	83.5	77.3	29.2	74	1013.7	7.7	4.8	0	4	14	13	0	0	0	0	0	0	0	0	9	22
GREAT FALLS		09	75.8	74.6	28.7	94																	
GREAT FALLS		15	85.1	77.4	28.7	94																	
ITABRU FALLS		09	75.5	74.8	29.1	97																	
		15	87.0	79.0	30.2	69																	
KAIETEUR FALLS		09	72.1	70.9	25.3	69	1015.7	0.8	7.0	0	0	1	23	4	0	0	0	0	0	1	1	14	12
		15	79.3	73.9	26.2	77	1012.5	3.8	5.5	0	1	11	16	0	0	0	0	0	0	0	1	9	18

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS JULY 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eights) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0—440	440—1,100	1,100—2,200	miles 1¼—2	2—3	3—5	5—10	10 or more
GUYANA																							
KAMARANG	1625	09	70.9	69.7	24.2	94	1017.1	0.9	6.2	0	1	7	21	2	0	0	0	0	0	0	0	15	16
		15	80.1	73.3	25.0	71	1013.2	3.4	4.5	0	2	18	11	0	0	0	0	0	0	0	0	8	23
LES BEHOLDEN		09	78.9	76.3	29.5	88																	
		15	86.5	79.5	31.3	73																	
LETHEM	326	09	77.8	74.2	27.3	84	1016.0	4.8	6.1	0	0	10	13	6	0	0	0	0	0	0	1	1	27
LETHEM	326	15	86.9	76.5	26.6	61	1012.6	4.8	5.8	0	0	10	17	2	0	0	0	0	0	0	0	8	21
MAHAICONY		09	79.6	76.7	30.0	87																	
		15	83.4	77.6	29.6	76																	
MATTHEWS RIDGE		09	76.3	74.8	28.8	93																	
MAZARUNI	47	09	75.6	74.5	28.7	95																	
MAZARUNI	47	15	81.1	76.4	29.0	80																	
MC.NABB		09	80.9	76.7	29.5	82																	
		15	83.2	75.9	27.3	70																	
MON REPOS		09	79.5	75.5	28.4	83																	
		15	84.1	76.5	27.8	70																	
NEW AMSTERDAM	3	09	79.2	76.5	29.8	88																	
		15	84.6	78.5	30.5	75																	
PORT KAITUMA		09	75.9	75.0	29.2	96																	
		15	82.7	77.2	29.4	77																	
SKELDON FRONT		09	78.1	75.3	28.6	87																	
SKELDON FRONT		15	83.9	77.1	28.6	72																	
TIBOKU SITE		09	75.0	73.9	28.3	96																	
		15	84.1	77.3	29.6	74																	
WAUNA		09	76.8	75.6	29.6	94		1.1	4.2	0	4	20	6	1	0	1	1	0	0	0	14	14	1
		15	81.5	76.1	28.4	77		4.0	5.7	0	0	13	18	0	0	0	0	0	1	0	2	4	24

TABLE II SUMMARY OF DAILY OBSERVATIONS JULY 1977

COUNTRY STATION	RAINFALL (inches) TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN .04	.40	1.00	AIR TEMPERATURE °F MEAN MAX A	MEAN MIN B	MEAN ½(A+B)	EXTREMES MAX	MIN	MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH THUNDER	FOG	HAIL	GALE
TRINIDAD																	
CENTENO	8.49	1.13	8	23	7	1	86.5	72.0	79.3	88	68						
PENAL	5.68	.82	18	20	5	0	87.0	71.3	79.2	89	67						
ST. AUGUSTINE UWI	7.63	1.84	6	17	5	2	87.3	71.7	79.5	89	68		219.8	2	0	0	0
TOBAGO																	
CROWN POINT APT	5.05	1.96	29	16	3	1	86.1	75.5	80.8	88	73	73.1	256.4	2	0	0	0
LOUIS D'OR	5.03	.85	29	21	4	0	84.9	75.0	80.0	86	71		229.4				
GRENADA																	
MIRABEAU	8.40	1.89	19	15	9	2	84.5	74.4	79.5	86	72						
PEARLS APT	5.81	.94	29	15	6	0	85.7	77.0	81.4	88	74						
BARBADOS																	
G. ADAMS APT	3.08	1.09	28	11	1	1	85.6	78.0	81.8	87	73		288.1				
HUSBANDS CMI	2.24	.46	19	14	1	0	87.8	72.8	80.3	89	68		283.4	1	0	0	0
ST. LUCIA																	
HEWANORRA APT	3.10	.82	19	13	2	0	86.8	77.6	82.2	90	74						
ROSEAU WINBAN	4.91	2.05	19	19	2	1	87.3	75.7	81.5	89	71		259.2				
DOMINICA																	
MELVILLE HALL APT	5.36	.94	5	19	5	0	86.5	76.0	81.3	88	72		295.7				
ANTIGUA																	
COOLIDGE APT	1.10	.35	16	9	0	0	88.3	78.4	83.4	89	75						
CAYMAN ISLANDS																	
WEST BAY	1.35	.76	24	5	1	0	89.8	77.2	83.5	91	73		297.9				
BELIZE																	
BELIZE APT	4.66	1.22	22	15	4	1	87.5	74.9	81.2	89	71		254.1	16	4	0	0
CENTRAL FARM	6.09	1.33	9	14	5	2	89.0	70.8	79.9	92	65		183.9	5	21	0	0
PUNTA GORDA	20.34	5.68	4	21	12	7	81.7	71.7	76.7	87	67		211.6				

TABLE II SUMMARY OF DAILY OBSERVATIONS JULY 1977

COUNTRY STATION	RAINFALL (inches)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH, OR MORE THAN			MEAN MAX A	MEAN MIN B	MEAN $\frac{1}{2}$(A+B)	EXTREMES				THUNDER	FOG	HAIL	GALE
				.04	.40	1.00				MAX	MIN						
GUYANA																	
DAWA	15.94	1.80	4	27	14	4											
EBINI	16.68	4.95	16	22	13	2	88.4	72.4	80.4	90	70	71.1	181.2	16	18	0	0
FRIENDSHIP	8.83	2.46	4	20	9	1	88.1	72.7	80.4	90	71		191.2				
GEORGETOWN BG	11.57	1.16	20	23	9	4	85.1	73.2	79.2	86	70	71.6	211.9	3	0	0	0
GREAT FALLS	20.23	2.89	10	27	13	7	87.6	71.9	79.8	91	69	71.2		12	18	0	0
ITABRU FALLS	10.63	1.45	15	19	13	2								12	8	0	0
KAIETEUR FALLS	24.43	4.03	15	30	17	7	81.9	69.4	75.7	85	67	67.9	150.0	26	0	0	0
KAIRUNI	13.85	2.25	4	22	11	4							182.1				
KAMARANG	16.18	3.04	9	25	14	4	82.6	67.9	75.3	87	67	66.6	131.8	4	1	0	0
LES BEHOLDEN							87.8	66.7	77.3	90	64		264.4				
LETHEM	11.29	2.10	6	19	11	4	88.3	73.4	80.9	92	70		245.3	3	0	0	0
MAHAICONY	10.22	1.74	24	19	10	4	84.6	74.5	79.6	86	71		198.7	2	0	0	0
MAZARUNI	12.58	1.94	18	23	12	3	84.5	72.9	78.7	87	71		88.0				
MC.NABB							85.3	69.1	77.2	88	67						
MON REPOS	10.74	1.60	24	21	8	5	85.4	73.5	79.5	87	70		208.7				
NEW AMSTERDAM	13.02	2.93	4	21	9	5	85.6	73.4	79.5	87	71		218.4				
PLANTAIN ISLAND	12.21	2.45	8	24	11	2								14	0	0	0
PORT KAITUMA	14.91	1.39	16	24	16	4	86.3	71.1	78.7	92	69			6	0	0	0
SKELDON FRONT	4.52	.76	4	16	4	0	86.7	69.3	78.0	89	67		216.8				
TIBOKU SITE	18.46	3.60	18	27	18	3	86.6	72.2	79.4	89	70	71.5	156.0	23	3	0	0
WAUNA	19.15	3.03	2	25	15	6	85.1	70.6	77.9	88	69		167.0	6	23	0	0

TABLE III—SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS JULY 1977

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)			SOIL TEMPERATURES °F At 2 inch depth					SOIL TEMPERATURES °F At 4 inch depth				TOTAL RADIATION (langleys)		
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	MEAN MAX	MEAN MIN	EXTREMES MAX	EXTREMES DATE	EXTREMES MIN	MEAN MAX	MEAN MIN	EXTREME MAX	EXTREME MIN	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
TRINIDAD																	
CENTENO	72	99	5.80	.26	10												
PENAL	43	87	5.31	.47	11												
ST. AUGUSTINE UWI	47	77	4.60	.23	23												
TOBAGO																	
CROWN POINT APT	82	122	7.15	.35	24												
LOUIS D'OR	6	14	6.00	.33	12												
GRENADA																	
MIRABEAU	111	184															
BARBADOS																	
HUSBANDS CMI	152	259	8.85M	.45	16										17067	682	259
ST. LUCIA																	
ROSEAU WINBAN	91	128															
CAYMAN ISLANDS																	
WEST BAY	95	149	8.29	.33	4										18278	678	433
BELIZE																	
BELIZE APT	96	189	5.94	.32	29										15339	646	94
CENTRAL FARM	33	61															
PUNTA GORDA	43	99															
GUYANA																	
DAWA			5.74	.31	23												
EBINI	17	59	4.90	.24	19										12635	513	276
FRIENDSHIP	41	63	5.71	.30	4												
GEORGETOWN BG	74	121	5.27	.26	1										15176	612	164
GREAT FALLS			4.43	.23	28												
ITABRU FALLS	8	17															
KAMARANG	48	66	4.04	.26	19												
LES BEHOLDEN	75	162															
LETHEM	111	163	7.00M	.38	21												
MAHAICONY	124	182	5.83	.29	31												
MC.NABB	116	281															
PLANTAIN ISLAND			4.30	.22	29												
TIBOKU SITE	8	11	4.26M	.26	30												
WAUNA	46	74															

TABLE IV – SUMMARY OF RAINFALL INTENSITY RECORDS JULY 1977

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
TRINIDAD								
CENTENO	.28	.40	.47	.49	.49	.56	.73	.85
PENAL	.20	.24	.25	.36	.48	.54	.73	.74
ST. AUGUSTINE UWI		.39	.60	1.00	1.15	1.15	1.84	1.87
TOBAGO								
CROWN POINT APT	.39	.59	.60	1.50	1.50	1.77	1.95	1.96
LOUIS D'OR	.32	.36	.40	.40	.43	.50	.74	.77
BARBADOS								
G. ADAMS APT		.14	.19	.51	.55	.64	1.09	1.09
HUSBANDS CMI	.26	.26	.30	.32	.34	.34	.37	.38
CAYMAN ISLANDS								
WEST BAY	.18	.32	.51	.60	.62	.76	.76	.76
GUYANA								
APAIKWA	.52	.63	.80	1.11	1.13	1.26	1.28	1.46
DAWA							1.28	1.63
EBINI	.62	.86	1.08	2.12	2.92	4.61	4.80	4.95
FRIENDSHIP	.28	.38	.45	.70	1.03	1.03	1.33	2.11
GEORGETOWN BG	.30	.57	.64	.77	1.13	1.22	1.53	1.55
GREAT FALLS	.56	.76	1.00	1.38	1.66	1.71	1.71	1.92
ITABRU FALLS	.40	.54	.68	.84	.94	1.01	1.05	1.41
KAMARANG			.78	.78	1.08	1.85	2.62	2.77
LETHEM	.49	.60	.80	.92	.92	.96	1.17	1.75
MAHAICONY					1.18	1.32	1.69	1.69
MARIPA	.44	.59	.71	.80	1.02	1.25	1.87	2.03
MATTHEWS RIDGE						.92	1.06	1.06
MAZARUNI	.44	.78	.86	1.12	1.16	1.18	1.92	1.94
NEW AMSTERDAM	.32	.54	.62	.88	.99	1.18		2.51
PLANTAIN ISLAND			.66	.83	.98	1.00	1.03	1.03
ST. FRANCIS MISSION	.33	.49	.75	1.64	1.85	2.92	3.10	3.41
SKELDON FRONT	.16	.26	.40	.47	.47	.63	.71	.76
TIBOKU SITE	.56	.71	1.11	1.35	1.55	2.43	2.65	3.37
WARIMIA	.68	.98	1.22	1.35	1.35	1.35	1.40	1.46
WAUNA	.37	.74	.75	.94	1.48	1.84	2.72	3.01

TABLE V – SUMMARY OF WINDSPEED RECORDS JULY 1977

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
TOBAGO												
CROWN POINT APT	10	18	18	14	07	35	1735	14	1	0	0	8.2
ANTIGUA												
COOLIDGE APT	09	21	13	29	10	32	0235	25	0	0	0	14.1
CAYMAN ISLANDS												
WEST BAY	12	18	24	8	12	35	2345	8	1	0	0	6.4
GUYANA												
EBINI	05	14	19	19	05	20	1815	19	0	0	0	2.9
GEORGETOWN BG	36	14	05	15	05	20	0110	21	0	0	0	4.9

TABLE VI - SUMMARY OF SUNSHINE RECORDS JULY 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19					NIL	0.1-3.0	3.1-6.0	6.1-9.0	9.1-12.0	MORE THAN 12
TRINIDAD																								
ST. AUGUSTINE UWI	0	32	73	76	73	72	63	64	67	66	57	45	20	0	219.8	56	11.4	10	0	3	7	11	10	0
TOBAGO																								
CROWN POINT APT	0	35	69	79	77	70	80	86	88	72	76	63	36	0	256.4	65	11.4	31	0	3	2	13	13	0
LOUIS D'OR	0	12	60	71	77	74	73	77	80	75	60	54	21	0	229.4	58	11.1	5	0	5	4	9	13	0
BARBADOS																								
G. ADAMS APT	0	45	80	87	85	86	84	85	86	90	83	75	42	0	288.1	72	11.7	4	1	3	0	4	23	0
HUSBANDS CMI	0	45	71	83	89	88	86	86	86	87	76	73	43	2	283.4	71	11.6	6	0	2	1	6	22	0
DOMINICA																								
MELVILLE HALL APT	0	58	73	75	86	92	88	90	88	92	91	78	37	2	295.7	74	11.8	11	0	0	0	9	21	0
CAYMAN ISLANDS																								
WEST BAY	0	39	78	90	94	91	92	92	86	81	81	85	53	0	297.9	73	11.7	13	0	0	2	6	23	0
BELIZE																								
BELIZE APT	0	28	71	82	87	84	75	75	71	73	69	64	39	2	254.1	63	11.7	28	0	3	5	6	15	0
CENTRAL FARM	0	12	24	51	70	70	67	58	56	60	55	45	25	2	183.9	45	11.7	7	0	7	8	6	10	0
PUNTA GORDA	0	22	46	57	61	63	68	70	77	66	61	61	30	0	211.6	52	11.1	13	0	6	8	4	13	0

TABLE VI - SUMMARY OF SUNSHINE RECORDS JULY 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19					NIL	0.1-3.0	3.1-6.0	6.1-9.0	9.1-12.0	MORE THAN 12
GUYANA																								
EBINI	0	11	26	56	65	74	75	66	65	53	45	37	13	0	181.2	47	10.4	19	0	4	11	14	2	0
FRIENDSHIP	0	12	37	62	67	73	73	68	63	62	45	35	20	1	191.2	50	10.3	11	0	4	8	14	5	0
GEORGETOWN BG	0	1	25	61	62	64	67	77	77	74	74	72	30	0	211.9	55	9.6	23	0	2	8	14	7	0
KAIETEUR FALLS	0	0	7	21	50	51	58	63	57	66	55	35	22	0	150.0	39	8.4	22	0	7	11	8	0	0
KAIRUNI	0	20	55	61	63	69	63	68	55	48	43	31	12	0	182.1	47	10.4	12	0	8	8	10	5	0
KAMARANG	0	2	13	31	39	41	54	44	42	58	52	39	11	0	131.8	34	8.9	19	0	9	14	8	0	0
LES BEHOLDEN	0	10	49	65	74	88	89	85	88	89	86	76	49	5	264.4	69	11.5	11	0	3	1	9	18	0
LETHEM	0	14	40	64	72	85	86	88	83	79	73	64	42	0	245.3	64	11.1	27	0	1	7	10	11	0
MAHAICONY	0	10	34	43	52	58	51	67	80	79	70	65	30	1	198.7	51	10.3	26	0	5	8	10	6	0
MATTHEWS RIDGE	0	0	18	57	63	64	61	48	53	47	32	21	5	0	144.5	37	9.3	28	1	6	9	9	1	0
MAZARUNI	0	2	18	35	46	46	28	27	25	23	18	14	2	0	88.0	23	6.7	12	2	18	9	2	0	0
MON REPOS	0	11	46	56	64	53	56	76	81	78	74	64	14	0	208.7	54	10.5	28	0	4	7	11	7	0
NEW AMSTERDAM	0	19	48	56	62	72	74	74	78	78	75	51	17	0	218.4	59	10.8	12	0	6	1	11	12	0
SKELDON FRONT	0	19	40	48	48	66	74	76	81	74	72	64	37	0	216.8	56	11.3	27	0	3	8	9	11	0
TIBOKU SITE	0	3	23	36	38	58	63	72	65	55	48	32	10	0	156.0	41	10.1	22	0	6	15	8	2	0
WAUNA	0	20	56	63	55	55	46	50	46	43	44	41	20	0	167.0	43	10.7	1	0	9	9	8	5	0

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS AUGUST 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0-440	440-1,100	1,100-3,200	miles 1/4-1/2	1-2	2-5	5-10	10 or more
TRINIDAD																							
CENTENO	50	08	79.1	76.7	30.2	89																	
PENAL	25	08	79.4	75.7	28.9	84																	
ST. AUGUSTINE	52	09	82.2	77.2	29.8	79		5.6															
TOBAGO																							
CROWN POINT APT		02	74.9	72.3	27.6	94	1012.8	5.3	3.7	0	11	7	7	1	0	0	0	0	0	0	3	2	21
		08	81.7	77.3	30.0	81	1014.0	7.7	4.3	0	9	10	8	2	0	0	0	0	0	1	4	6	18
		14	84.2	78.3	30.4	76	1012.6	10.6	4.7	0	8	7	15	0	0	0	0	0	0	0	0	8	22
		20	77.1	73.6	28.2	89	1013.1	4.6	3.4	0	13	8	8	0	0	0	0	0	0	0	1	9	19
LOUIS D'OR	40	08	82.2	77.3	29.9	80		0.0															
GRENADA																							
MIRABEAU	450	08	81.4	77.0	30.0	95																	
PEARLS APT	22	08	82.6	78.4	31.4	83	1013.4	6.0	4.4	0	5	13	7	0	0	0	0	0	0	0	0	9	16
		14	84.8	79.3	31.8	78	1012.4	7.6	3.8	0	9	4	6	0	0	0	0	0	0	0	0	3	16
BARBADOS																							
G. ADAMS APT	183	02	79.8	76.1	29.1	84	1013.9	8.1	4.4	0	7	11	12	1	0	0	0	0	0	0	0	3	28
		08	81.0	76.5	29.2	81	1014.0	10.5	4.6	0	5	15	11	0	0	0	0	0	0	0	0	0	31
		14	84.1	77.4	29.1	73	1014.0	12.1	4.6	0	7	12	10	2	0	0	0	0	0	1	1	29
		20	81.5	76.9	29.5	81	1013.5	9.3	5.2	0	5	8	17	1	0	0	0	0	0	0	3	28
HUSBANDS CMI	370	08	80.8	68.5	25.5	71	1014.6	7.7	4.6	0	5	13	13	0	0	0	0	0	0	0	14	17
ST. LUCIA																							
HEWANORRA APT	21	08	82.0	76.8	29.2	78	1014.0	10.4	4.9	0	4	14	13	0	0	0	0	0	0	1	2	28
		14	84.6	78.1	29.7	73	1013.1	11.2	5.1	0	4	11	13	3	0	0	0	0	0	0	0	31
ROSEAU WINBAN		09	82.6	77.0	29.2	77																	
VIGIE APT		08	82.0	76.8	29.1	78	1014.1	6.3	5.0	0	5	8	15	1	0	0	0	0	0	0	3	26	
		14	85.0	77.6	28.9	71	1013.1	9.9	5.5	0	1	14	13	3	0	0	0	0	0	0	1	30	
DOMINICA																							
MELVILLE HALL APT		08	81.3	77.0	29.7	82	1014.7	10.5	5.8	0	0	11	16	3	0	0	0	0	0	0	2	7	21
		14	84.8	78.2	30.2	75	1013.8	12.4	5.6	0	2	8	18	3	0	0	0	0	0	0	0	6	25

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS AUGUST 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0–440	440–1,100	1,100–2,200	miles 1/4–2	2–3	3–5	5–10	10 or more
ANTIGUA																							
COOLIDGE APT	26	02	80.0	75.8	28.5	81	1015.0	12.0	3.5	0	12	11	7	1	0	0	0	0	0	0	0	1	30
		08	82.0	76.5	28.6	77	1015.8	12.4	4.4	0	3	18	9	1	0	0	0	0	0	0	0	0	31
		14	84.2	77.1	28.6	72	1015.2	13.0	4.9	0	5	11	13	2	0	0	0	0	0	0	0	0	31
		20	81.3	76.3	28.7	79	1015.6	12.3	3.8	0	11	12	8	0	0	0	0	0	0	0	0	1	30
ST. KITTS/NEVIS																							
GOLDEN ROCK APT		08	81.9	77.1	29.6	80	1017.1	12.4	4.6	0	1	22	8	0	0	0	0	0	0	0	0	2	29
		14	84.2	77.8	29.8	75	1016.6	14.2	5.0	0	2	13	16	0	0	0	0	0	0	0	0	0	31
CAYMAN ISLANDS																							
WEST BAY		09	85.2	79.2	31.4	76		7.4	3.9	0	7	17	4	3	0								
BELIZE																							
BELIZE APT	17	00	79.8	77.5	31.3	90	1013.7	4.1	4.4	0	5	19	4	3	0	0	0	0	0	1	0	10	20
		06	77.4	76.3	30.4	95	1013.0	2.6	5.8	0	0	12	15	4	0	0	0	0	0	0	0	13	18
		12	35.6	79.8	32.2	77	1013.6	8.9	5.6	0	1	13	15	2	0	0	0	0	0	0	0	9	22
		18	82.4	78.6	31.7	84	1012.1	5.7	5.1	0	3	13	15	0	0	0	0	0	0	0	0	8	23
GUYANA																							
DAWA		09	78.7	76.3	29.9	89																	
		15	86.5	78.1	29.2	68																	
EBINI	94	09	88.3	77.5	29.0	87	1014.0	1.8	4.9	0	5	12	13	1	0	0	0	0	0	0	4	24	3
		15	88.3	77.3	27.1	59	1010.9	5.0	5.5	0	0	14	17	0	0	0	0	0	0	1	0	25	5
GEORGETOWN BG	7	09	80.1	76.6	29.8	85	1014.4	4.2	4.8	0	4	13	14	0	0	0	0	0	0	0	0	21	10
GEORGETOWN BG	7	15	85.3	77.9	29.3	71	1013.1	7.6	4.1	0	8	14	9	0	0	0	0	0	0	0	0	12	19
GREAT FALLS		09	76.3	75.2	29.3	95																	
		15	86.4	78.0	29.0	67																	
ITABRU FALLS		09	75.7	74.8	29.1	96																	
		15	88.3	78.9	29.7	65																	

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS AUGUST 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths): MEAN AMT	Number of Observations: 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards: 0–440	440–1,100	1,100–2,200	miles: 1/4–2	2–3	3–5	5–10	10 or more
GUYANA																							
KAMARANG	1625	09	71.5	70.1	24.5	93	1016.9	2.1	6.0	0	1	8	17	4	1	0	1	0	0	0	1	17	12
		15	82.9	74.1	24.8	65	1012.4	4.6	4.1	0	3	24	4	0	0	0	0	0	0	0	0	3	28
LES BEHOLDEN		09	79.5	76.9	30.5	89																	
LETHEM	326	09	78.8	74.5	27.2	81	1015.2	4.5	5.8	0	0	11	16	2	0	0	0	0	0	0	0	0	29
		15	88.1	76.2	25.6	57	1012.2	4.6	5.9	0	0	6	21	2	0	0	0	0	0	0	1	1	27
MAHAICONY	6	09	80.1	76.7	29.8	85																	
		15	85.2	78.0	29.5	71																	
MAZARUNI	47	09	76.9	75.2	29.0	92																	
		15	82.6	77.1	29.3	77																	
MC.NABB		15	84.7	79.7	32.4	80																	
MON REPOS		09	81.9	77.1	29.7	80																	
		15	86.1	77.8	28.9	68																	
NEW AMSTERDAM	3	09	80.5	77.0	30.1	85																	
		15	86.0	75.4	28.8	68																	
PORT KAITUMA		09	76.4	75.3	29.5	95																	
PORT KAITUMA		15	85.0	77.9	29.1	71																	
SKELDON FRONT		09	80.0	76.1	29.0	83																	
		15	85.3	78.4	30.2	73																	
TIBOKU SITE		09	75.8	74.5	28.6	94																	
		15	86.7	78.4	29.4	68																	
TIMEHRI APT	100	03	74.0	73.5	27.9	97	1012.5	0.8	4.7	6	1	9	14	1	0	0	0	0	0	0	3	25	3
		09	78.3	75.9	29.5	89	1014.1	2.2	4.7	0	8	7	16	0	0	0	0	0	0	0	1	22	8
		15	85.2	77.2	28.2	68	1011.2	5.7	6.2	0	0	6	24	1	0	0	0	0	0	1	1	8	21
		21	77.2	75.2	29.0	91	1012.6	2.3	4.9	0	6	10	15	0	0	0	0	0	0	0	0	10	21

TABLE II SUMMARY OF DAILY OBSERVATIONS AUGUST 1977

COUNTRY STATION	RAINFALL (inches)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN .04	.40	1.00	MEAN MAX A	MEAN MIN B	MEAN ½(A+B)	EXTREMES MAX	EXTREMES MIN			THUNDER	FOG	HAIL	GALE
TRINIDAD																	
CENTENO	12.17	1.60	3	23	11	3	87.3	71.6	79.5	90	68						
PENAL	11.90	2.67	14	17	7	4	87.2	72.9	80.1	91	70						
ST. AUGUSTINE UWI	6.94	1.13	28	16	8	1	87.8	72.1	80.0	89	69		208.6	4	0	0	0
TOBAGO																	
CROWN POINT APT	6.78	1.20	19	20	7	1	86.1	75.4	80.8	88	73	73.7	239.8	2	0	0	0
LOUIS D'OR	7.58	2.16	19	25	5	1	85.7	74.5	80.1	88	71		222.8				
GRENADA																	
LOUIS D'OR	11.97	2.59	22	17	9	4	84.9	73.3	79.1	87	70						
PEARLS APT	8.17	1.53	14	18	9	2	86.2	76.8	81.5	87	73						
BARBADOS																	
G. ADAMS APT	5.40	1.34	17	17	4	2	85.9	78.1	82.0	88	75		251.5				
HUSBANDS CMI	7.60	2.24	23	18	6	2	87.4	74.5	81.0	91	71		237.7	4	0	0	0
ST. LUCIA																	
HEWANORRA APT	8.51	1.60	2	16	5	4	86.4	76.8	81.6	87	72						
ROSEAU WINBAN	13.87	1.81	2	22	12	4	86.8	75.0	80.9	89	70		224.3				
VIGIE APT	11.35	1.54	2	20	13	4	87.0	74.5	80.8	90	71			3	0	0	0
DOMINICA																	
MELVILLE HALL APT	11.21	1.21	23	30	11	3	85.9	75.3	80.6	88	73		207.2				
ANTIGUA																	
COOLIDGE APT	7.21	1.21	27	18	7	3	86.9	77.2	82.1	89	72						
CAYMAN ISLANDS																	
WEST BAY	5.45	1.12	6	10	5	3	88.7	76.3	82.5	90	72		219.6				

TABLE II SUMMARY OF DAILY OBSERVATIONS AUGUST 1977

COUNTRY STATION	RAINFALL (inches) TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN .04	.40	1.00	AIR TEMPERATURE °F MEAN MAX A	MEAN MIN B	MEAN ½(A+B)	EXTREMES MAX	MIN	MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH THUNDER	FOG	HAIL	GALE
BELIZE																	
BELIZE APT	4.38	1.58	7	12	3	1	88.4	75.7	82.1	93	71		269.7	11	0	0	0
BELMOPAN	9.00	4.02	7	14	5	3	90.6	70.8	80.7	94	68		231.0	2	0	0	0
CENTRAL FARM	5.28	1.86	18	15	3	2	91.1	71.8	81.5	95	67		235.1	2	27	0	0
PUNTA GORDA	28.93	3.40	5	24	14	13	81.2	71.9	76.6	87	62		217.9				
GUYANA																	
DAWA	7.35	1.86	8	15	5	3	87.9	72.1	80.0	90	70						
EBINI	11.59	5.60	18	12	5	2	90.3	72.6	81.5	93	70	71.3	233.8	9	30	0	0
GEORGETOWN BG	6.33	1.83	4	12	5	1	86.7	74.5	80.6	91	72	72.1	245.4	2	0	0	0
GREAT FALLS	8.90	1.20	17	21	9	3	89.2	72.3	80.8	92	69	71.5		10	23	0	0
ITABRU FALLS	9.60	2.00	27	18	7	3											
KAIRUNI	8.07	1.07	23	19	10	1							212.6				
KAMARANG	11.11	1.45	17	22	11	3	85.2	68.3	76.8	87	67	67.1	195.3	9	4	0	0
LES BEHOLDEN							89.2	67.9	78.6	91	64		275.6				
LETHEM	5.16	1.73	8	13	3	1	89.1	74.2	81.7	92	71		233.1	4	0	0	0
MAHAICONY	3.23	1.14	9	8	4	1	86.2	75.5	80.9	88	72		238.7				
MAZARUNI	8.91	1.36	6	19	9	2	86.5	73.3	79.9	90	71		137.0				
MON REPOS	.58	.30	12	2	0	0	87.3	74.5	80.9	89	72		253.1				
NEW AMSTERDAM	1.72	.53	9	8	1	0	88.1	74.0	81.1	90	72		263.6				
SKELDON FRONT	5.03	1.76	22	10	4	2	87.9	69.9	78.9	91	63		261.4				
TIBOKU SITE	16.06	3.15	17	21	11	7	88.8	71.9	80.4	91	74	70.6	226.9	26	6	0	0

TABLE III – SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS AUGUST 1977

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)			SOIL TEMPERATURES °F At 2 inch depth					SOIL TEMPERATURES °F At 4 inch depth				TOTAL RADIATION (langleys)		
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	MEAN MAX	MEAN MIN	EXTREMES MAX	EXTREMES DATE	EXTREMES MIN	MEAN MAX	MEAN MIN	EXTREME MAX	EXTREME MIN	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
TRINIDAD																	
CENTENO	57	101	5.68	.37	6												
PENAL			6.57	.34	12												
ST. AUGUSTINE UWI	32	57	4.36	.23	6												
TOBAGO																	
CROWN POINT APT	73	123															
LOUIS D'OR	4	14	6.49	.43	2												
GRENADA																	
MIRABEAU	95	192															
BARBADOS																	
HUSBANDS CMI	135	199	8.24	.43	3										15798	668	166
ST. LUCIA																	
ROSEAU WINBAN	70	125	5.66M	.33	12												
CAYMAN ISLANDS																	
WEST BAY	72	138	6.41	.31	4										15800	676	112
BELIZE																	
BELIZE APT	90	150	6.64	.40	8										14108	599	194
BELMOPAN	60	119															
CENTRAL FARM	35	66															
PUNTA GORDA	37	56															
GUYANA																	
EBINI	14	39	6.02	.30	28	86.1	80.8	88	12	80	87.7	89.8	90	81	14815	598	352
GEORGETOWN BG	67	100	5.88	.28	27										15749	623	377
GREAT FALLS			4.55	.23	20												
ITABRU FALLS	11	29															
KAMARANG	52	75	5.72	.26	18												
LES BEHOLDEN	54	110															
LETHEM	102	166	8.44	.46	28												
MAHAICONY	117	186	8.01	.36	28												
MC.NABB	90	146															
NEW AMSTERDAM	121	231	2.94	.24	11												
TIBOKU SITE	9	19	5.75	.28	8												

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS AUGUST 1977

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
TRINIDAD								
CENTENO	.32	.40	.40	.54	.72	.88	.96	1.31
PENAL	.28	.52	.72	1.06	1.46	1.69	1.73	1.73
ST. AUGUSTINE UWI		.40	.53	.58	.64	.69	.75	.82
TOBAGO								
CROWN POINT APT	.31	.35	.50	.50	.88	.90	1.15	1.15
LOUIS D'OR	.60	.83	.85	1.08	1.18	1.95	2.15	2.16
BARBADOS								
G. ADAMS APT			.22	.46	.63	.75	.93	1.34
HUSBANDS CMI	.32	.56	.84	1.12	1.61	2.80	2.19	2.19
CAYMAN ISLANDS								
WEST BAY	.45	.64	.77	.87	.99	.99	1.12	1.12
GUYANA								
DAWA	.39	.50	.63	.76	1.20	1.20	1.20	1.20
EBINI	.64	.90	1.28	2.02	2.88	4.27	5.60	5.60
FRIENDSHIP	.32	.48	.56	.70	.78	1.08	1.28	1.28
GEORGETOWN BG	.30	.58	.70	.95	1.01	1.02	1.26	1.83
GREAT FALLS	.45	.58	.78	.91	.91	.91	1.04	1.07
ITABRU FALLS	.52	.80	1.02	1.16	1.83	2.00	2.00	2.00
KAMARANG	.36	.40	.60	.78	.88	1.09	1.43	1.45
LETHEM	.28	.44	.50	.79	.79	.84	1.06	1.73
MAHAICONY	.26	.31	.40	.58	.67	.73	1.14	1.14
MAZARUNI	.65	.76	.88	1.10	1.12	1.18	1.29	1.36
NEW AMSTERDAM	.12	.21	.28	.40	.45	.47	.47	.51
SKELDON FRONT	.20	.40	.62	1.14	1.39	1.59	1.76	1.76
TIBOKU SITE	.42	.72	.90	1.58	2.17	2.98	3.13	3.15

TABLE V – SUMMARY OF WINDSPEED RECORDS AUGUST 1977

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
TOBAGO												
CROWN POINT APT	08	16	15	13	04	29	0330	3	0	0	0	7.3
ANTIGUA												
COOLIDGE APT	09	20	10	18	09	33	2015	22	0	0	0	12.8
CAYMAN ISLANDS												
WEST BAY	09	16	19	5	01	31	1845	5	0	0	0	3.7
GUYANA												
GEORGETOWN BG	36	12	15	14	35	23	1159	14	0	0	0	5.5
TIMEHRI APT	19	12	18	3	08	21	1110	28	0	0	0	3.6

TABLE VI - SUMMARY OF SUNSHINE RECORDS AUGUST 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19					NIL	0.1-3.0	3.1-6.0	6.1-9.0	9.1-12.0	MORE THAN 12
TRINIDAD																								
ST. AUGUSTINE UWI	0	29	69	77	71	63	56	58	59	66	52	48	23	0	208.6	54	10.8	5	0	5	8	10	8	0
TOBAGO																								
CROWN POINT APT	0	37	64	65	74	74	71	68	70	72	70	66	41	0	239.8	62	11.6	14	0	5	5	6	15	0
LOUIS D'OR	0	10	58	68	73	70	74	78	74	70	70	61	11	0	222.8	58	10.5	23	0	4	7	6	14	0
BARBADOS																								
G. ADAMS APT	0	23	72	82	83	77	77	76	75	73	75	67	28	3	251.5	65	11.0	6	1	4	1	8	17	0
HUSBANDS CMI	0	48	73	77	83	78	71	63	67	66	59	51	30	0	237.7	61	11.3	6	1	5	2	7	16	0
DOMINICA																								
MELVILLE HALL APT	0	32	54	60	64	65	59	60	72	60	65	55	21	0	207.2	53	10.5	12	0	4	7	11	8	0
CAYMAN ISLANDS																								
WEST BAY	0	29	61	72	77	77	73	64	62	51	58	61	23	0	219.6	56	11.1	5	0	4	6	7	13	0
BELIZE																								
BELIZE APT	0	35	74	78	79	82	76	79	85	79	81	76	46	0	269.7	69	11.5	25	1	1	4	6	19	0
BELMOPAN	0	28	50	64	74	84	80	79	80	70	68	58	40	0	231.0	61	11.5	20	0	2	5	9	9	0
CENTRAL FARM	0	16	40	63	81	76	80	76	69	71	67	68	49	0	235.1	60	11.7	30	0	3	8	7	13	0
PUNTA GORDA	0	8	30	37	53	61	66	71	80	87	86	75	48	0	217.9	55	11.0	12	0	4	5	15	7	0

TABLE VI - SUMMARY OF SUNSHINE RECORDS AUGUST 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19					NIL	0.1-3.0	3.1-6.0	6.1-9.0	9.1-12.0	MORE THAN 12
GUYANA																								
EBINI	0	19	55	70	68	75	81	76	82	81	69	49	29	0	238.8	61	11.2	24	0	1	8	13	9	0
FRIENDSHIP	0	12	57	70	79	84	83	80	60	69	56	47	19	0	228.3	61	11.0	21	0	0	13	7	11	0
GEORGETOWN BG	0	9	57	70	74	72	71	82	89	89	77	71	30	0	245.4	64	10.7	24	0	2	6	9	13	0
KAIETEUR FALLS	0	5	22	47	65	73	77	74	73	75	65	53	31	1	205.0	54	9.9	20	0	1	12	13	5	0
KAIRUNI	0	14	66	72	77	85	79	74	66	60	45	36	12	0	212.6	56	10.6	25	0	0	13	11	6	0
KAMARANG	0	0	7	35	66	73	66	62	78	84	79	60	19	0	195.3	51	9.2	22	0	1	11	17	1	0
LES BEHOLDEN	0	11	55	67	77	83	90	90	90	91	88	77	59	11	275.6	72	11.5	22	0	0	4	9	17	0
LETHEM	0	12	39	64	73	76	80	79	81	74	66	67	40	0	233.1	62	11.4	26	0	1	9	8	11	0
MAHAICONY	0	18	41	61	71	75	70	72	85	85	79	75	38	0	238.7	62	11.2	21	0	1	7	10	10	0
MAZARUNI	0	5	31	58	72	66	41	33	43	35	35	21	2	0	137.0	36	10.2	21	0	11	13	5	2	0
MON REPOS	1	23	57	76	77	72	76	82	90	94	80	61	25	0	253.1	66	11.1	21	0	1	6	10	14	0
NEW AMSTERDAM	0	20	62	72	82	89	88	80	89	89	83	73	23	0	263.6	69	11.1	15	0	0	6	9	16	0
SKELDON FRONT	0	30	67	71	79	86	80	80	73	76	71	64	38	0	261.4	69	11.4	31	0	0	4	13	13	0
TIBOKU SITE	0	3	37	57	73	83	84	88	85	79	76	51	16	0	226.9	60	11.0	19	0	1	8	14	8	0
TIMEHRI APT	0	26	62	73	66	68	60	64	57	70	59	54	23	0	204.6	55	11.5	21	0	2	9	10	9	0
WAUNA	0	26	63	75	77	76	61	56	45	45	49	39	15	0	194.4	51	9.7	28	0	0	15	13	3	0

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS SEPTEMBER 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths): MEAN AMT	Number of Observations: 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards: 0-440	440-1,100	1,100-2,200	miles: 1/4-1/2	1/2-1	1-2	2-5	5-10	10 or more
TRINIDAD																								
CENTENO	50	08	80.3	77.3	27.3	77																		
PENAL	25	08	81.1	77.9	24.5	68																		
TOBAGO																								
CROWN POINT APT		02	78.3	75.4	28.7	87	1012.7	4.9	3.7	0	10	9	8	0	0	0	0	0	0	0	0	0	12	15
		08	82.8	77.4	29.7	78	1014.3	8.7	4.8	0	6	9	13	0	0	0	0	0	0	0	0	0	10	18
		14	85.0	78.7	30.2	73	1012.4	10.8	5.5	0	2	10	17	0	0	0	0	0	0	0	0	0	5	24
		20	79.6	73.2	27.7	80	1013.2	5.1	4.4	0	7	9	11	1	0	0	0	0	0	0	0	0	7	21
LOUIS D'OR	40	08	83.1	77.5	29.7	77		0.1																
GRENADA																								
MIRABEAU	450	08	81.5	77.4	30.3	83			6.3	0	0	9	14	7	0									
PEARLS APT	22	08	82.0	77.5	30.2	81	1013.9	5.5	5.1	0	3	10	13	2	0	0	0	0	1	1	0	13	13
		14	84.6	78.8	31.0	76	1012.5	5.2	4.4	0	4	8	6	0	0	0	0	0	0	0	0	5	13
BARBADOS																								
G. ADAMS APT	183	02	80.4	76.5	29.3	83	1013.7	9.2	4.6	0	5	14	9	2	0	0	0	0	0	0	0	1	29
		08	81.3	76.8	29.5	81	1014.2	9.3	4.8	0	3	14	12	1	0	0	0	0	0	0	1	1	28
		14	85.0	78.0	29.5	72	1014.0	11.0	5.4	0	1	13	13	3	0	0	0	0	0	0	0	1	29
		20	81.2	76.8	29.4	81	1013.7	8.7	5.4	0	0	16	9	5	0	0	0	0	0	0	0	3	27
HUSBANDS CMI	370	08	80.6	76.3	29.1	82	1015.2	7.4	4.6	0	4	15	10	1	0	0	0	0	0	0	1	11	18
ST. VINCENT																								
CAMDEN PARK	15	08	82.5	75.7	27.3	72																		
ST. LUCIA																								
HEWANORRA APT	13	08	82.4	77.2	29.5	78	1014.5	10.7	4.7	0	2	16	10	1	0	0	0	0	1	0	0	0	28
		14	84.3	78.3	30.3	75	1013.3	10.8	5.2	0	2	15	11	2	0	0	0	0	0	0	0	4	26
ROSEAU WINBAN		09	83.7	77.2	28.9	73																		
VIGIE APT		08	82.1	76.7	28.9	77	1014.3	6.6	4.5	0	6	13	9	2	0	0	1	1	0	0	0	0	28
		14	84.9	77.4	28.7	70	1013.0	9.7	5.3	0	1	16	10	3	0	0	0	0	0	0	0	1	29
DOMINICA																								
MELVILLE HALL APT		08	82.0	77.1	29.5	79	1014.9	10.5	5.4	0	0	12	7	1	0	0	0	0	0	0	1	8	11
		14	83.7	77.9	30.1	76	1013.2	10.0	5.8	0	0	10	8	3	0	0	0	0	0	0	0	6	15

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS SEPTEMBER 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths): MEAN AMT	Number of Observations: 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards: 0-440	440-1,100	1,100-2,200	miles: 1/4-1/2	1/2-1	1-5	5-10	10 or more
ANTIGUA																							
COOLIDGE APT	26	02	76.8	75.8	28.7	91	1014.7	10.1	3.5	0	12	12	5	1	0	0	0	0	0	0	0	3	27
		08	81.6	76.6	29.1	79	1015.9	10.9	4.4	0	9	7	13	1	0	0	0	0	0	0	0	1	29
		14	84.0	77.4	29.1	73	1014.9	12.2	4.8	0	4	13	9	4	0	0	0	0	0	1	0	1	28
		20	80.6	73.6	28.1	79	1015.5	10.0	3.5	0	17	4	7	2	0	0	0	0	0	0	0	0	30
ST. KITTS/NEVIS																							
GOLDEN ROCK APT		08	81.6	77.1	29.7	81	1017.1	11.5	5.0	0	1	13	16	0	0	0	0	0	0	0	0	2	28
		14	84.3	78.0	29.9	74	1016.4	11.0	4.7	0	3	15	11	1	0	0	0	0	0	0	0	2	28
CAYMAN ISLANDS																							
WEST BAY		09	85.3	80.1	33.0	80		7.0	3.3	1	16	5	5	3	0								
BELIZE																							
BELIZE APT	17	00	79.7	77.9	31.9	92	1012.6	2.9	5.1	0	3	12	10	4	0	0	0	0	0	0	0	9	20
		06	77.4	76.4	30.7	96	1012.0	2.0	6.3	0	3	4	16	6	0	0	0	0	0	0	0	14	15
		12	85.4	80.0	32.7	79	1012.6	8.7	5.9	0	0	10	19	1	0	0	0	0	0	0	0	2	28
		18	81.8	78.7	32.0	86	1011.1	5.5	5.1	0	4	12	11	3	0	0	0	0	0	0	0	5	25
GUYANA																							
EBINI	94	09	78.3	76.0	29.7	90	1014.3	2.3	5.8	0	2	9	17	2	0	0	0	0	0	0	6	21	3
		15	87.7	77.1	27.0	60	1010.5	5.7	5.5	0	0	18	11	1	0	0	0	0	0	1	20	7
FRIENDSHIP		09	79.4	75.9	30.5	89																	
		15	87.4	78.7	29.6	67																	
GEORGETOWN BG	7	09	81.6	77.5	30.2	81	1014.4	5.0	4.8	0	5	11	13	1	0	0	0	0	0	0	1	21	8

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS SEPTEMBER 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0—440	440—1,100	1,100—2,200	miles 1/4—2	2—3	3—5	5—10	10 or more
GUYANA																							
GEORGETOWN BG	7	15	84.4	77.7	29.4	73	1012.9	8.2	4.8	0	5	12	11	2	0	0	0	0	0	0	0	13	17
GREAT FALLS		09	76.5	75.6	29.8	96																	
		15	86.6	77.6	28.3	65																	
ITABRU FALLS		09	77.7	76.1	29.9	92																	
		15	90.0	78.7	28.6	59																	
KAMARANG	1625	09	72.6	70.7	24.8	91	1016.7	1.5	5.6	0	2	11	14	2	1	0	1	0	0	0	0	23	6
		15	82.2	73.6	24.4	65	1012.2	5.8	4.6	0	3	17	10	0	0	0	0	0	0	0	0	4	26
MABARUMA	168	09	78.3	76.2	29.9	90	1013.7	3.2	4.3	0	11	6	13	0	0	0	0	0	0	0	1	23	6
		15	82.5	77.0	29.3	77	1011.7	5.4	5.4	0	5	7	18	0	0	0	0	0	0	0	2	10	18
MAHAICONY	6	09	81.8	77.4	30.2	81																	
MAHAICONY	6	15	85.4	78.0	29.5	71																	
MAZARUNI	47	09	78.1	76.3	30.1	92																	
		15	83.7	77.3	29.2	74																	
MON REPOS		09	82.6	78.3	31.3	82																	
		15	86.8	79.2	30.7	71																	
NEW AMSTERDAM	3	09	82.0	77.4	29.9	80																	
		15	87.2	78.4	29.3	66																	
SKELDON FRONT		09	81.1	76.8	29.6	82																	
		15	84.9	78.1	29.7	72																	
TIMEHRI APT	100	03	74.5	73.8	28.0	96	1012.0	0.3	4.1	9	1	7	11	2	0	0	0	0	1	0	2	23	4
TIMEHRI APT	100	09	79.2	76.5	29.9	88	1014.2	3.0	5.0	0	4	11	13	2	0	0	0	1	1	0	0	17	11
		15	84.5	76.9	28.2	70	1011.2	6.9	6.0	0	0	11	18	1	0	0	0	0	0	0	2	11	17
		21	77.3	75.4	29.1	91	1012.4	1.9	5.9	0	3	5	21	1	0	0	0	0	0	0	0	15	15

TABLE II SUMMARY OF DAILY OBSERVATIONS SEPTEMBER 1977

COUNTRY STATION	RAINFALL (inches) TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN .04	.40	1.00	AIR TEMPERATURE °F MEAN MAX A	MEAN MIN B	MEAN ½(A+B)	EXTREMES MAX	MIN	MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH THUNDER	FOG	HAIL	GALE
TRINIDAD																	
CENTENO	7.87	1.72	22	19	6	2	87.9	71.9	79.8	90	69						
PENAL	5.15	.72	26	17	5	0	88.1	71.7	79.9	91	69						
TOBAGO																	
CROWN POINT APT	2.75	.56	25	17	2	0	87.1	76.0	81.5	90	74	73.7	207.5	2	0	0	0
LOUIS D'OR	5.45	.66	9	24	5	0	86.3	74.7	80.5	88	71		195.0				
GRENADA																	
MIRABEAU	12.58	1.86	9	22	9	5	85.2	73.7	79.5	87	72		163.4				
PEARLS APT	8.75	1.72	9	20	6	2	86.6	76.7	81.7	89	74						
BARBADOS																	
G. ADAMS APT	5.41	1.29	19	14	4	1	86.1	78.3	82.2	88	74		254.9				
HUSBANDS CMI	10.02	4.15	17	16	6	1	86.4	74.4	80.4	90	71		225.1	2	0	0	0
ST. VINCENT																	
CAMDEN PARK	6.44	.91	21	21	5	0	86.3			90			185.8				
ST. LUCIA																	
HEWANORRA APT	6.01	1.77	21	20	5	1	86.3	77.1	81.7	87	74						
ROSEAU WINBAN	13.76	6.83	21	20	7	4	87.1	74.1	80.6	89	71						
VIGIE APT	13.61	6.18	23	20	8	4	87.1	75.2	81.2	89	70						
DOMINICA																	
MELVILLE HALL APT	12.93	1.81	17	22	7	4	86.1	75.5	80.8	88	72		203.7				
ANTIGUA																	
COOLIDGE APT	5.32	1.74	20	13	5	1	85.9	77.5	81.7	87	71						
CAYMAN ISLANDS																	
WEST BAY	6.40	1.67	26	14	6	1	89.1	76.1	82.6	91	72		183.7				

TABLE II SUMMARY OF DAILY OBSERVATIONS SEPTEMBER 1977

COUNTRY STATION	RAINFALL (inches)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN			MEAN MAX A	MEAN MIN B	MEAN $\frac{1}{2}$(A+B)	EXTREMES				THUNDER	FOG	HAIL	GALE
				.04	.40	1.00				MAX	MIN						
BELIZE																	
BELIZE APT	12.33	4.11	18	14	7	3	87.9	75.3	81.6	91	70		197.6	16	0	0	0
BELMOPAN	8.73	4.32	18	14	3	2	90.7	71.1	80.9	94	68			1	9	0	0
CENTRAL FARM	4.45	1.20	17	16	3	1	90.0	71.9	80.9	95	68		156.9	4	28	0	0
PUNTA GORDA	16.41	2.90	8	20	13	6	83.4	71.9	77.7	89	70		197.6	2	0	0	0
GUYANA																	
EBINI	4.65	.67	20	16	5	0	90.6	72.8	81.7	95	71	71.3	179.9	13	28	0	0
FRIENDSHIP	2.32	.90	3	9	2	0	90.7	71.9	81.3	94	70		194.9				
GEORGETOWN BG	4.44	1.35	4	12	3	1	86.8	74.6	80.7	89	71	72.6	209.2	5	0	0	0
GREAT FALLS	9.30	2.07	22	16	8	3	89.0	72.5	80.7	92	69	71.5		7	18	0	0
ITABRU FALLS	6.81	1.96	3	12	5	3		71.6			69	68.6		1	10	0	0
KAMARANG	8.32	1.56	3	19	9	2	85.3	68.3	76.8	89	65	67.4	142.5	12	1	0	0
MABARUMA	9.25	1.80	25	19	8	2	87.4	72.9	80.2	91	71			16	3	0	0
MAHAICONY	3.93	2.19	24	10	2	1	87.1	75.8	81.4	90	72		196.6				
MAZARUNI	6.33	1.23	25	19	6	2	86.1	74.2	80.1	91	72		126.1				
MON REPOS	1.73	.36	21	11	6	0	88.1	75.3	81.7	90	72		211.4				
NEW AMSTERDAM	2.72	1.05	24	9	3	1	89.8	74.1	82.0	91	71		225.4				
PLANTAIN ISLAND	8.79	3.12	24	19	6	2								23	0	0	0
SKELDON FRONT	2.66	1.07	1	14	1	1	88.3	69.1	78.7	90	65		221.7				
TIMEHRI APT	6.42	.76	6	19	6	0	88.9	72.5	80.7	92	70		171.2	11	2	0	0

TABLE 4 SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS SEPTEMBER 1977

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)			SOIL TEMPERATURES °F At 2 inch depth					SOIL TEMPERATURES °F At 4 inch depth				TOTAL RADIATION (langleys)		
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	MEAN MAX	MEAN MIN	EXTREMES MAX	EXTREMES DATE	EXTREMES MIN	MEAN MAX	MEAN MIN	EXTREME MAX	EXTREME MIN	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
TRINIDAD																	
CENTENO	60	107	5.23M	.27	7												
TOBAGO																	
CROWN POINT APT	72	145															
LOUIS D'OR	4	24	5.81	.30	21												
GRENADA																	
MIRABEAU	83	150															
BARBADOS																	
HUSBANDS CMI	118	174	7.19M	.41	20	87.1	77.0	91	17	75	84.2	77.4	92	75	15385	626	152
ST. VINCENT																	
CAMDEN PARK	54	123													14752	688	178
ST. LUCIA																	
ROSEAU WINBAN	62	88	5.55M	.28	6												
CAYMAN ISLANDS																	
WEST BAY	63	117	5.82	.32	11										14204	629	221
BELIZE																	
BELIZE APT	84	128															
BELMOPAN	44	78															
CENTRAL FARM	28	59															
PUNTA GORDA	32	52	5.30M	.33	9												
GUYANA																	
EBINI	23	47	6.53	.29	10	86.5	81.6	89	1	81	88.7	84.8	91	83			
FRIENDSHIP	47	66	5.50	.26	1												
GEORGETOWN BG	77	109	5.67	.27	24										15168	627	186
GREAT FALLS			4.15	.24	10												
ITABRU FALLS	20	30															
KAMARANG	54	80	4.98	.26	17												
MAHAICONY	133	196															
NEW AMSTERDAM	147	228	7.10	.32	5												
PLANTAIN ISLAND			5.20	.30	27												
TIMEHRI APT	41	80	5.62M	.35	5												

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS SEPTEMBER 1977

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
TRINIDAD								
CENTENO				.64	1.05	1.31	1.68	1.72
PENAL	.23	.28	.32	.40	.66	.66	.69	.76
TOBAGO								
CROWN POINT APT	.13	.17	.22	.28	.40	.40	.40	.40
LOUIS D'OR	.22	.32	.48	.52	.52	.52	.52	.56
BARBADOS								
HUSBANDS CMI	.48	.80	1.00	1.30	2.64	3.91	4.15	4.15
CAYMAN ISLANDS								
WEST BAY	.31	.35	.53	.76	.87	.87	.91	1.38
GUYANA								
APAIKWA	.60	.96	1.04	1.16	1.26	1.26	1.31	1.34
DAWA	.36	.40	.44	.45	.60	.64	.69	.95
EBINI	.20	.34	.46	.64	.64	.67	.67	.67
FRIENDSHIP	.34	.60	.66	.72	.84	.84	.89	.90
GEORGETOWN BG	.59	.80	.88	1.17	1.34	1.35	1.35	1.35
GREAT FALLS	.34	.49	.76	1.04	1.80	1.91	2.05	2.07
ITABRU FALLS	.39	.51	.85	1.31	1.87	1.96	1.96	1.96
KAMARANG	.32	.36	.44	.68	.81	.96	1.14	1.56
MABARUMA	.30	.60	.66	.96	1.00	1.08	1.80	1.80
MACKENZIE	.32	.64	.80	1.00	1.05	1.05	1.13	1.13
MARIPA	.64	.80	1.00	1.56	2.24	3.04	3.75	3.75
NEW AMSTERDAM	.28	.32	.35	.35	.35	.49	1.05	1.05
PLANTAIN ISLAND						2.56	2.91	2.91
ST. FRANCIS MISSION	.56	.82	.94	.94	.94	1.12	2.00	2.00
SKELDON FRONT	.14	.18	.18	.18	.18	.18	.20	.20
WARIMIA	.56	.73	.84	1.07	1.74	2.70	3.60	3.68

TABLE V – SUMMARY OF WINDSPEED RECORDS SEPTEMBER 1977

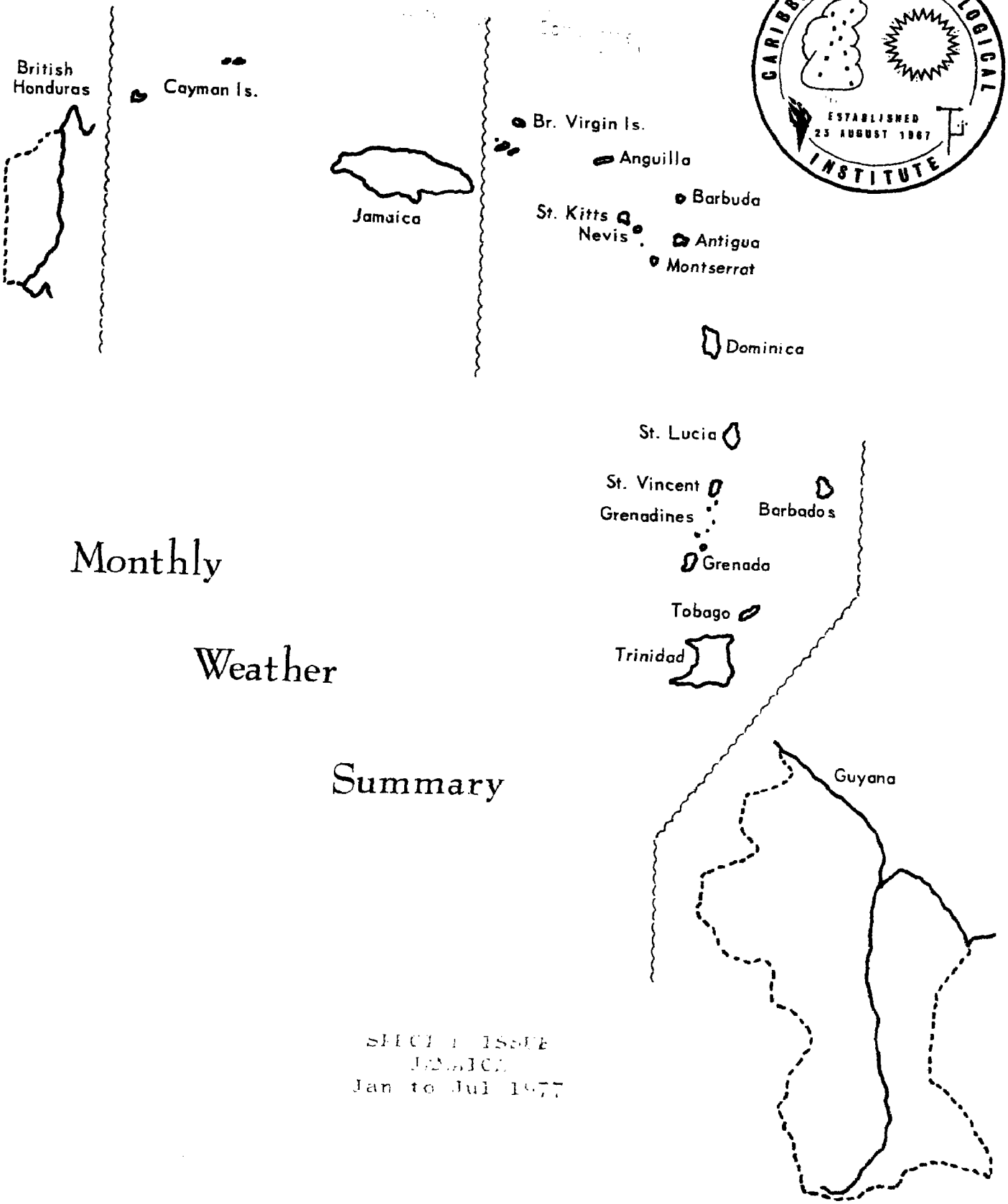
COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
TOBAGO												
CROWN POINT APT	11	19	20	25	15	30	2245	25	0	0	0	7.7
ANTIGUA												
COOLIDGE APT	13	26	14	21	12	44	1300	21	6	0	0	10.8
CAYMAN ISLANDS												
WEST BAY	14	12	24	1	11	28	1515	14	0	0	0	5.3
GUYANA												
EBINI	25	16	17	19	20	27	1530	20	0	0	0	3.2
TIMEHRI APT	04	13	18	1	06	22	2220	13	0	0	0	3.9

TABLE VI - SUMMARY OF SUNSHINE RECORDS SEPTEMBER 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	6-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19					NIL	0.1-3.0	3.1-6.0	6.1-9.0	9.1-12.0	MORE THAN 12
TRINIDAD																								
ST. AUGUSTINE UWI	0	17	74	87	89	85	70	61	60	59	51	3	5	0	208.8	57	10.4	7	0	2	7	16	5	0
TOBAGO																								
CROWN POINT APT	0	24	62	69	66	69	64	71	68	66	60	49	23	0	207.5	57	11.0	21	0	3	7	9	9	0
LOUIS D'OR	0	3	59	66	67	73	62	59	74	69	62	51	5	0	195.0	53	10.0	19	0	4	8	11	7	0
GRENADA																								
MIRABEAU	0	4	32	51	70	69	65	68	66	54	41	23	4	0	163.4	45	8.7	9	0	9	10	15	0	0
BARBADOS																								
C. ADAMS APT	0	29	73	78	86	87	86	84	84	81	75	29	3	0	254.9	70	11.7	9	3	1	0	8	18	0
HUSBANDS CMI	0	15	68	77	82	86	82	81	80	71	54	47	7	0	225.1	61	10.8	1	3	1	1	13	12	0
ST. VINCENT																								
CAMDEN PARK	0	1	45	62	67	70	64	66	70	59	55	41	11	0	185.8	50	10.3	16	4	4	3	12	7	0
DOMINICA																								
MELVILLE HALL APT	0	20	64	72	79	80	80	83	75	77	75	61	19	0	203.7	64	10.9	2	0	2	4	10	10	0
CAYMAN ISLANDS																								
WEST BAY	0	8	50	73	77	77	65	70	60	47	46	36	4	0	183.7	50	10.1	8	1	5	7	13	4	0
BELIZE																								
BELIZE APT	0	14	57	66	66	67	71	65	64	64	58	50	17	0	197.6	54	10.7	6	0	7	3	8	10	0
CENTRAL FARM	0	2	14	36	50	64	68	69	60	56	50	39	16	0	156.9	43	10.5	30	0	8	9	9	3	0
PUNTA GORDA	0	7	25	50	63	69	72	78	71	73	74	58	19	0	197.6	54	10.6	2	0	1	10	15	4	0

TABLE VI - SUMMARY OF SUNSHINE RECORDS SEPTEMBER 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19					NIL	0.1-3.0	3.1-6.0	6.1-9.0	9.1-12.0	MORE THAN 12
GUYANA																								
EBINI	0	8	39	52	66	69	74	74	69	55	54	33	6	0	179.9	49	10.6	10	1	6	5	14	4	0
FRIENDSHIP	0	6	47	56	65	72	74	75	75	70	63	41	5	0	194.9	53	10.4	1	0	5	6	15	4	0
GEORGETOWN BG	0	20	60	69	74	76	73	79	73	63	57	36	7	0	209.2	56	10.4	30	0	4	4	13	9	0
KAIRUNI	0	15	67	71	82	79	77	68	49	44	29	19	5	0	181.7	50	10.3	30	0	5	10	12	3	0
KAMARANG	0	1	17	42	51	63	59	54	55	59	45	26	4	0	142.5	39	8.7	1	0	6	15	9	0	0
LES BEHOLDEN	0	13	44	70	75	84	91	90	90	88	76	68	33	1	246.8	68	11.3	18	0	1	3	14	12	0
MAHAICONY	0	9	50	60	67	71	75	79	75	68	56	39	5	0	196.6	54	10.4	18	0	4	7	11	8	0
MAZARUNI	0	1	33	64	68	64	36	32	46	39	22	15	0	0	126.1	35	8.8	18	0	12	10	8	0	0
MON REPOS	0	4	53	73	81	84	84	86	79	71	55	34	1	0	211.4	58	9.9	20	0	3	5	15	7	0
NEW AMSTERDAM	0	9	53	68	77	82	86	89	85	75	63	55	9	0	225.4	62	10.7	30	0	3	2	14	11	0
SKELDON FRONT	0	17	59	74	81	77	79	69	80	73	68	50	11	0	221.7	61	10.7	5	0	4	4	12	10	0
TIMEHRI APT	0	9	57	69	68	62	52	49	47	56	56	42	5	0	171.2	47	9.9	5	0	5	11	8	5	0



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SPECIAL ISSUE
JAMAICA
Jan to Jul 1977

MONTHLY WEATHER SUMMARY

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C O N T E N T S

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Table II: Summary of daily observations

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Table V: Summary of wind speed records

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FOREWORD

This Publication is a Special Issue of the Monthly Weather Summary which contains data from Jamaica alone for the first six months of 1977.

Due to exceptional circumstances, the Jamaica Meteorological Service was unable to submit these data at the appropriate time and these data could not be included in the regular Monthly Weather Summaries for the relevant period.

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS JANUARY 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eights): MEAN AMT	Number of Observations: 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards: 0-440	440-1,100	1,100-2,200	miles: 1¼-2	2-3	3-5	5-10	10 or more
JAMAICA																							
ALCAN	2060	08	69.2	65.5	19.9	82																	
BERNARD LODGE	55	07	69.5	68.5	23.4	95																	
BODLES	50	07	70.7	68.7	23.2	91																	
		13	83.8	74.8	25.6	68																	
CAENWOOD	40	08	72.1	68.5	22.3	83																	
CAENWOOD	40	16	79.2	73.3	25.6	75																	
CEDAR VALLEY	1980	08	66.6	64.7	20.0	90																	
		13	76.7	70.4	22.8	73																	
CINCHONA GARDENS	4900	07	59.3	57.6	15.4	90																	
		16	65.0	63.3	19.0	90																	
DALLAS	950	09	71.6	68.2	22.0	83																	
		15	78.7	71.8	23.7	71																	
DUCKENFIELD	160	08	76.4	72.2	25.3	82																	
EAST ALBION	90	08	75.5	68.4	20.9	69																	
		13	85.0	74.2	24.2	59																	
HALLS DELIGHT	3020	07	67.5	62.4	17.0	74																	
		13	72.1	65.9	19.0	71																	
IRWIN	80	07	71.2	68.9	23.1	89																	
		13	78.8	73.0	25.4	76																	
KINGSTON	90	07	73.1	69.0	22.5	81																	

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS JANUARY 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0-440	440-1,100	1,100-2,200	miles 1/4-1/2	1/2-1	1-2	2-5	5-10	10 or more
JAMAICA																							
KINGSTON	90	13	83.6	74.1	24.7	63																	
N. MANLEY APT	10	01	76.3	72.9	26.4	85	1014.1	4.3	1.4	11	15	3	2	0	0	0	0	0	0	0	0	0	31
		07	75.2	72.3	25.9	87	1014.3	3.7	2.4	0	20	7	4	0	0	0	0	0	0	0	0	0	31
		13	83.7	77.2	29.5	75	1013.7	11.0	3.6	0	12	9	10	0	0	0	0	0	0	0	0	0	31
		19	79.1	74.9	28.0	82	1013.8	9.7	3.1	2	14	9	5	1	0	0	0	0	0	0	0	0	31
MORANT POINT L.H.	6	01	78.1	74.7	28.0	85	1014.6	11.5	2.8	3	10	15	2	0	0	0	0	0	0	0	0	0	30
		07	77.3	74.0	27.3	85	1014.8	12.2	4.7	1	5	11	12	1	0	0	0	0	0	0	0	0	30
		13	81.7	77.4	30.0	81	1014.7	12.7	4.5	0	3	18	7	2	0	0	0	0	0	0	0	0	30
		19	79.1	75.7	29.0	85	1014.5	12.3	4.0	1	7	13	7	2	0	0	0	0	0	0	0	0	30
MASON RIVER	2300	07	65.4	64.6	20.1	94																	
MASON RIVER		13	75.2	70.6	23.6	79																	
		19	67.2	65.3	20.2	89																	
MONYMUSK	30	08	74.1	69.8	23.1	80																	
		15	84.9	73.6	23.4	57																	
ORANGE RIVER	980	08	70.1	68.7	23.4	93																	
ORANGE RIVER	980	16	77.1	75.0	29.0	91																	
D. SANGSTER APT	5	01	73.4	68.9	22.5	80	1014.4	2.7	2.4	1	21	5	2	2	0	0	0	0	0	0	0	0	31
		07	72.3	68.0	21.9	81	1014.6	4.1	3.4	0	16	7	7	1	0	0	0	0	0	0	0	0	31
		13	80.7	72.3	24.1	67	1014.4	11.4	3.7	0	15	7	7	2	0	0	0	0	0	0	0	0	31
		19	76.1	71.0	24.2	79	1014.3	4.1	4.7	0	14	3	12	2	0	0	0	0	0	0	0	0	31
SMITHFIELD	925	08	71.1	68.8	23.2	88																	
		13	76.2	71.4	25.0	81																	
TOP MOUNTAIN	3550	08	61.7	59.1	16.0	85																	
		13	69.1	65.0	19.2	79																	
WORTHY PARK	1250	07	63.6	62.8	18.8	94																	
		15	77.6	69.2	20.8	64																	

TABLE II SUMMARY OF DAILY OBSERVATIONS JANUARY 1977

COUNTRY STATION	RAINFALL (inches) TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN .04	.40	1.00	AIR TEMPERATURE °F MEAN MAX A	MEAN MIN B	MEAN ½(A+B)	EXTREMES MAX	MIN	MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH THUNDER	FOG	HAIL	GALE
JAMAICA																	
ALCAN	1.30	.31	26	9	0	0	77.3	60.2	[illegible]	82	49						
BERNARD LODGE	.20	.09	24	3	0	0	82.9	64.6	75.8	90	60						
BODLES	.47	.22	23	3	0	0	86.5	65.1	75.8	88	61		230.2				
CAENWOOD	14.25	7.45	23	16	10	3	79.6	69.1	74.4	86	59						
CEDAR VALLEY	1.43	.62	24	4	2	0	70.9	51.8	70.9	83	54						
CINCHONA GARDENS	3.31	.90	19	8	4	0	67.7	47.2	57.5	70	44						
DALLAS	.45	.18	23	3	0	0	82.8	59.0	70.9	87	54						
DUCKENFIELD	2.57	.93	24	9	1	0	83.6	68.4	76.0	87	58		180.9				
EAST ALBION	.17	.09	24	2	0	0	87.0	70.7	78.9	89	64		231.4				
FROME	1.52	.65	29	5	1	0	89.5	67.4	78.5	94	62		206.6				
HALLS DELIGHT	1.07	.65	23	5	1	0	75.0	56.9	66.0	80	55						
IRWIN	2.60	1.30	25	7	1	1	85.6	64.3	75.0	93	58						
KINGSTON	.86	.70	23	2	1	0	85.9	70.5	78.2	91	65						
MASON RIVER	.83	.42	25	7	4	0	76.3	60.2	68.3	80	50						
MONYMUSK	.31	.13	25	3	0	0	89.0	66.5	77.8	92	62		225.3				
MORANT POINT L.H.	.82	.35	24	3	0	0	82.9	75.0	79.0	86	62						
ORANGE RIVER	3.73	1.56	23	17	2	1	80.5	64.4	72.5	86	56		193.3				
D. SANGSTER APT	1.11	.22	25	8	0	0	83.2	70.5	76.9	87	66		217.6				
SMITHFIELD	5.48	1.26	24	11	4	3	78.8	60.5	69.7	84	55		200.7				
TOP MOUNTAIN	1.29	.38	23	9	0	0	72.1	55.3	63.7	76	49						
WORTHY PARK	.54	.28	24	3	0	0	81.1	61.0	71.1	85	56		173.3				

TABLE III – SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS JANUARY 1977

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)			SOIL TEMPERATURES °F									TOTAL RADIATION (langleys)		
						At 2 inch depth					At 4 inch depth						
								EXTREMES					EXTREME				
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	MEAN MAX	MEAN MIN	MAX	DATE	MIN	MEAN MAX	MEAN MIN	MAX	MIN	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
JAMAICA																	
ALCAN			4.47	.23	11										14943	616	300
BODLES	77	151	5.60	.33	19												
CEDAR VALLEY	12	32															
EAST ALBION	55	129	6.09	.29	20												
HALLS DELIGHT	43	97															
D. SANGSTER APT	66	166															
SMITHFIELD	42	156	2.83	.25	11	80.2	67.6	87	1	64	78.1	70.8	84	68	10164	420	157
TOP MOUNTAIN	16	49															
WORTHY PARK	38	84															

TABLE IV – SUMMARY OF RAINFALL INTENSITY RECORDS JANUARY 1977

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
JAMAICA								
ALCAN		.16	.24	.24	.25	.25	.31	.31
BODLES			.16	.20	.22	.22	.22	.22
CEDAR VALLEY		.14	.23	.30	.30	.41	.53	.53
DUCKENFIELD		.20	.20	.22	.49	.62	.75	.91
EAST ALBION	.03	.03	.03	.03	.03	.05	.05	.09
HALLS DELIGHT	.10	.10	.20	.40	.40	.52	.64	.65
HERMITAGE	.05	.10	.12	.16	.23	.23	.31	.36
MASON RIVER	.02	.03	05	.11	.12	.24	.25	.25
D. SANGSTER APT	.15	.17	.17	.17	.17	.17	.19	.22
SMITHFIELD	.30	.60	.63	.80	1.00	1.15	1.26	1.26
TOP MOUNTAIN	.05	.08	.11	.15	.19	.31	.38	.38

TABLE V – SUMMARY OF WINDSPEED RECORDS JANUARY 1977

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	83	
JAMAICA												
BODLES	32	12	16	19	33	22	1515	19	0	0	0	2.7
MASON RIVER	06	10	11	13		17	1050	11	0	0	0	4.0
D. SANGSTER APT	08	22	12	13	30	36	1015	19	1	0	0	6.9

TABLE VI – SUMMARY OF SUNSHINE RECORDS JANUARY 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19					NIL	0.1–3.0	3.1–6.0	6.1–9.0	9.1–12.0	MORE THAN 12
JAMAICA																								
ALCAN	0	7	60	74	85	80	78	80	72	68	71	12	3	0	210.9	61	9.5	1	0	4	5	16	6	0
BODLES	0	1	73	88	86	81	74	74	75	63	60	54	15	0	230.2	66	10.5	27	0	1	6	14	10	0
CRAWFORD	0	3	61	65	87	93	89	82	84	74	60	43	0	0	238.5	69	10.0	11	0	3	2	15	11	0
DUCKNEFILED	0	2	31	52	67	69	72	70	70	57	57	36	0	0	180.9	52	9.2	11	1	3	11	14	2	0
EAST ALBION	0	15	65	81	78	73	77	74	70	70	69	59	9	0	231.4	67	10.5	29	0	2	7	9	12	0
N. MANLEY APT	0	8	78	90	85	90	91	79	70	69	57	36	2	0	234.5	67	10.3	27	0	1	5	18	7	0
MONYMUSK	0	0	26	65	73	78	85	86	84	84	95	50	0	0	225.3	65	9.2	10	0	1	4	21	4	0
ORANGE RIVER	0	0	36	73	73	77	78	69	58	59	57	39	5	0	193.3	56	9.6	11	1	2	9	15	3	0
D. SANGSTER APT	0	0	64	77	77	75	79	72	75	73	60	46	2	0	217.6	63	10.2	11	2	3	5	8	12	0
SMITHFIELD	0	23	73	69	81	81	76	62	54	54	37	30	7	0	200.7	58	10.7	11	1	4	6	15	5	0

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS FEBRUARY 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0-440	440-1,100	1,100-2,200	miles 1/4-2	2-5	5-10	10 & over
JAMAICA																						
ALCAN	2060	08	71.3	66.2	19.7	75																
		15	77.0	67.3	18.5	58																
BERNARD LODGE	55	07	70.6	69.7	24.4	96																
BODLES	50	07	71.2	69.6	24.2	93																
		13	84.3	76.0	27.1	67																
CAENWOOD	40	08	72.5	69.3	23.1	85																
		16	80.5	74.6	26.7	75																
CEDAR VALLEY	1980	07	68.2	65.9	20.7	88																
		16	78.1	70.3	21.8	66																
CINCHONA GARDENS	4900	07	59.1	57.8	15.8	92																
CINCHONA GARDENS	4900	16	65.8	64.0	19.6	91																
DALLAS	950	09	75.1	69.3	21.9	74																
		15	79.1	72.9	25.0	74																
DUCKENFIELD	160	08	79.1	73.8	26.1	77																
EAST ALBION	90	08	75.3	69.5	22.0	74																
EAST ALBION	90	13	85.0	73.5	23.1	56																
HALIS DELIGHT	3020	08	66.9	62.3	17.1	76																
IRWIN	80	07	72.1	70.0	24.2	90																
		16	82.0	74.5	25.9	69																
KINGSTON	90	07	73.6	69.8	23.2	82																
KINGSTON	90	13	83.9	75.0	25.6	64																
N. MANLEY APT	10	01	77.4	74.8	28.5	89	1014.8	3.4	1.6	8	14	5	1	0	0	0	0	0	0	0	0	28
		07	76.0	73.7	27.5	90	1015.1	4.2	3.0	0	17	4	7	0	0	0	0	0	0	0	0	28
		13	84.3	79.4	32.7	81	1014.8	13.9	3.7	0	8	13	7	0	0	0	0	0	0	0	1	27
		19	80.0	76.6	30.0	86	1014.1	9.8	3.0	0	16	6	6	0	0	0	0	0	0	0	0	28

TABLE 1 SUMMARY OF OBSERVATIONS AT FIXED HOURS FEBRUARY 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0-440	440-1,100	1,100-2,200	miles 1½-2	1-1½	½-1	2½-5	5-10	10 or more
JAMAICA																								
MASON RIVER	2300	07	64.9	63.8	19.8	94																		
		13	77.1	71.5	24.1	76																		
		19	66.2	64.4	19.8	90																		
MONYMUSK	30	08	74.6	70.7	23.9	82																		
		15	84.9	74.8	25.1	61																		
MORANT POINT L.H.	6	01	78.1	74.3	27.3	83	1015.6	10.9	3.2	2	8	13	5	0	0	0	0	0	0	0	0	0	0	28
		07	77.7	73.7	26.6	82	1015.7	12.0	4.6	0	5	10	13	0	0	0	0	0	0	0	0	0	0	28
		13	82.1	76.8	29.2	78	1015.7	11.7	4.2	0	6	15	7	0	0	0	0	0	0	0	0	0	0	28
		19	79.5	75.3	28.1	82	1014.9	10.1	4.1	0	7	13	7	1	0	0	0	0	0	0	0	0	0	28
ORANGE RIVER	980	08	70.2	68.7	23.5	93																		
ORANGE RIVER	980	16	76.4	74.4	28.2	91																		
D. SANGSTER APT	5	01	73.1	70.0	23.9	86	1015.0	1.1	2.1	6	15	2	5	0	0	0	0	0	0	0	0	0	1	27
		07	72.4	69.0	23.0	85	1015.2	2.3	3.0	0	17	3	7	1	0	0	0	0	0	0	0	0	0	28
		13	81.9	73.7	25.4	68	1015.0	13.2	3.6	0	13	6	7	2	0	0	0	0	0	1	0	0	0	27
		19	76.8	72.4	25.6	81	1014.2	5.3	4.2	0	10	6	11	1	0	0	0	0	0	0	0	0	0	28
SMITHFIELD	925	08	72.1	69.6	23.7	88																		
		13	77.1	72.8	25.6	81																		
TOP MOUNTAIN	3500	08	62.4	59.5	16.0	83																		
		13	70.1	64.8	18.5	74																		
WORTHY PARK	1250	07	63.6	62.9	19.3	96																		
		15	79.0	70.2	21.4	63																		

TABLE II SUMMARY OF DAILY OBSERVATIONS FEBRUARY 1977

COUNTRY STATION	RAINFALL (inches)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN			MEAN MAX A	MEAN MIN B	MEAN ½(A+B)	EXTREMES				THUNDER	FOG	HAIL	GALE
				.04	.40	1.00				MAX	MIN						
JAMAICA																	
ALCAN	.40	.20	13	3	0	0	79.1	60.7	69.9	84	53		197.1				
BERNARD LODGE	.81	.30	12	4	0	0	87.6	65.4	76.5	91	61						
BODLES	1.85	.82	12	5	2	0	86.8	66.4	76.6	89	62		194.1				
CAENWOOD	4.87	.85	11	3	6	0	81.2	62.6	71.9	87	58						
CEDAR VALLEY	1.49	.72	17	6	1	0	80.6	62.0	71.3	88	58						
CINCHONA GARDENS	2.65	.75	19	1	2	0	68.9	50.9	59.9	71	46						
DALLAS	1.98	.60	13	8	2	0	83.2	61.1	72.2	88	56						
DUCKENFILED	2.98	.70	20	2	3	0	84.0	69.5	76.8	86	64		215.3				
EAST ALBION	.33	.12	12	4	0	0	87.1	72.5	79.8	91	68		225.8				
FROME	3.01	1.00	9	1	4	1	87.0	68.2	77.6	92	65		170.4				
HALLS DELIGHT	1.02	.37	12	5	0	0	75.3	57.8	66.6	81	56						
IRWIN	6.06	2.30	17	9	3	3	87.4	64.1	75.8	91	61						
KINGSTON	.65	.35	19	5	0	0	86.4	71.5	79.0	90	68						
N. MANLEY APT	.36	.24	17	3	0	0							216.9				
MASON RIVER	1.23	.70	19	3	1	0	77.9	60.9	69.4	82	57						
MONYMUSK	2.24	1.68	7	6	1	1	88.0	67.7	77.9	92	64		206.9				
MORANT POINT L.H.	2.23	.63	19	6	3	0	83.2	75.1	79.2	85	66						
ORANGE RIVER	3.27	.83	11	1	4	0	81.1	64.5	72.8	86	60		189.4				
D. SANGSTER APT	5.01	2.11	19	7	4	1	84.0	70.6	77.3	87	66		199.5				
SMITHFIELD	4.18	1.17	16	3	3	2	80.1	60.5	70.3	85	51		185.3				
TOP MOUNTAIN	1.33	.42	19	7	1	0	73.3	58.5	65.9	79	57						
WORTHY PARK	1.44	.76	19	7	1	0	82.7	61.3	72.0	85	53		140.6				

TABLE III – SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS FEBRUARY 1977

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)			SOIL TEMPERATURES °F At 2 inch depth					At 4 inch depth				TOTAL RADIATION (langleys)		
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	MEAN MAX	MEAN MIN	EXTREMES MAX	DATE	MIN	MEAN MAX	MEAN MIN	EXTREME MAX	MIN	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
JAMAICA																	
ALCAN			4.65	.25	23										14504	649	357
BODLES	80	126	5.71	.32	21										14226	609	375
CEDAR VALLEY	18	40															
DUCKENFIELD			3.91M	.40	21												
EAST ALBION	59	110	5.56	.24	20												
FROME			4.01	.21	9												
HALLS DELIGHT	38	91															
MONYMUSK			4.95	.28	23												
ORANGE RIVER	2	6	3.66	.26	25										11128	549	212
D. SANGSTER APT	58	149													11022	543	181
SMITHFIELD	37	89	3.16	.21	5	81.5	67.8	86	24	65	78.5	71.2	83	69	10134	533	159
TOP MOUNTAIN	13	40															
WORTHY PARK	38	80	3.61	.20	25												

TABLE IV – SUMMARY OF RAINFALL INTENSITY RECORDS FEBRUARY 1977

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
JAMAICA								
ALCAN	.06	.07	.11	.19	.20	.20	.20	.20
BODLES	.10	.15	.20	.32	.55	.64	.82	.82
CEDAR VALLEY	.16	.28	.36	.46	.52	.58	.70	.70
DUCKENFIELD	.08	.12	.18	.21	.22	.26	.52	.70
EAST ALBION	.04	.06	.06	.08	.12	.12	.12	.12
HERMITAGE			.33	.40	.42	.44	.44	.44
N. MANLEY APT	.15	.18	.24	.24	.24	.24	.24	.24
MASON RIVER	.08	.12	.18	.24	.40	.48	.64	.70
D. SANGSTER APT	.20	.32	.35	.52	1.01	1.13	2.22	2.36
SMITHFIELD	.21	.41	.55	.58	.58	.75	1.07	1.17
TOP MOUNTAIN			.07	.12	.20	.23	.25	.42

TABLE V – SUMMARY OF WINDSPEED RECORDS FEBRUARY 1977

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
JAMAICA												
BODLES	02	12	10	1	13	22	1425	26	0	0	0	2.8
CRAWFORD	15	21	17	27	16	35	1530	27	2	0	0	4.3
N. MANLEY APT	13	23	16	28	13	31	1515	28	0	0	0	8.2
D. SANGSTER APT	08	23	16	3	08	28	1540	03	0	0	0	6.0

TABLE VI – SUMMARY OF SUNSHINE RECORDS FEBRUARY 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19					NIL	0.1–3.0	3.1–6.0	6.1–9.0	9.1–12.0	MORE THAN 12
JAMAICA																								
ALCAN	0	14	73	75	84	87	72	73	70	61	55	37	4	0	197.1	61	10.5	26	0	5	4	11	8	0
BODLES	0	1	65	77	74	78	76	81	64	61	55	42	19	0	194.1	60	10.6	26	0	2	8	10	8	0
CRAWFORD	0	5	71	85	87	88	85	74	73	74	53	34	4	0	205.4	64	10.3	23	0	1	6	13	7	0
DUCKENFIELD	0	1	70	68	79	71	81	83	87	80	77	63	2	0	215.3	67	10.0	9	0	1	4	15	7	0
EAST ALBION	0	18	68	81	84	95	84	81	82	79	74	67	8	0	225.8	70	10.5	4	0	1	4	10	13	0
N. MANLEY APT	0	18	77	84	86	86	85	87	78	63	60	46	4	0	216.9	67	10.6	2	0	2	4	11	10	0
MONYMUSK	0	0	60	34	85	79	79	86	81	76	69	35	5	0	206.9	64	10.3	24	0	2	5	13	8	0
ORANGE RIVER	0	4	47	73	81	30	81	76	66	60	59	44	5	0	189.4	59	10.4	27	0	5	4	11	8	0
D. SANGSTER APT	0	14	75	78	84	80	76	78	75	71	47	32	4	0	199.5	62	10.3	7	2	1	4	13	8	0
SMITHFIELD	0	36	73	76	82	78	72	68	58	48	36	26	8	0	185.3	57	10.3	25	0	2	7	15	4	0

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS MARCH 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (tenths): MEAN AMT	Number of Observations: 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards: 0—440	440—1,100	1,100—2,200	miles: 1¼—2	2—3	3—5	5—10	10 or more
JAMAICA																							
ALCAN	2060	07	77.3	66.1	18.7	67																	
		13	79.1	68.0	18.5	55																	
BERNARD LODGE	55	07	73.3	70.7	24.7	88																	
BODLES	50	07	74.6	70.6	23.9	82																	
		13	84.5	75.7	26.5	66																	
CAENWOOD	40	08	76.1	71.0	23.6	77																	
		16	82.3	74.4	25.5	68																	
CEDAR VALLEY	1980	07	72.2	65.9	19.0	70																	
		13	80.4	71.0	21.9	62																	
CINCHONA GARDENS	4900	07	59.9	58.7	16.4	93																	
CINCHONA GARDENS	4900	16	68.8	67.3	21.9	92																	
DALLAS	950	09	77.8	69.1	20.4	63																	
		15	81.2	70.7	20.9	58																	
DUCKENFIELD	160	08	80.1	73.9	24.6	70																	
EAST ALBION	90	08	76.5	69.5	21.5	69																	
EAST ALBION	90	13	86.4	74.2	23.3	54																	
HALLS DELIGHT	3020	08	68.6	63.0	17.0	71																	
		13	75.1	67.8	20.0	67																	
IRWIN	80	07	75.1	70.4	23.3	79																	
		16	84.0	74.6	25.1	63																	
KINGSTON	90	07	75.9	70.3	22.8	75																	
		13	86.1	75.4	25.1	59																	
N. MANLEY APT	10	01	77.8				1013.9	5.4	1.2	11	15	4	1	0	0	0	0	0	0	0	0	0	31
		07	76.5	71.9	25.1	81	1014.3	3.5	1.6	0	26	4	1	0	0	0	0	0	0	0	0	0	31
		13	85.2	76.9	28.6	70	1013.6	15.2	2.9	0	18	7	6	0	0	0	0	0	0	0	0	0	31

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS MARCH 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths): MEAN AMT	Number of Observations: 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards: 0—440	440—1,100	1,100—2,200	miles: ½—2	2—3	3—5	5—10	10 or more
JAMAICA																							
N. MANLEY APT	10	19	80.8	74.7	27.0	75	1013.2	11.4	2.1	0	23	5	3	0	0	0	0	0	0	0	0	0	31
MASON RIVER	2300	07	66.7	64.4	19.8	89		2.3															
		13	80.9	71.7	22.4	64		2.5															
		19	68.2	65.3	20.2	86		1.5															
MONYMUSK	30	08	79.1	71.8	23.4	69																	
MONYMUSK	30	15	86.2	75.0	24.6	58																	
MORANT POINT L.H.	6	01	78.0	74.3	27.4	84	1014.6	11.7	2.3	7	13	8	3	0	0	0	0	0	0	0	0	0	31
		07	78.0	74.3	27.4	84	1015.0	12.4	3.5	1	9	16	5	0	0	0	0	0	0	0	0	0	31
		13	82.4	76.8	29.0	77	1015.3	13.4	3.2	0	13	13	4	1	0	0	0	0	0	0	0	0	31
		19	79.7	75.0	27.7	80	1014.7	11.2	2.1	6	14	9	1	1	0	0	0	0	0	0	0	0	31
ORANGE RIVER	980	08	73.3	71.4	25.4	91																	
		16	80.9	78.2	31.7	91																	
D. SANGSTER APT	5	01	74.1	69.9	23.5	82	1013.8	2.0	1.0	7	23	0	1	0	0	0	0	0	0	0	0	0	31
		07	73.7	69.4	22.9	81	1014.3	2.9	1.8	0	24	5	2	0	0	0	0	0	0	0	0	0	31
		13	84.2	74.6	25.7	64	1013.9	18.8	2.7	0	21	3	7	0	0	0	0	0	0	0	0	0	31
D. SANGSTER APT	5	19	79.0	72.3	24.6	73	1013.1	7.4	2.8	0	17	10	4	0	0	0	0	0	0	0	0	0	31
SMITHFIELD	925	08	74.3	70.5	23.5	81																	
		13	79.5	73.7	25.7	75																	
TOP MOUNTAIN	3550	08	64.3	60.5	16.2	79																	
		13	72.8	66.0	18.9	69																	
WORTHY PARK	1250	07	63.2	62.0	18.5	93																	
		15	81.1	70.5	20.8	58																	

TABLE II SUMMARY OF DAILY OBSERVATIONS MARCH 1977

COUNTRY STATION	RAINFALL (inches)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN			MEAN MAX A	MEAN MIN B	MEAN ½(A+B)	EXTREMES				THUNDER	FOG	HAIL	GALE
				.04	.40	1.00				MAX	MIN						
JAMAICA																	
ALCAN	1.82	.66	13	5	2	0	80.8	59.8	70.3	84	54		258.2				
BERNARD LODGE	.00	.00	0	0	0	0	89.1	66.6	77.9	92	64						
BODLES	.59	.38	26	2	0	0	87.2	67.2	77.2	91	63		268.9				
CAENWOOD	2.58	.93	15	5	3	0	83.7	62.9	73.3	88	56						
CEDAR VALLEY	.51	.31	26	2	0	0	82.7	63.7	73.3	87	58						
CINCHONA GARDENS	.80	.40	25	3	1	0	72.2	53.9	63.1	75	52						
DALLAS	.42	.19	26	4	0	0	84.4	59.8	72.1	87	58						
DUCKENFIELD	1.19	.55	28	4	1	0	85.3	70.2	77.8	87	63		241.5				
EAST ALBION	.04	.02	8	0	0	0	87.9	72.5	80.2	91	70		257.9				
FROME	.65	.50	31	2	1	0	89.0	67.5	78.3	91	64		221.5				
HALLS DELIGHT	.25	.15	26	2	0	0	79.1	57.8	68.5	84	56						
IRWIN	.21	.15	24	2	0	0	89.6	63.7	76.7	93	60						
KINGSTON	.00	.00	0	0	0	0	88.4	72.3	80.4	90	69						
N. MANLEY APT	.00	.00	0	0	0	0							255.3				
MASON RIVER	.21	.19	25	1	0	0	82.4	60.8	71.6	84	56						
MONYMUSK	.01	.01	4	0	0	0	89.5	66.9	78.2	91	64		235.5				
MORANT POINT L.H.	.24	.15	2	2	0	0	83.5	75.7	79.6	86	67						
ORANGE RIVER	.45	.18	2	3	0	0	83.8	65.6	74.7	86	60		259.9				
D. SANGSTER APT	.04	.04	2	1	0	0	86.3	70.8	78.6	89	68		280.3				
SMITHFIELD	.29	.29	26	1	0	0	81.8	61.1	71.5	84	58		247.3				
TOP MOUNTAIN	.53	.24	26	4	0	0	76.5	58.8	67.7	82	56						
WORTHY PARK	.28	.28	2	1	0	0	85.2	59.5	72.4	89	53		193.6				

TABLE III - SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS MARCH 1977

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)			SOIL TEMPERATURES °F									TOTAL RADIATION (langleys)		
						At 2 inch depth					At 4 inch depth						
								EXTREMES					EXTREME				
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	MEAN MAX	MEAN MIN	MAX	DATE	MIN	MEAN MAX	MEAN MIN	MAX	MIN	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
JAMAICA																	
ALCAN			6.65	.40	4										17530	716	365
BODLES	107	175	7.18	.42	8										18040	655	431
EAST ALBION	83	153	6.84	.39	1												
HALLS DELIGHT	51	132															
MONYMUSK			7.74M	.34	11												
ORANGE RIVER	5	13	5.67M	.40	26										15642	592	320
D. SANGSTER APT	81	188	7.78	.42	28										14281	559	311
SMITHFIELD	42	95	4.53	.24	7	86.7	69.3	93	24	67	83.9	72.9	89	70	13101	546	290
TOP MOUNTAIN	23	84															
WORTHY PARK	49	79															

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS MARCH 1977

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
JAMAICA								
ALCAN	.18	.32	.44	.46	.55	.65	.66	.66
BODLES	.08	.14	.16	.30	.36	.38	.38	.38
CEDAR VALLEY	.06	.08	.12	.18	.21	.24	.30	.31
EAST ALBION	.02	.02	.02	.02	.02	.02	.02	.02
HALLS DELIGHT				.10	.11	.11	.15	.15
N. MANLEY APT	.00	.00	.00	.00	.00	.00	.00	.00
D. SANGSTER APT	.03	.03	.03	.03	.03	.04	.04	.04
SMITHFIELD	.16	.29	.29	.29	.29	.29	.29	.29
TOP MOUNTAIN	.05	.07	.10	.13	.19	.19	.20	.24

TABLE V – SUMMARY OF WINDSPEED RECORDS MARCH 1977

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
JAMAICA												
BODLES	11	14	14	5	11	28	1320	5	0	0	0	3.9
N. MANLEY APT	15	25	16	11	15	35	1525	11	5	0	0	8.8
D. SANGSTER APT.	08	27	13	28	07	37	1225	21	19	0	0	8.3

TABLE VI – SUMMARY OF SUNSHINE RECORDS MARCH 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19					NIL	0.1-3.0	3.1-6.0	6.1-9.0	9.1-12.0	MORE THAN 12
JAMAICA																								
ALCAN	0	30	89	94	91	87	83	82	79	69	67	47	15	0	258.2	69	10.8	18	0	1	4	13	13	0
BODLES	0	11	83	93	92	88	88	89	85	81	75	57	25	0	268.9	72	10.8	21	0	2	2	10	17	0
CRAWFORD	0	19	94	97	98	94	84	83	87	76	62	44	6	0	261.7	70	10.5	6	0	1	1	13	12	0
DUCKENFIELD	0	9	55	63	84	89	88	86	80	77	78	63	8	0	241.5	65	10.4	24	0	2	4	15	9	0
EAST ALBION	0	28	77	82	85	84	84	83	83	74	72	68	12	0	257.9	69	10.7	17	0	1	4	11	15	0
N. MANLEY APT'	0	11	80	88	82	86	85	87	83	82	79	57	3	0	255.3	69	10.1	14	0	2	4	7	17	0
MONYMUSK	0	8	57	67	74	78	81	79	78	84	80	70	4	0	235.5	63	10.3	8	0	4	3	10	13	0
ORANGE RIVER	0	0	52	73	81	85	88	86	87	88	88	79	31	0	259.9	70	10.3	17	0	1	4	10	15	0
D. SANGSTER APT	0	21	92	92	93	90	90	88	88	87	85	62	18	0	280.3	75	10.7	15	0	0	2	7	22	0
SMITHFIELD	0	42	91	87	94	94	88	73	67	56	52	43	10	0	247.3	66	10.6	7	0	0	2	22	7	0

TABLE 1 SUMMARY OF OBSERVATIONS AT FIXED HOURS APRIL 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eights): MEAN AMT	Number of Observations: 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards: 0–440	440–1,100	1,100–2,200	miles: ¼–½	½–1	1–3	3–5	5–10	10 or more
JAMAICA																								
ALCAN	2060	08	73.4	67.7	20.6	73																		
BERNARD LODGE	55	07	75.3	71.5	24.9	83																		
CAENWOOD	40	08	76.6	72.4	25.3	82																		
		16	81.4	74.9	26.7	73																		
CEDAR VALLEY	1980	08	73.1	68.6	21.9	79																		
CEDAR VALLEY	1980	13	78.6	71.2	22.8	68																		
CINCHONA GARDENS	4900	07	60.7	59.4	16.8	93																		
		16	67.8	66.3	21.4	92																		
DALLAS	950	09	77.1	70.6	22.7	71																		
		15	78.5	70.9	22.8	68																		
DUCKENFIELD	160	08	81.0	74.9	26.9	75																		
EAST ALBION	90	08	79.0	71.8	23.4	69																		
		13	85.5	74.9	24.8	60																		
HALLS DELIGHT	3020	07	68.6	63.6	18.0	75																		
		13	73.4	66.2	19.6	70																		
IRWIN	80	08	75.4	72.1	25.4	85																		
		16	83.2	75.6	26.9	69																		
KINGSTON	90	07	77.5	73.3	26.1	81																		
		13	85.8	76.5	27.1	64																		
MARSHALLS PEN	2300	07	67.1	66.5	22.0	97																		

TABLE 1 SUMMARY OF OBSERVATIONS AT FIXED HOURS APRIL 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (tenths) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0-440	440-1,100	1,100-2,200	miles 1¼-2	2-3	3-5	5-10	10 or more
JAMAICA																							
MARSHALLS PEN	2300	13	79.2	72.0	23.7	70		4.1	4.2	2	10	6	6	6	0								
MASON RIVER		07	67.4	66.0	21.2	93																	
		13	79.6	71.1	22.1	65																	
		19	68.3	66.4	21.3	90																	
MONYMUSK	30	08	80.9	74.1	25.7	71																	
MONYMUSK	30	15	85.6	75.5	25.7	61																	
MORANT POINT L.H.	6	01	78.5	74.9	27.8	83	1014.7	9.3	3.0	2	10	14	3	0	0	0	0	0	0	0	0	0	29
		07	77.8	74.5	28.0	86	1014.8	9.1	5.0	0	3	13	14	0	0	0	0	0	0	0	0	0	30
		13	82.6	77.6	30.1	79	1015.3	11.4	4.5	0	5	15	9	1	0	0	0	0	0	0	0	0	30
		19	79.7	76.0	28.9	84	1014.2	7.9	4.3	1	7	12	10	0	0	0	0	0	0	0	0	0	30
D. SANSTER APT	5	01	74.6	71.9	25.7	88	1014.5	2.5	1.9	7	15	4	2	1	0	0	0	0	0	0	0	0	29
		07	75.5	71.9	25.5	85	1014.9	2.3	3.5	0	14	6	9	0	0	0	0	0	0	0	0	0	29
		13	83.8	75.5	27.1	69	1014.6	16.6	3.3	0	14	9	5	2	0	0	0	0	0	0	0	0	30
		19	77.8	73.5	26.6	82	1014.1	5.7	4.2	0	11	7	9	2	0	0	0	0	0	0	0	0	29
SMITHFIELD	925	08	76.6	72.5	25.5	81																	
SMITHFIELD	925	13	79.7	74.6	27.0	78																	
TOP MOUNTAIN	3550	08	65.2	62.6	18.2	86																	
		13	71.1	66.7	20.4	78																	
WORTHY PARK	1250	07	67.3	66.5	21.6	95																	
		15	78.6	71.0	22.5	67																	

TABLE II SUMMARY OF DAILY OBSERVATIONS APRIL 1977

COUNTRY STATION	RAINFALL (inches)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH, OR MORE THAN			MEAN MAX A	MEAN MIN B	MEAN $\frac{1}{2}$(A+B)	EXTREMES				THUNDER	FOG	HAIL	GALE
				.04	.40	1.00				MAX	MIN						
JAMAICA																	
ALCAN	19.42	3.57	9	8	11	6	80.7	60.9	70.8	84	48		188.4				
BERNARD LODGE	5.25	1.86	8	7	5	2	88.0	69.0	78.5	91	64						
CAENWOOD	5.97	1.30	29	16	6	2	82.6	61.1	71.9	86	53						
CEDAR VALLEY	6.03	2.11	24	16	4	2	81.7	63.7	72.7	87	60						
CINCHONA GARDENS	6.78	1.75	14	12	4	3	70.9	55.0	63.0	75	53						
DALLAS	5.23	1.40	27	10	5	1	83.2	62.2	72.7	87	58						
DUCKENFIELD	5.40	1.11	24	10	6	1	85.2	70.4	77.8	87	64						
EAST ALBION	2.11	1.14	24	7	1	1	87.6	72.8	80.2	92	70		197.0				
FROME	11.67	2.85	22	18	10	4	89.2	70.0	79.6	92	65		181.3				
HALLS DELIGHT	4.23	1.80	14	10	2	2	77.1	58.6	67.9	82	53						
IRWIN	6.14	4.06	26	11	3	1	90.0	66.2	78.1	93	60						
KINGSTON	1.09	.55	23	5	1	0	87.9	74.1	81.0	91	71						
MARSHALLS PEN	14.08	2.57	18	13	9	6	80.5	63.5	72.0	84	60	62.1					
MASON RIVER	7.01	1.91	27	12	6	1	80.6	63.0	71.8	86	58						
MONYMUSK	7.61	2.66	26	10	5	3	89.7	70.7	80.2	92	66		217.1				
MORANT POINT L.H.	4.21	1.81	27	9	3	1	84.2	74.2	79.2	86	70						
D. SANGSTER APT	4.81	1.51	26	10	3	1	86.0	72.1	79.1	88	68		244.0	3	0	0	0
SMITHFIELD	12.77	5.08	23	12	6	3	82.1	63.5	72.8	84	58		229.8				
TOP MOUNTAIN	5.90	1.75	27	13	5	2	74.2	59.3	66.8	79	55						
WORTHY PARK	6.79	3.00	27	11	3	2	84.2	63.8	74.0	88	54		120.5				

TABLE III – SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS APRIL 1977

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)			SOIL TEMPERATURES °F At 2 inch depth					At 4 inch depth				TOTAL RADIATION (langleys)		
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	MEAN MAX	MEAN MIN	EXTREMES MAX	DATE	MIN	MEAN MAX	MEAN MIN	EXTREME MAX	MIN	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
JAMAICA																	
CEDAR VALLEY	14	57															
EAST ALBION	43	86	5.78	.25	3												
FROME			5.35	.30	21												
HALLS DELIGHT	38	74	4.51M	.37	16												
D. SANGSTER APT	67	111	6.93M	.35	3										15000	613	332
SMITHFIELD	42	62	4.71	.24	17	87.8	71.3	94	18	67	83.8	74.4	91	71	13313	610	277
TOP MOUNTAIN	20	139															
WORTHY PARK	43	95															

TABLE IV – SUMMARY OF RAINFALL INTENSITY RECORDS APRIL 1977

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
JAMAICA								
ALCAN	1.00	1.00	1.60	2.27	3.04	3.36	3.56	3.56
CEDAR VALLEY			.68	.76	1.20	1.65	1.73	1.73
EAST ALBION	.10	.16	.24	.32	.47	.47	.72	.95
N. MANLEY APT	.07	.10	.14	.14	.14	.18	.50	.50
MASON RIVER	.32	.44	.60	.94	1.10	1.91	1.91	1.91
SMITHFIELD	.50	1.00	1.00	1.52	1.78	2.93	5.08	5.08

TABLE V - SUMMARY OF WINDSPEED RECORDS APRIL 1977

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
JAMAICA												
N. MANLEY APT	13	25	16	4	13	30	1555	4	0	0	0	6.9
D. SANGSTER APT	06	24	12	3	06	33	1135	3	0	0	0	8.4

TABLE VI - SUMMARY OF SUNSHINE RECORDS APRIL 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19					NIL	0.1-3.0	3.1-6.0	6.1-9.0	9.1-12.0	MORE THAN 12
JAMAICA																								
ALCAN	0	40	70	82	75	78	73	66	58	37	22	17	9	0	188.4	50	11.5	2	0	3	11	12	4	0
CRAWFORD	0	37	79	82	87	85	83	84	87	66	41	31	13	0	232.6	62	10.6	4	0	1	4	19	6	0
EAST ALBION	0	26	47	57	61	65	73	80	71	64	51	43	17	0	197.0	53	10.8	6	0	5	4	12	6	0
N. MANLEY APT	1	49	83	88	84	79	78	73	68	62	47	36	13	0	228.6	61	11.0	6	0	2	6	11	10	0
MONYMUSK	0	6	34	51	75	74	78	77	83	90	82	61	11	0	217.1	58	10.3	5	0	1	5	15	6	0
ORANGE RIVER	0	8	55	78	69	74	69	72	61	55	38	33	16	0	188.4	50	10.4	6	0	1	13	11	5	0
D. SANGSTER APT	0	38	76	82	83	78	86	84	82	73	65	53	13	0	244.0	65	10.9	9	0	0	7	11	12	0
SMITHFIELD	1	54	76	76	87	83	78	75	59	57	48	40	32	0	229.8	61	11.4	29	0	0	6	18	6	0

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS MAY 1977

COUNTRY STATION	HEIGHT ABOVE MSL. ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0—440	440—1,099	1,100—2,200	miles 1/4—1/2	1/2—1	1—2	2—5	5—10	10 or more
JAMAICA																								
ALCAN	2060	08	71.7	69.1	23.2	88																		
		15	77.1	70.7	23.0	72																		
BERNARD LODGE	55	07	75.3	73.4	27.4	92																		
BODLES	50	07	78.1	74.7	28.0	85																		
		13	84.7	77.0	28.4	70																		
CAENWOOD	40	08	78.6	74.3	27.0	82																		
		16	82.3	76.4	28.4	75																		
CEDAR VALLEY	1980	08	72.7	69.8	23.6	86																		
		13	77.9	72.7	25.2	77																		
CINCHONA GARDENS	4900	07	62.6	61.1	17.7	91																		
CINCHONA GARDENS	4900	16	68.6	67.1	22.0	92																		
DALLAS	950	08	77.3	72.1	24.6	77																		
		15	78.7	72.8	24.9	74																		
DUCKENFIELD	160	08	80.0	75.7	28.6	82																		
EAST ALBION	90	08	80.7	73.9	25.5	72																		
EAST ALBION	90	13	85.5	76.2	26.7	64																		
HALLS DELIGHT	3020	08	69.0	64.3	18.5	76																		
		13	73.5	67.9	20.8	74																		
IRWIN	80	07	75.3	73.7	27.7	93																		
		16	81.2	77.2	30.1	83																		
KINGSTON	90	07	77.0	73.5	26.6	84																		
		13	84.6	77.3	28.5	70																		
N. MANLEY APT	10	01	79.4	75.7	29.0	85	1012.3	4.8	4.2	0	9	12	8	2	0	0	0	0	0	0	0	0	31
		07	79.8	76.1	29.4	85	1012.6	5.1	5.5	0	6	6	13	6	0	0	0	0	0	0	0	1	30
		13	85.3	78.9	31.3	75	1012.5	15.2	6.0	0	10	9	8	4	0	0	0	0	0	0	0	0	31

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS MAY 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0-440	440-1100	1100-2200	miles 1/4-1	1-2	2-3	3-5	5-10	10 or more
JAMAICA																								
N. MANLEY APT	10	19	81.1	76.8	29.9	83	1011.7	11.2	5.6	0	1	4	18	8	0	0	0	0	0	0	0	1	30
MARSHALLS PEN	2300	07	69.3	68.6	23.6	97		0.3	4.6	6	7	4	4	0	10								
		13	77.3	73.5	26.7	83		5.6	6.2	0	4	7	9	0	11								
MASON RIVER	2300	07	69.5	68.0	22.7	92																	
		13	77.3	71.3	23.7	74																	
MASON RIVER	2300	19	70.7	69.0	23.4	91																	
MONYMUSK	30	09	80.5	75.7	28.3	80																	
		16	85.1	77.0	28.1	68																	
MORANT POINT L.H.	6	01	78.8	75.7	28.9	86	1013.2	7.0	5.2	0	2	14	11	4	0	0	0	0	0	0	0	0	31
		07	79.0	75.7	28.9	86	1013.1	9.0	5.7	0	3	10	9	9	0	0	0	0	0	0	0	0	31
MORANT POINT L.H.	6	13	82.7	78.2	30.9	81	1013.5	10.4	6.0	0	2	10	13	6	0	0	0	0	0	0	0	0	31
		19	80.2	76.8	29.9	85	1012.4	8.6	5.7	0	1	11	15	4	0	0	0	0	0	0	0	0	31
D. SANGSTER APT	5	01	75.6	73.2	27.0	89	1012.4	1.1	3.0	2	15	7	6	1	0	0	0	0	0	0	0	0	31
		07	76.8	73.5	26.9	85	1012.7	1.8	5.5	0	5	7	15	4	0	0	0	0	0	0	0	1	30
		13	82.1	76.6	29.2	78	1012.7	11.4	6.3	2	8	8	12	1	0	0	0	0	0	0	0	1	30
D. SANGSTER APT	5	19	78.0	74.7	28.1	86	1012.0	3.0	6.2	0	1	1	26	3	0	0	0	0	0	0	0	2	29
SMITHFIELD	925	08	77.4	73.9	27.0	84																	
		13	79.2	76.0	29.2	86																	
TOP MOUNTAIN	3550	08	66.0	64.0	19.5	89																	
		13	72.2	68.6	22.3	83																	
WORTHY PARK	1250	08	70.4	69.4	24.1	95																	
		16	77.0	72.4	25.2	79																	

TABLE II SUMMARY OF DAILY OBSERVATIONS MAY 1977

COUNTRY STATION	RAINFALL (inches)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN			MEAN MAX A	MEAN MIN B	MEAN ½(A+B)	EXTREMES				THUNDER	FOG	HAIL	GALE
				.04	.40	1.00				MAX	MIN						
JAMAICA																	
ALCAN	25.03	10.48	30	17	12	4	79.7	66.0	72.9	83	60		152.8	5	0	0	0
BERNARD LODGE	3.09	.94	14	7	2	0	87.1	71.7	79.4	89	68						
BODLES	2.44	.82	29	10	2	0	86.2	71.5	78.9	89	68		190.1				
CAENWOOD	8.99	1.60	29	13	9	4	83.8	62.5	73.2	89	57						
CEDAR VALLEY	9.17	3.55	29	19	6	1	80.3	65.7	73.0	83	60						
CINCHONA GARDENS	8.06	1.33	18	16	8	4	71.0	56.1	63.6	73	54						
DALLAS	5.05	.80	8	11	4	0	82.8	64.3	73.6	85	60						
DUCKENFIELD	14.08	3.77	19	13	6	4	85.4	72.9	79.2	87	69						
EAST ALBION	2.33	.41	20	11	1	0	87.5	73.9	80.7	91	70						
FROME	12.34	2.68	17	11	7	6	87.8	72.2	80.0	90	70		187.5				
HALLS DELIGHT	5.80	1.00	31	14	7	1	77.0	59.2	68.1	81	57						
IRWIN	15.50	1.75	9	23	15	4	87.1	65.6	76.4	89	64						
KINGSTON	3.78	1.07	18	9	4	1	87.6	75.2	81.4	90	73						
N. MANLEY APT	1.11	.56	28	5	1	0	86.8	76.4	81.6	91	74		171.5	6	0	0	0
MARSHALLS PEN	22.59	8.34	30	15	13	5	79.1	66.1	72.6	81	58	65.0					
MASON RIVER	17.91	5.88	30	20	12	5	78.0	65.0	71.5	82	61			7	0	2	0
MONYMUSK	3.78	1.07	29	12	2	2	88.1	72.6	80.4	90	68		189.6				
MORANT POINT L.H.	14.36	4.15	19	11	5	3	84.2	74.3	79.3	86	70			8	0	0	0
D. SANGSTER APT	8.07	1.19	25	22	6	2	85.4	73.3	79.4	88	69		165.1	10	0	0	0
SMITHFIELD	14.12	1.64	5	23	14	2	82.0	64.4	73.2	85	61		165.7				
TOP MOUNTAIN	9.95	1.83	7	21	9	3	75.6	61.7	68.7	79	59						
WORTHY PARK	14.32	5.40	30	18	8	5	82.7	68.1	75.4	86	64						

TABLE III – SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS MAY 1977

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)			SOIL TEMPERATURES °F									TOTAL RADIATION (langleys)		
						At 2 inch depth					At 4 inch depth						
								EXTREMES					EXTREME				
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	MEAN MAX	MEAN MIN	MAX	DATE	MIN	MEAN MAX	MEAN MIN	MAX	MIN	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
JAMAICA																	
ALCAN															14830	624	205
BODLES	79	114	6.70	.27	24										15644	633	209
EAST ALBION	33	81															
HALLS DELIGHT	47	143															
N. MANLEY APT	131	219													17857	767	279
MONYMUSK			5.59	.43	21												
D. SANGSTER APT	34	72													12561	634	199
SMITHFIELD	32	55				84.2	72.8	91	11	69	81.7	74.6	89	69	11232	535	105
TOP MOUNTAIN	7	16															
WORTHY PARK	27	91															

TABLE IV – SUMMARY OF RAINFALL INTENSITY RECORDS MAY 1977

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
JAMAICA								
ALCAN	.70	1.20	1.75	3.25	5.20	7.81	8.66	9.22
BODLES	.15	.25	.28	.30	.32	.33	.36	.40
DALLAS					1.71	1.71	1.71	1.71
EAST ALBION	.10	.11	.11	.17	.24	.26	.28	.33
HALLS DELIGHT	.14	.21	.29	.45	.61	.65	.67	.80
HERMITAGE	.30	.58	.63	.90	1.10	1.12	1.12	1.12
N. MANLEY APT	.20	.32	.35	.36	.36	.48	.51	.55
D. SANGSTER APT	.25	.50	.57	.57	1.19	1.19	1.19	1.19
SMITHFIELD	.26	.52	.61	.80	.97	1.39	1.64	1.64

TABLE V - SUMMARY OF WINDSPEED RECORDS MAY 1977

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
JAMAICA												
BODLES	12	14	15	14	09	25	1730	11	0	0	0	2.7
N. MANLEY APT	12	26	14	2	12	38	1340	2	10	0	0	8.5
MASON RIVER	13	10	15	3	16	20	1310	17	0	0	0	2.8
D. SANGSTER APT	04	20	18	19	04	31	1720	10	0	0	0	5.4

TABLE VI - SUMMARY OF SUNSHINE RECORDS MAY 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19					NIL	0.1-3.0	3.1-6.0	6.1-9.0	9.1-12.0	MORE THAN 12
JAMAICA																								
ALCAN	1	27	39	59	57	59	59	51	43	35	28	23	12	0	152.8	39	10.1	3	3	6	8	11	3	0
BODLES	0	30	48	66	69	61	61	57	62	52	39	36	36	2	190.1	47	11.8	3	1	6	6	13	5	0
CRAWFORD	0	29	57	73	79	72	69	62	56	51	39	33	22	0	198.4	49	10.9	23	1	6	4	12	7	0
N. MANLEY APT	4	34	50	65	60	59	63	60	49	47	29	21	13	0	171.5	43	11.2	3	0	7	8	12	3	0
MONYMUSK	0	1	34	45	57	62	69	67	64	66	65	54	18	0	189.6	47	10.5	4	1	2	9	15	3	0
ORANGE RIVER	0	25	61	62	66	68	64	51	34	21	18	15	12	1	154.9	38	10.1	19	0	7	10	9	1	0
D. SANGSTER APT	1	41	66	71	69	71	65	40	35	25	20	24	5	0	165.1	41	11.4	18	1	6	10	12	2	0
SMITHFIELD	7	48	70	71	75	66	47	32	27	22	23	29	15	1	165.7	41	10.9	18	0	5	13	11	2	0

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS JUNE 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths): MEAN AMT	Number of Observations: 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards: 0—440	440—1,100	1,100—2,200	miles: 1/4—2	2—3	3—5	5—10	10 or more
JAMAICA																							
ALCAN	2060	07	73.9	69.4	22.5	79																	
		13	79.8	71.5	22.6	65																	
BERNARD LODGE	55	07	77.5	73.3	26.1	81																	
BODLES	50	07	78.8	74.4	27.4	82																	
		13	87.6	77.4	27.6	62																	
CAENWOOD	40	08	83.1	76.0	27.6	71																	
		16	86.6	77.5	28.3	65																	
CEDAR VALLEY	1980	07	76.9	70.9	23.2	73																	
		13	81.3	73.4	24.6	67																	
CINCHONA GARDENS	4900	07	63.2	62.0	18.4	93																	
CINCHONA GARDENS	4900	16	71.9	70.5	24.9	93																	
DALLAS	950	08	81.5	72.5	23.3	63																	
		15	83.4	72.8	22.6	58																	
DUCKENFIELD	160	08	83.2	77.1	29.2	75																	
EAST ALBION	90	08	82.6	75.2	26.6	70																	
EAST ALBION	90	15	88.6	77.4	27.1	59																	
HALLS DELIGHT	3020	07	71.5	66.6	20.1	66																	
		13	76.2	70.4	23.0	75																	
IRWIN	80	07	75.2	73.1	27.0	91																	
		15	87.7	72.7	31.0	69																	

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS JUNE 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths): MEAN AMT	Number of Observations: 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No. of Observations) yards: 0–440	440–1,100	1,100–2,200	km: 1/4–1/2	1/2–1	1–2	2–5	5–10	10 or more
JAMAICA																								
KINGSTON	90	07	79.6	73.4	25.5	74																		
		13	88.8	77.8	27.5	59																		
N. MANLEY APT	10	01	81.5	76.4	29.1	79	1014.5	6.0	3.0	5	10	7	8	0	0	0	0	0	0	0	0	1	29
		07	82.0	76.4	29.0	78	1014.5	7.3	3.6	0	15	6	9	0	0	0	0	0	0	0	0	2	28
		13	89.0	79.6	31.2	67	1014.2	18.6	4.0	0	11	8	10	1	0	0	0	0	0	0	0	1	29
N. MANLEY APT	10	19	83.8	76.9	29.1	74	1013.7	14.1	4.3	1	8	8	13	0	0	0	0	0	0	0	0	0	30
MARSHALLS PEN	2300	07	71.4	69.7	24.1	92																	
		13	80.2	73.5	25.3	72																	
MASON RIVER	2300	07	70.8	69.1	23.5	91																	
		13	80.3	73.0	24.4	69																	
MONYMUSK	30	08	83.7	77.0	28.6	73																	
		15	86.5	78.3	29.4	68																	
MORANT POINT L.H.	6	01	81.5	77.7	30.8	84	1015.1	13.0	2.8	4	8	15	2	1	0	0	0	0	0	0	0	0	30
		07	81.4	77.6	30.7	84	1015.2	13.3	4.2	0	6	17	6	1	0	0	0	0	0	0	0	0	30
		13	84.9	79.8	32.5	79	1015.5	12.7	3.9	0	8	14	8	0	0	0	0	0	0	0	0	0	30
MORANT POINT L.H.	6	19	82.4	78.3	31.3	83	1014.7	11.3	4.1	0	8	14	8	0	0	0	0	0	0	0	0	0	30
D. SANGSTER APT	5	01	77.3	72.6	25.6	80	1014.5	2.8	1.5	8	17	1	3	0	0	0	0	0	0	0	0	0	29
		07	79.0	73.9	26.7	79	1014.8	2.9	3.1	3	12	5	9	0	0	0	0	0	0	0	0	0	29
		13	87.3	77.4	28.7	65	1014.3	18.9	3.0	0	17	6	5	2	0	0	0	0	0	0	0	0	30
		19	81.6	75.8	28.3	77	1013.9	8.0	3.8	1	14	3	9	3	0	0	0	0	0	0	0	0	30
SMITHFIELD	925	08	79.4	75.0	27.7	81																	
		13	83.1	77.8	30.3	78																	
TOP MOUNTAIN	3550	08	67.8	64.2	19.0	82																	
		13	75.9	70.0	22.4	73																	
WORTHY PARK	1250	07	71.0	69.4	23.8	91																	
		15	82.2	73.7	24.5	65																	

TABLE II SUMMARY OF DAILY OBSERVATIONS JUNE 1977

COUNTRY STATION	RAINFALL (inches)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN			MEAN MAX A	MEAN MIN B	MEAN ½(A+B)	EXTREMES				THUNDER	FOG	HAIL	GALE
				.04	.40	1.00				MAX	MIN						
JAMAICA																	
ALCAN	7.75	5.07	8	7	3	3	81.4	65.8	73.6	85	60		242.7				
BERNARD LODGE	.29	.29	8	1	0	0	90.5	72.4	81.5	93	68		241.0				
BODLES	.99	.69	7	4	1	0	89.8	71.0	80.4	93	68		267.4				
CAENWOOD	1.79	.40	28	10	1	0	87.8	66.8	77.3	90	62						
CEDAR VALLEY	.92	.30	2	6	0	0		68.6			61						
CINCHONA GARDENS	2.59	1.89	8	4	1	1	74.5	56.7	65.6	77	55						
DALLAS	.26	.26	8	1	0	0	87.8	66.1	77.0	91	61						
DUCKENFIELD	1.16	1.01	7	4	1	1	87.9	76.0	82.0	90	70						
EAST ALBION	1.76	.73	2	6	2	0	89.9	77.2	83.6	93	73		295.8				
FROME	8.51	1.07	27	8	6	1	90.0	71.2	80.6	94	68		177.2				
HALLS DELIGHT	1.71	1.30	8	3	1	1	79.0	61.0	70.0	85	58						
IRWIN	2.05	.85	30	5	2	0	91.2			96							
KINGSTON	.18	.06	2	3	0	0	91.2	77.1	84.2	95	74						
N. MANLEY APT	.33	.13	8	3	0	0	90.2	78.9	84.6	94	75		281.2				
MARSHALLS PEN	6.09	3.69	8	3	3	3	81.0	68.5	74.8	85	64	67.1		4	1	0	1
MASON RIVER	2.48	.97	8	9	2	0	81.1	65.4	73.3	85	61						
MONYMUSK	.68	.28	8	4	0	0	89.1	73.7	81.4	91	69		258.3				
MORANT POINT L.H.	.97	.82	7	3	1	0	85.5	79.0	82.3	87	71						
D. SANGSTER APT	1.56	.57	28	6	2	0	89.0	74.4	81.7	91	71		262.0	3	0	0	0
SMITHFIELD	6.56	1.42	17	13	4	2	85.1	64.8	75.0	89	62		253.7				
TOP MOUNTAIN	1.68	1.09	8	5	1	1	80.4	62.3	71.4	82	57						
WORTHY PARK	4.63	2.46	8	7	3	2	85.3	66.8	76.1	89	63		209.5				

TABLE III – SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS JUNE 1977

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)			SOIL TEMPERATURES °F									TOTAL RADIATION (langleys)		
						At 2 inch depth					At 4 inch depth						
								EXTREMES					EXTREME				
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	MEAN MAX	MEAN MIN	MAX	DATE	MIN	MEAN MAX	MEAN MIN	MAX	MIN	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
JAMAICA																	
ALCAN			6.88M	.37	12										17489	724	275
BERNARD LODGE			8.15	.40	22												
BODLES	100	151	8.44	.43	23										17715	677	411
CEDAR VALLEY			5.37M	.36	11												
DUCKENFIELD			5.75	.34	27												
EAST ALBION	39	79	6.18	.31	2												
HALLS DELIGHT	43	106	5.23M	.30	7												
N. MANLEY APT	163	236													20363	787	593
MONYMUSK			7.59M	.34	1												
D. SANGSTER APT	65	120	8.27	.46	20										16083	649	368
SMITHFIELD	29	92	6.10M	.39	15	90.1	74.3	95	12	69	86.2	76.4	91	73	14638	676	141
TOP MOUNTAIN	11	28															
WORHTY PARK	39	86	5.22	.21	11												

TABLE IV – SUMMARY OF RAINFALL INTENSITY RECORDS JUNE 1977

COUNTRY STATION	MAXIMUM AMOUNTS (Inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
JAMAICA								
ALCAN	.35	.60	.70	1.04	1.38	1.65	3.81	4.83
EAST ALBION	.14	.21	.27	.30	.37	.37	.37	.67
N. MANLEY APT	.06	.08	.08	.08	.08	.08	.11	.13
MASON RIVER	.36	.47	.47	.47	.47	.54	.60	.97
ORANGE RIVER	.16	.20	.21	.21	.21	.21	.21	.21
D. SANGSTER APT	.07	.10	.15	.20	.40	.57	.57	.57
SMITHFIELD	.50	1.00	1.00	1.00	1.10	1.42	1.42	1.42
TOP MOUNTAIN	.16	.20	.25	.27	.32	.46	.76	1.01

TABLE V - SUMMARY OF WINDSPEED RECORDS JUNE 1977

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
JAMAICA												
N. MANLEY APT	11	24	12	18	10	38	1405	18	6	0	0	11.6
D. SANGSTER APT	08	27	17	18	08	38	1635	18	18	0	0	8.7

TABLE VI - SUMMARY OF SUNSHINE RECORDS JUNE 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19					NIL	0.1-3.0	3.1-6.0	6.1-9.0	9.1-12.0	MORE THAN 12
JAMAICA																								
ALCAN	0	41	75	83	87	89	88	85	78	69	56	42	16	0	242.7	61	11.1	15	1	1	1	15	12	0
BODLES	0	31	73	89	91	95	93	90	90	79	70	48	39	2	267.4	68	11.7	7	0	0	2	11	17	0
CRAWFORD	0	33	92	99	99	98	99	95	89	78	62	53	38	0	280.7	71	11.4	3	0	0	1	10	17	0
EAST ALBION	2	50	68	94	94	92	90	94	95	91	87	76	52	2	295.8	75	11.9	15	0	0	0	8	22	0
N. MANLEY APT	3	59	87	92	95	96	95	96	94	77	75	50	19	0	281.2	71	12.0	4	0	0	1	10	19	0
MONYMUSK	0	15	42	75	78	89	94	88	94	92	87	76	31	0	258.3	65	11.1	16	0	1	3	11	15	0
ORANGE RIVER	1	11	75	86	91	88	89	89	89	79	79	69	39	2	266.6	67	11.0	19	0	0	3	9	16	0
D. SANGSTER APT	0	48	80	96	94	93	93	91	86	73	67	50	4	0	262.0	66	11.0	7	0	1	1	11	17	0
SMITHFIELD	6	64	79	93	94	93	88	77	59	54	59	41	35	3	253.7	64	11.9	30	0	1	2	13	14	0

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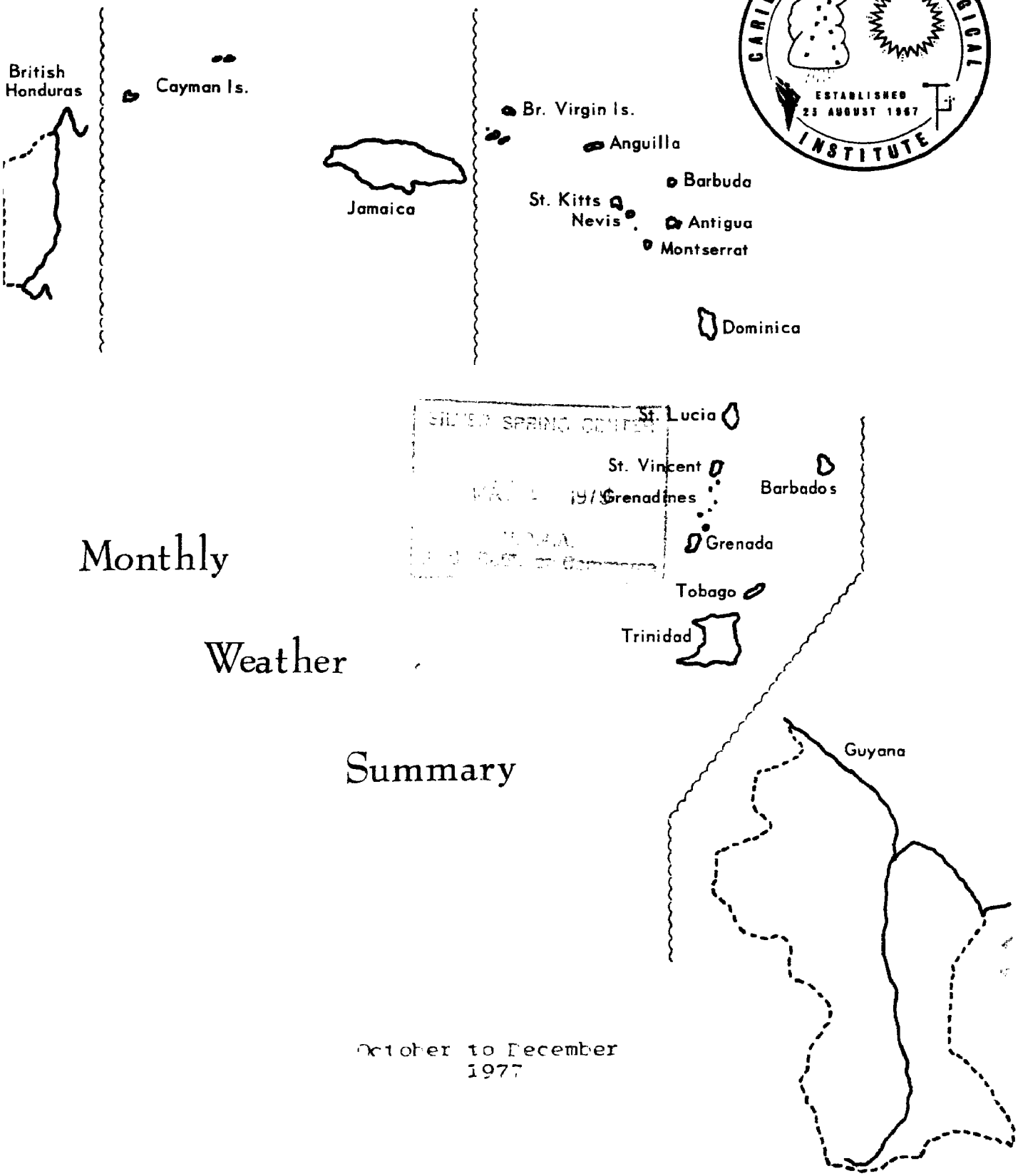

CARIBBEAN METEOROLOGICAL INSTITUTE
ESTABLISHED 23 AUGUST 1967

SILVER SPRING CENTER
MAR 1978
NOAA

Monthly Weather Summary

October to December
1977

MONTHLY WEATHER SUMMARY

Prepared and published by the
Caribbean Meteorological Institute
Husbands, St. James, Barbados, W.I.

October to December
1977

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Table III:	Summary of agrometeorological observations
Table IV:	Summary of rainfall intensity records
Table V:	Summary of wind speed records
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TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS OCTOBER 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0-440	440-1,100	1,100-2,200	miles 1¼-2	2-3	3-5	5-10	10 or more
TRINIDAD																							
CENTENO	50	08	79.9	77.1	30.6	88																	
PENAL	25	08	81.4	78.2	31.5	86																	
PIARCO APT	41	02	75.5	74.4	28.5	95	1011.7	2.0	4.2	1	8	11	11	0	0	0	0	0	0	0	1	12	18
		08	79.8	76.9	30.3	87	1013.8	4.3	4.7	0	6	13	11	1	0	0	0	0	0	0	5	9	17
		14	85.5	78.1	29.6	71	1011.3	9.8	6.1	0	1	9	19	2	0	0	0	0	0	0	5	9	17
PIARCO APT	41	20	77.9	75.9	29.6	91	1012.6	4.4	5.0	0	5	10	15	1	0	0	0	0	0	0	2	6	23
ST. AUGUSTINE UWI	52	09	83.0	78.3	31.0	81		4.6															
TOBAGO																							
CROWN POINT APT		02	78.2	75.8	29.4	89	1011.4	4.8	3.3	0	13	6	8	0	0	0	0	0	0	0	0	12	15
		08	83.2	78.8	31.6	81	1013.5	7.6	4.3	0	6	13	10	0	0	0	0	0	0	0	2	2	25
		14	85.5	79.7	31.0	74	1011.2	10.1	5.2	0	3	12	13	1	0	0	0	0	0	1	2	3	23
		20	79.6	76.8	30.2	88	1012.5	5.9	4.3	0	8	9	10	1	0	0	0	0	0	0	1	9	18
LOUIS D'OR	40	08	83.3	77.7	30.0	77																	
GRENADA																							
MIRABEAU	450	08	81.7	77.4	30.2	82			5.8	0	0	13	15	3	0								
ST. VINCENT																							
CAMDEN PARK	15	08	83.2	76.0	27.7	71																	
BARBADOS																							
G. ADAMS APT	183	02	80.4	76.9	30.0	85	1012.5	8.9	4.7	0	6	13	10	2	0	0	0	0	0	0	0	1	30
		08	80.5	77.1	30.2	85	1013.4	8.7	5.6	0	2	11	17	1	0	0	0	0	0	0	0	0	31
		14	83.4	78.3	30.9	79	1012.7	10.5	5.9	0	1	10	13	7	0	1	0	1	0	0	0	2	27
		20	80.8	77.4	30.2	84	1012.6	7.6	5.3	0	3	14	9	5	0	1	0	0	0	0	0	1	29
HUSBANDS CMI	370	08	79.0	73.5	28.3	84	1014.3	7.3	5.2	0	2	14	14	1	0	0	0	0	0	0	0	13	18
ST. LUCIA																							
HEWANORRA APT	13	08	81.9	77.2	29.8	80	1013.6	10.5	5.6	0	2	9	18	2	0	0	0	0	0	0	1	3	27
		14	83.8	78.1	30.3	77	1012.2	10.8	5.7	0	1	10	17	2	0	0	0	0	0	0	0	1	29
ROSEAU WINBAN		09	82.3	77.1	29.5	78																	
VIGIE APT		08	80.8	76.4	29.1	81	1013.5	5.1	5.1	0	7	6	15	3	0	0	0	1	0	0	0	2	28
		14	84.1	77.2	28.8	80	1011.7	8.0	5.7	0	2	9	16	4	0	0	0	0	0	1	0	1	29
DOMINICA																							
MELVILLE HALL APT		08	81.0	77.0	29.9	83	1013.8	4.4	5.3	0	2	10	9	2	0	0	0	0	0	0	0	4	19
		14	82.7	77.7	30.3	79	1011.8	5.1	5.7	0	3	6	11	4	0	0	0	0	0	0	0	8	16

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS OCTOBER 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No. of Observations) yards 0-440	440-1,100	1,100-2,200	miles 1¼-2	2-3	3-5	5-10	10 or more
ANTIGUA																							
COOLIDGE APT	26	02	79.7	75.8	28.7	83	1013.5	10.1	3.8	0	10	13	8	0	0	0	0	0	0	0	0	2	29
		08	81.3	76.7	29.1	80	1015.0	10.5	4.9	0	3	14	13	1	0	0	0	0	0	0	0	0	31
		14	84.2	77.6	29.4	74	1013.3	11.8	5.1	0	2	14	13	2	0	0	0	1	0	0	0	0	30
		20	80.4	76.0	28.7	81	1014.4	11.2	3.4	0	13	12	5	1	0	0	0	0	0	0	0	1	30
ST. KITTS/NEVIS																							
GOLDEN ROCK APT		08	81.4				1016.2	11.1	5.3	0	0	18	12	1	0	0	0	0	0	0	0	1	30
		14	84.8				1014.8	12.0	5.3	0	1	13	16	1	0	0	0	0	0	0	0	0	31
CAYMAN ISLANDS																							
WEST BAY		09	84.7	78.5	30.6	75		5.5	2.7	2	16	9	1	3	0								
BELIZE																							
BELIZE APT	17	00	75.5	75.0	29.6	98	1014.0	1.7	4.1	1	12	7	8	2	1	0	1	0	0	0	1	1	18
		06	73.6	73.2	28.0	99	1013.7	1.9	5.5	0	4	7	17	3	0	0	1	0	1	1	3	15	10
		12	84.2	78.7	31.3	78	1013.7	7.2	5.4	0	2	11	17	1	0	0	0	0	0	0	1	8	22
		18	79.1	77.4	31.6	93	1012.7	2.9	5.3	0	7	5	17	2	0	0	0	0	0	0	2	10	20
GUYANA																							
DAWA		09	79.8	77.7	31.5	91																	
		15	85.2	78.2	30.0	73																	
EBINI	94	09	78.8	75.9	29.3	87	1013.4	1.9	5.5	0	2	8	16	3	0	0	1	0	0	0	7	21	0
		15	88.5	76.9	26.4	58	1009.4	5.0	5.7	0	0	16	12	1	0	0	0	0	0	0	2	22	5
FRIENDSHIP		09	79.6	77.2	30.8	89																	
FRIENDSHIP		15	87.5	78.4	29.2	66																	
GEORGETOWN BG	7	09	82.4	78.2	31.1	82	1013.7	4.1	4.8	0	2	20	9	0	0	0	0	0	0	0	0	26	5
		15	84.5	78.2	30.1	75	1012.1	7.8	5.0	0	4	15	11	1	0	0	0	0	0	0	0	21	10
GREAT FALLS		09	77.6	76.1	30.1	93																	
ITABRU FALLS		09	78.4	76.5	30.3	91																	

TABLE 1 SUMMARY OF OBSERVATIONS AT FIXED HOURS OCTOBER 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0–440	440–1,100	1,100–2,200	miles 1¼–2	2–3	3–5	5–10	10 or more
GUYANA																							
ITABRU FALLS		15	90.5	80.2	30.7	63																	
KAMARANG	1625	09	73.2	71.0	25.0	90	1016.0	1.4	5.5	0	2	12	16	1	0	0	0	0	0	0	0	26	5
		15	84.1	74.2	24.5	61	1011.0	5.8	4.5	0	6	14	11	0	0	0	0	0	0	0	0	8	23
LES BEHOLDEN		09	81.4	77.9	30.9	84																	
		15	87.2	81.6	34.3	78																	
MABARUMA	168	09	78.3	76.6	30.4	92	1012.5	2.9	4.0	0	12	9	8	2	0	0	0	0	0	1	2	25	3
		15	83.7	77.9	30.0	76	1009.9	5.4	5.6	0	1	12	17	1	0	0	0	0	0	0	0	10	21
MAHAICONY	6	09	82.3	77.5	30.0	95																	
		15	85.5	77.9	29.2	70																	
MAZARUNI	47	09	78.5	76.5	30.3	91																	
MAZARUNI	47	15	85.4	77.9	29.2	70																	
MON REPOS		09	83.9	77.1	28.7	73																	
		13	87.3	78.0	28.7	65																	
NEW AMSTERDAM	3	09	82.3	78.0	30.6	81																	
		15	87.2	78.7	29.8	68																	
SKELDON FRONT		09	81.2	76.7	29.4	81																	
		15	86.3	77.5	28.2	66																	
TIBOKU SITE		09	78.1	75.9	29.6	90																	
		15	88.7	79.1	29.7	64																	
TIMEHRI APT	100	03	74.3	73.7	28.1	97	1011.1	0.1	4.5	1	6	11	13	0	0	1	0	3	0	2	2	20	3
TIMEHRI APT	100	09	80.1	77.2	30.5	87	1013.3	2.5	5.8	0	3	7	17	4	0	0	0	0	1	0	2	23	5
		15	85.2	77.3	28.7	69	1010.1	5.7	6.1	0	0	6	23	2	0	0	0	0	0	1	0	10	20
		21	77.2	75.5	29.4	92	1011.5	2.0	5.7	0	2	8	20	1	0	0	0	0	0	0	1	12	18
WAUNA		09	78.7	77.2	31.1	93		1.5	4.4	0	0	23	8	0	0	0	0	0	0	1	20	10	0
		15	84.1	78.5	30.8	77		4.0	5.6	0	0	14	17	0	0	0	0	0	0	0	0	3	28

TABLE II SUMMARY OF DAILY OBSERVATIONS OCTOBER 1977

COUNTRY STATION	RAINFALL (inches) TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN .04	.40	1.00	AIR TEMPERATURE °F MEAN MAX A	MEAN MIN B	MEAN ½(A+B)	EXTREMES MAX	MIN	MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH THUNDER	FOG	HAIL	GALE
TRINIDAD																	
CENTENO	7.35	1.44	7	18	6	3	87.4	72.0	79.7	90	69						
PENAL	3.37	1.16	22	11	2	1	88.1	71.6	79.9	91	68						
PIARCO APT	8.80	2.21	5	21	2	1	88.0	73.6	80.8	90	71	70.9	207.4	6	4	0	0
ST. AUGUSTINE UWI	7.77	3.11	16	13	6	1	88.3	72.3	80.3	91	69		207.6	6	0	0	0
TOBAGO																	
CROWN POINT APT	10.19	6.36	18	14	4	1	84.6	73.0	78.8	90	71	73.5	240.3	5	0	0	0
LOUIS D'OR	14.07	3.22	28	24	8	4	86.3	74.9	80.6	88	72		231.5				
GRENADA																	
MIRABEAU	9.36	1.83	28	20	9	2	85.5	74.1	79.8	87	69		179.7				
BARBADOS																	
G. ADAMS APT	10.91	1.68	19	19	8	5	84.7	77.9	81.3	87	74		218.4				
HUSBANDS CMI	10.97	2.38	30	19	9	3	85.3	74.0	79.7	87	72		194.5	4	0	0	0
ST. LUCIA																	
HEWANORRA APT	12.80	2.41	18	24	10	4	85.9	75.9	80.9	88	70						
ROSEAU WINBAN	15.84	3.18	28	22	15	4	86.2	73.8	80.0	89	69		195.1				
VIGIE APT	18.84	4.85	30	22	11	6	86.4	75.0	80.7	89	71						
DOMINICA																	
MELVILLE HALL APT	17.83	5.30	31	23	11	5	85.4	74.2	79.8	88	71		195.2				
ANTIGUA																	
COOLIDGE APT	6.52	1.42	4	16	5	2	85.5	77.2	81.4	87	74						
CAYMAN ISLANDS																	
WEST BAY	13.00	7.56	14	12	5	2	87.3	74.9	81.1	89	71		227.1				

TABLE II SUMMARY OF DAILY OBSERVATIONS OCTOBER 1977

COUNTRY STATION	RAINFALL (inches)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN			MEAN MAX A	MEAN MIN B	MEAN ½(A+B)	EXTREMES				THUNDER	FOG	HAIL	GALE
				.04	.40	1.00				MAX	MIN						
BELIZE																	
BELIZE APT	3.37	1.63	20	11	2	1	86.6	72.2	79.4	89	64		195.7	8	2	0	0
BELMOPAN	4.75	1.16	26	12	4	2	88.9	68.9	78.9	93	61			4	4	0	0
CENTRAL FARM	5.55	1.41	24	14	5	1	88.5	69.6	79.1	93	66		188.8	5	16	0	0
PUNTA GORDA	10.37	3.05	2	11	8	4	81.8	69.6	75.7	83	67		166.6	1	1	0	0
GUYANA																	
DAWA	5.24	1.43	9	8	4	3	88.5	71.7	80.1	91	69						
EBINI	2.83	.68	3	9	3	0	91.6	72.4	82.0	95	71	70.1	188.9	5	31	0	0
FRIENDSHIP	3.12	1.07	13	9	3	1	90.8	71.5	81.2	94	68		236.0				
GEORGETOWN BG	2.75	1.61	9	8	1	1	87.3	75.2	81.3	90	73	71.7	216.4	6	0	0	0
GREAT FALLS	3.63	1.30	9	9	3	1	89.7	72.8	81.3	93	71	71.5		11	10	0	0
ITABRU FALLS	2.67	1.23	15	8	2	1		71.8			69	67.6					
KAMARANG	3.94	1.30	27	11	3	2	86.5	68.7	77.6	90	65	67.5	207.6	5	2	0	0
LES BEHOLDEN							89.5	68.3	78.9	93	64		260.5				
MABARUMA	9.58	2.49	2	19	9	3	88.1	73.0	80.6	93	71			19	0	0	0
MAHAICONY	2.14	.76	19	8	2	0	87.4	75.7	81.6	89	72		220.4	5	0	0	0
MAZARUNI	5.11	1.28	5	10	5	2	87.4	74.3	80.9	90	71		107.4				
MON REPOS	2.09	.55	9	7	2	0	88.2	75.1	81.7	90	73		208.3				
NEW AMSTERDAM	.77	.33	3	6	0	0	89.8	74.0	81.9	91	72		240.6				
PLANTAIN ISLAND	6.01	1.30	19	12	6	1								15	0	0	0
SKELDON FRONT	2.10	.74	26	6	2	0	88.5	70.5	79.5	92	65		241.7				
TIBOKU SITE	3.83	1.89	1	8	2	2	90.0	73.6	81.8	92	70	71.7	203.8	21	1	0	0
TIMEHRI APT	7.63	1.78	5	12	8	2	89.1	72.5	80.8	93	70		201.7	12	7	0	0
WAUNA	9.60	1.12	8	22	9	1	88.3	70.6	79.5	91	68		173.1	14	24	0	0

TABLE III – SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS OCTOBER 1977

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)			SOIL TEMPERATURES °F									TOTAL RADIATION (langleys)		
						At 2 inch depth					At 4 inch depth						
								EXTREMES					EXTREME				
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	MEAN MAX	MEAN MIN	MAX	DATE	MIN	MEAN MAX	MEAN MIN	MAX	MIN	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
TRINIDAD																	
CENTENO	68	130	4.66M	.29	12												
PENAL	45	86															
PIARCO APT	56	81	5.24	.27	12												
ST. AUGUSTINE UWI	30	90	3.87	.18	11												
TOBAGO																	
CROWN POINT APT	70	116															
LOUIS D'OR			5.91	.33	28												
GRENADA																	
MIRABEAU	84	131															
BARBADOS																	
HUSBANDS CMI	109	172	5.50	.32	8										13115	617	121
ST. LUCIA																	
ROSEAU WINBAN	55	86															
CAYMAN ISLANDS																	
WEST BAY	53	174	4.94	.26	8										14296	602	112
BELIZE																	
BELIZE APT	68	176	5.35M	.30	18												
BELMOPAN	34	86															
CENTRAL FARM	18	52															
PUNTA GORDA	25	73	4.46	.40	1												
GUYANA																	
DAWA	67	130	5.86	.28	3												
EBIRI	16	46	6.43	.27	24										13427	552	308
FRIENDSHIP	48	66	5.98	.37	15												
GEORGETOWN BG	69	127	5.46	.28	4										14735	601	286
GREAT FALLS			4.34	.24	31												
ITABRU FALLS	19	34															
KAMARANG	58	90	6.02	.32	5												
LES BEHOLDEN	70	158															
MAHAICONY	131	239	6.94	.31	11												
NEW AMSTERDAM	163	308	7.37	.33	11												
PLANTAIN ISLAND			5.57	.29	15												
TIBOKU SITE	8	15	6.01	.27	18												
TIMEHRI APT	37	78	5.95	.45	5												
WAUNA	37	73	5.29	.24	11												

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS OCTOBER 1977

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
TRINIDAD								
CENTENO	.30	.32	.32	.45	.52	.88	1.44	1.44
PENAL	.28	.44	.52	.59	.73	1.07	1.16	1.16
PIARCO APT	.40	.61	.73	1.02	1.19	1.48	1.97	2.03
ST. AUGUSTINE UWI				2.07	2.87	3.10	3.11	3.11
TOBAGO								
CROWN POINT					2.42	4.60	6.36	6.36
LOUIS D'OR	.80	.96	.99	1.39	1.65	2.19	3.11	3.11
BARBADOS								
HUSBANDS CMI	.32	.52	.56	.74	1.34	1.92	2.38	2.38
CAYMAN ISLANDS								
WEST BAY	.57	.61	.82	1.15	1.89	1.97	3.54	5.79
GUYANA								
APAIKWA	.28	.40	.47	.70	.87	.88	.88	.88
EBINI	.34	.64	.64	.65	.66	.66	.68	.68
FRIENDSHIP	.30	.43	.46	.58	.69	.72	1.05	1.05
GEORGETOWN BG	.53	.82	.95	1.27	1.33	1.33	1.55	1.61
GREAT FALLS	.63	.98	1.00	1.28	1.29	1.30	1.30	1.30
ITABRU FALLS	.45	.62	.63	.94	1.17	1.18	1.23	1.23
KAMARANG	.20	.40	.52	.77	.95	.95	1.25	1.30
MABARUMA	.40	.66	.71	1.38	1.92	2.20	2.49	2.49
MAHAICONY	.21	.36	.51	.67	.76	.76	.76	.76
MARIPA	.28	.44	.60	.84	1.00	1.05	1.19	1.19
MAZARUNI	.32	.64	.72	.88	1.20	1.20	1.20	1.20
NEW AMSTERDAM	.08	.10	.13	.13	.13	.21	.31	.33
PLANTAIN ISLAND	.36	.52	.66	.74	.80	1.00		
ST. FRANCIS MISSION	.22	.42	.56	.67	.70	.70	.87	.87
SKELDON FRONT		.38	.46	.46	.55	.56	.69	.74
TIBOKU SITE	.46	.54	.69	1.04	1.71	1.89	1.89	1.89
TIMEHRI APT	.27	.46	.62	.95	1.48	1.68	1.78	1.78
WARIMIA	.66	.80	1.00	1.18	1.20	1.20	1.20	1.20
WAUNA	.28	.56	.62	.64	.78	.97	1.12	1.12

TABLE V – SUMMARY OF WINDSPEED RECORDS OCTOBER 1977

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
TRINIDAD												
PIARCO APT	09	14	13	14	07	27	1145	13	0	0	0	4.6
TOBAGO												
CROWN POINT APT	07	16	11	14	12	25	1410	13	0	0	0	6.7
BARBADOS												
HUSBANDS CMI	14	14	07	20	14	27	0605	20	0	0	0	6.0
ANTIGUA												
COOLIDGE APT	12	20	11	7	11	37	1015	6	1	0	0	11.0
CAYMAN ISLANDS												
WEST BAY	03	15	14	14	05	31	2400	14	0	0	0	4.5

TABLE VI - SUMMARY OF SUNSHINE RECORDS OCTOBER 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19					NIL	0.1-3.0	3.1-6.0	6.1-9.0	9.1-12.0	MORE THAN 12
TRINIDAD																								
PIARCO APT	0	24	70	79	71	65	64	57	66	61	56	52	5	0	207.4	56	10.4	11	0	4	10	7	10	0
ST. AUGUSTINE UWI	0	16	72	78	72	73	69	62	57	53	54	55	9	0	207.6	56	10.9	11	0	5	8	7	11	0
TOBAGO																								
CROWN POINT APT	0	17	69	86	84	83	87	83	81	69	65	54	22	0	240.3	67	11.1	20	1	1	7	7	15	0
LOUIS D'OR	0	13	63	81	85	80	86	84	73	69	64	47	2	0	231.5	63	10.4	12	0	2	7	10	12	0
GRENADA																								
MIRABEAU	0	2	31	59	69	65	67	73	72	62	51	25	3	0	179.7	49	9.8	21	0	7	6	15	3	0
BARBADOS																								
G. ADAMS APT	0	16	59	71	74	73	67	71	72	71	64	53	14	0	218.4	60	10.6	16	1	5	5	4	16	0
HUSBANDS CMI	0	16	57	66	67	65	57	65	64	57	56	45	13	0	194.5	53	10.7	21	0	10	4	6	11	0
ST. VINCENT																								
CAMDEN PARK	0	6	39	64	78	83	80	71	67	64	64	58	10	0	211.7	58	10.6	20	1	3	7	12	8	0
DOMINICA																								
MELVILLE HALL APT	0	5	49	53	65	69	62	73	69	58	65	49	12	0	195.2	53	10.4	12	0	5	5	13	4	0
CAYMAN ISLANDS																								
WEST BAY	0	8	75	86	76	75	69	72	73	72	68	51	8	0	227.1	62	10.6	10	2	2	5	9	13	0
BELIZE																								
BELIZE APT	0	7	43	62	64	67	69	73	72	64	55	46	10	0	195.7	54	10.2	11	1	2	9	14	5	0
CENTRAL FARM	0	1	34	47	64	73	77	78	72	64	54	38	6	0	188.8	52	10.0	9	0	4	9	14	4	0
PUNTA GORDA	0	7	38	52	60	55	62	54	57	53	49	41	10	0	166.6	46	9.6	10	0	5	13	8	5	0

TABLE VI - SUMMARY OF SUNSHINE RECORDS OCTOBER 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19					NIL	0.1-3.0	3.1-6.0	6.1-9.0	9.1-12.0	MORE THAN 12
GUYANA																								
EBINI	0	8	32	45	58	75	77	65	60	68	57	51	15	0	188.9	51	10.8	7	0	2	13	13	3	0
FRIENDSHIP	0	13	56	70	76	81	83	81	83	80	67	55	17	0	236.0	64	10.6	30	0	2	6	14	9	0
GEORGETOWN BG	0	13	62	68	70	73	77	73	68	63	59	51	21	0	216.4	58	10.8	30	0	6	6	7	12	0
KAIRUNI	0	5	49	61	71	77	74	67	54	46	45	36	7	0	183.6	50	10.6	7	0	2	16	9	4	0
KAMARANG	0	0	18	47	63	77	77	82	86	75	69	64	13	0	207.6	56	9.8	5	0	0	12	16	3	0
LES BEHOLDEN	0	5	34	68	74	90	85	89	89	93	94	77	36	6	260.5	70	11.6	20	0	0	3	14	13	0
MAHAICONY	0	9	57	63	71	80	73	78	78	75	53	54	20	0	220.4	59	11.1	21	0	5	6	8	11	0
MON REPOS	0	7	48	72	75	76	75	75	75	64	57	42	7	0	208.3	56	10.8	24	0	7	5	8	11	0
NEW AMSTERDAM	0	10	61	70	80	80	85	87	88	87	77	56	20	0	240.6	67	11.0	20	0	0	8	10	12	0
SKELDON FRONT	0	9	59	77	95	91	85	76	86	78	66	47	12	0	241.7	65	10.4	11	0	0	5	15	11	0
TIBOKU SITE	0	13	58	74	78	81	76	76	71	61	39	29	3	0	203.8	55	9.1	23	0	2	9	18	2	0
TIMEHRI APT	0	14	61	79	77	66	65	67	54	54	53	51	12	0	201.7	54	10.9	24	0	4	9	10	8	0
WAUNA	0	13	55	66	72	75	76	55	46	47	34	15	5	0	173.1	47	10.0	21	0	6	10	12	3	0

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS NOVEMBER 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eights) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0–440	440–1,100	1,100–2,200	miles 1¼–2	2–3	3–5	5–10	10 or more
TRINIDAD																							
CENTENO	50	08	80.7	77.4	30.6	85																	
PEKAL	25	08	80.0	77.2	30.6	87																	
ST. AUGUSTINE UWI	52	09	82.8	77.4	29.8	78		6.3															
TOBAGO																							
CROWN POINT APT		02	78.2	73.5	24.1	73	1013.3	3.5	4.0	0	8	8	8	1	0	0	0	0	0	0	0	5	20
		08	77.8	75.2	28.7	68	1011.0	4.6	3.5	0	13	4	7	1	0	0	0	0	0	0	0	7	18
		14	84.7	78.5	30.4	75	1011.0	10.1	5.4	0	6	5	18	0	0	0	0	0	0	0	2	1	26
		20	83.6	77.9	30.1	77	1010.8	9.3	5.4	0	1	11	16	0	0	0	0	0	0	0	0	7	21
LOUIS D'OR	40	08	82.7	77.1	29.3	78																	
GRENADA																							
MIRABEAU	450	08	81.4	77.0	29.7	81			6.0	0	0	10	16	4	0								
PEARLS APT	22	08	82.1	77.8	30.7	82	1012.7	5.5	4.7	0	2	18	7	0	0	0	0	0	1	0	1	10	15
		14	83.2	78.6	31.4	81	1011.1	6.0	5.1	0	2	10	10	1	0	0	0	1	0	0	1	6	15
BARBADOS																							
G. ADAMS APT	183	02	77.9	76.3	29.3	81	1011.7	8.1	4.4	0	5	18	7	0	0	0	0	0	0	0	0	0	30
		08	81.8	76.9	29.3	79	1013.7	9.6	5.2	0	2	15	13	0	0	0	0	0	0	0	0	0	30
		14	84.2	77.6	29.4	74	1011.6	10.6	5.0	0	4	13	13	0	0	0	0	0	0	0	0	0	30
		20	80.7	76.8	29.7	83	1013.0	7.9	4.6	0	3	16	11	0	0	0	0	0	0	0	0	0	30
HUSBANDS CMI	370	08	79.5	76.1	29.1	85	1013.9	8.8	4.7	0	3	17	10	0	0	0	0	0	0	0	0	13	17
ST. VINCENT																							
CAMDEN PARK		08	82.8	76.3	27.9	73																	
ST. LUCIA																							
HEWANORRA APT	13	08	81.8	76.5	28.7	77	1012.8	9.9	5.7	0	1	10	19	0	0	0	0	0	0	0	0	4	26
		14	84.5	77.8	29.6	73	1011.3	10.2	4.9	0	5	9	16	0	0	0	0	0	0	0	1	2	27
ROSEAU WINBAN		09	82.7	76.9	28.9	76																	
VIGIE APT		08	80.8	75.8	28.3	79	1013.0	4.3	4.0	0	10	10	10	0	0	0	0	0	0	0	0	0	30
		14	85.0	77.0	28.1	68	1011.2	9.3	4.8	0	4	13	13	0	0	0	0	0	0	0	0	1	29
DOMINICA																							
MELVILLE APT		08	78.3	74.8	28.0	85	1013.2	5.0	4.6	0	6	12	11	0	0	0	0	0	0	0	0	4	25
		14	80.4	74.5	28.2	80	1011.2	9.7	5.1	0	4	13	10	3	0	0	0	0	0	0	1	3	26

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS NOVEMBER 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0-440	440-1,100	1,100-2,200	miles 1¼-2	2-3	3-5	5-10	10 or more
ANTIGUA																							
COOLIDGE APT	26	02	76.5	73.8	27.2	87	1012.7	6.7	3.6	0	15	6	7	2	0	0	0	0	0	0	0	0	30
		08	79.2	75.6	28.6	84	1014.2	8.7	4.5	0	8	9	12	1	0	0	0	0	0	0	0	1	29
		14	82.3	76.2	28.2	75	1012.7	10.6	5.4	0	2	10	15	3	0	0	0	0	0	0	0	0	30
		20	77.9	74.7	27.9	86	1013.9	7.1	4.1	0	9	10	8	3	0	0	0	0	0	0	0	1	29
ST. KITTS/NEVIS																							
GOLDEN ROCK APT		08	79.2	75.4	28.3	83	1013.2	7.5	5.1	0	3	14	11	2	0	0	0	0	0	0	0	1	29
		14	81.9	76.0	28.1	76	1012.1	9.4	5.4	0	2	13	13	2	0	0	0	0	0	0	0	0	30
CAYMAN ISLANDS																							
WEST BAY		09	83.4	76.5	28.2	72		9.9	3.1	0	16	8	5	1	0								
BELIZE																							
BELIZE APT	17	00	73.9	72.9	27.3	95	1013.8	2.4	3.6	4	7	8	6	3	0	0	0	0	0	0	0	12	16
		06	71.7	71.1	25.9	98	1013.9	2.1	5.8	0	3	8	11	6	2	0	3	0	0	0	1	15	11
		12	81.5	75.1	27.1	74	1014.1	7.5	6.0	0	1	7	21	1	0	0	0	0	0	0	0	10	20
		18	77.0	74.3	27.8	88	1012.9	3.2	5.1	0	5	9	15	1	0	0	0	0	0	0	0	10	20
GUYANA																							
DAWA		09	85.3	78.4	30.1	73																	
		15	79.8	77.0	30.5	88																	
EBINI	94	09	78.8	75.6	28.9	86	1013.0	3.2	5.4	0	1	13	15	1	0	0	0	0	0	0	2	27	1
		15	89.6	76.3	25.0	53	1009.1	6.0	5.6	0	0	18	11	1	0	0	0	0	0	0	0	28	2
FRIENDSHIP		09	79.1	74.5	29.9	75																	
FRIENDSHIP		15	87.6	77.7	28.0	63																	
GEORGETOWN BG	7	09	82.2	77.3	29.9	80	1013.3	5.5	5.9	0	0	9	19	2	0	0	0	0	0	0	1	21	8
		15	85.3	77.5	28.8	69	1011.5	8.3	5.7	0	1	11	16	2	0	0	0	0	0	0	0	22	8
GREAT FALLS		09	77.0	75.7	29.6	93																	
		15	88.3	79.4	30.6	67																	

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS NOVEMBER 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eights): MEAN AMT	Number of Observations: 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards: 0-440	440-1,100	1,100-2,200	miles: 1/4-2	2-3	3-5	5-10	10 or more
GUYANA																							
ITABRU FALLS		09	77.9	75.8	29.2	90																	
		15	90.1	80.1	30.7	64																	
KAMARANG	1625	09	72.5	70.6	24.7	90	1015.9	1.2	6.3	0	0	7	20	1	2	0	3	0	0	0	0	19	7
		15	82.8	74.2	25.1	66	1010.8	5.7	5.2	0	4	12	13	1	0	0	0	0	0	0	2	8	20
LES BEHOLDEN		09	80.9	76.8	29.7	83																	
LES BEHOLDEN		15	85.8	79.6	31.6	75																	
MABARUMA	168	09	77.7	76.3	30.3	94	1012.0	3.3	4.4	0	11	6	12	1	0	0	1	0	0	0	3	21	5
		15	83.8	77.8	29.8	75	1009.6	6.6	5.5	0	6	4	20	0	0	0	0	0	0	0	3	9	18
MAHAICONY	6	09	83.3	77.4	29.4	76																	
		15	85.8	77.8	28.9	68																	
MAZARUNI	47	09	79.1	76.5	29.9	88																	
		15	85.1	77.1	28.2	68																	
MON REPOS		09	83.2	76.2	27.7	71																	
		15	87.3	77.3	26.7	60																	
NEW AMSTERDAM	3	09	82.6	77.4	29.8	78																	
NEW AMSTERDAM	3	15	87.5	78.7	29.6	67																	
PORT KAITUMA		09	77.0	75.6	29.5	93																	
		15	86.2	78.2	29.4	69																	
SKELDON FRONT		09	81.6	76.5	28.9	79																	
		15	85.0	77.3	28.6	70																	
WAUNA		09	78.6	76.9	30.8	92		1.6	4.3	0	2	19	9	0	0	0	1	0	0	1	21	6	1
		15	84.1	77.7	29.6	74		5.0	5.6	0	0	14	16	0	0	0	0	0	0	0	0	5	25

TABLE II SUMMARY OF DAILY OBSERVATIONS NOVEMBER 1977

COUNTRY STATION	RAINFALL (inches)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN			MEAN MAX A	MEAN MIN B	MEAN ½(A+B)	EXTREMES				THUNDER	FOG	HAIL	GALE
				.04	.40	1.00				MAX	MIN						
TRINIDAD																	
CENTENO	2.00	.89	23	6	2	0	86.8	71.4	79.1	90	65						
PENAL	3.05	.64	17	10	3	0	87.9	69.4	78.7	95	66						
ST. AUGUSTINE UWI	2.42	.95	23	9	2	0	88.1	70.5	79.3	91	65		219.3				
TOBAGO																	
CROWN POINT APT	5.74	2.88	8	14	3	1	78.2	68.1	73.2	89	72	61.4	238.0	2	0	0	0
LOUIS D'OR	6.62	1.13	20	21	6	1	86.2	74.5	80.4	88	72		218.9				
GRENADA																	
MIRABEAU	11.09	1.77	20	18	7	4	84.7	74.1	79.4	87	72		115.5				
PEARLS APT	10.48	2.80	5	16	9	4	83.4	74.5	79.0	88	73						
BARBADOS																	
G. ADAMS APT	3.73	.95	26	14	3	0	85.7	77.5	81.6	87	74		260.9				
HUSBANDS CMI	3.52	1.08	26	14	2	1	85.6	73.5	79.5	89	71		252.7	1	0	0	0
ST. VINCENT																	
CAMDEN PARK	12.17	3.60	19	21	9	4	86.2			91			251.0				
ST. LUCIA																	
HEWANORRA APT	9.47	3.06	13	16	5	2		75.4			73						
ROSEAU WINBAN	5.72	1.17	28	16	5	2	86.2	73.5	79.9	87	71		238.2				
VIGIE APT	4.88	.86	7	16	4	0	86.7	74.0	80.4	88	71			2	0	0	0
DOMINICA																	
MELVILLE HALL APT	17.30	3.14	2	21	12	5	85.5	72.8	79.2	87	70		176.8				
ANTIGUA																	
COOLIDGE APT	9.36	2.48	26	16	6	4	84.1	74.1	79.1	87	69						
CAYMAN ISLANDS																	
WEST BAY	4.98	3.96	12	5	1	1	86.5	75.8	81.2	89	70		217.3				

TABLE II SUMMARY OF DAILY OBSERVATIONS NOVEMBER 1977

COUNTRY STATION	RAINFALL (inches)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH, OR MORE THAN			MEAN MAX A	MEAN MIN B	MEAN $\frac{1}{2}(A+B)$	EXTREMES				THUNDER	FOG	HAIL	GALE
				.04	.40	1.00				MAX	MIN						
BELIZE																	
BELIZE APT	2.02	.38	2	13	0	0	84.5	70.0	77.3	90	60		147.9	4	4	0	0
BELMOPAN	4.95	1.42	29	12	4	2	85.8	65.9	75.9	91	62			1	4	0	0
CENTRAL FARM	5.36	1.19	10	12	5	1	86.1	67.7	76.9	91	63		141.2	4	23	0	0
PUNTA GORDA	8.99	2.36	3	18	9	2	81.9	68.3	75.1	89	59		163.4	1	3	0	0
GUYANA																	
DAWA	7.51	3.50	22	16	4	1	87.8	70.9	79.4	90	69						
EBINI	1.53	.78	19	7	1	0	93.2	72.1	82.7	97	67	70.6	197.6	4	30	0	0
FRIENDSHIP	2.64	2.12	22	5	1	1	89.8	71.1	80.5	94	68		247.6				
GEORGETOWN BG	4.67	2.60	22	7	3	1	88.2	76.1	82.2	91	73	72.8	243.2	2	0	0	0
GREAT FALLS	2.18	.35	25	11	0	0	90.1	72.1	81.1	93	69	73.3		6	14	0	0
ITABRU FALLS	2.17	.78	21	7	2	0		71.8			70	68.2					
KAMARANG	3.67	.62	7	17	3	0	85.1	67.6	76.4	89	63	63.5	181.0	6	16	0	0
LES BEHOLDEN							90.4	69.8	80.1	92	68		261.7				
MABARUMA	7.25	2.32	22	18	5	2	87.6	72.6	80.1	92	69						
MAHAICONY	1.68	.83	25	6	2	0	87.4	76.9	82.2	91	73						
MAZARUNI	5.92	1.20	9	14	7	2	87.9	74.1	81.0	91	71		149.2				
MON REPOS	3.00	1.20	23	6	2	2	88.4	74.6	81.5	91	70		238.5				
NEW AMSTERDAM	.60	.17	21	6	0	0	86.7	74.9	80.8	93	72						
PLANTAIN ISLAND	2.51	.72	7	12	1	0								18	0	0	0
PORT KAITUMA	4.19	1.10	22	16	4	1	90.0	70.6	80.3	94	68			6	0	0	0
SKELDON FRONT	2.22	.95	22	7	1	0	88.1	70.4	79.3	89	67		230.3				
WAUNA	6.78	.97	7	22	6	0	87.7	69.9	78.8	92	66		175.2	9	29	0	0

TABLE III – SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS NOVEMBER 1977

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)			SOIL TEMPERATURES °F									TOTAL RADIATION (langleys)		
						At 2 inch depth					At 4 inch depth						
								EXTREMES					EXTREME				
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	MEAN MAX	MEAN MIN	MAX	DATE	MIN	MEAN MAX	MEAN MIN	MAX	MIN	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
TRINIDAD																	
CENTENO	65	100															
PENAL	16	66															
ST. AUGUSTINE UWI	32	86	3.69	.18	2												
TOBAGO																	
CROWN POINT APT	72	148	7.56	.33	29												
LOUIS D'OR	3	10	5.24	.31	28												
BARBADOS																	
HUSBANDS CMI	144	159	5.03	.29	19	86.1	76.1	89	5	74	85.4	76.8	89	75	14420	567	141
ST. VINCENT																	
CAMDEN PARK															12905	592	178
ST. LUCIA																	
ROSEAU WINBAN	53	106	4.20M	.28	19												
CAYMAN ISLAND																	
WEST BAY	110	200	5.20	.27	6						92.2	86.1	99	82	13129	569	270
BELIZE																	
BELIZE APT	69	132	3.24	.17	8												
BELMOPAN	39	91															
CENTRAL FARM	7	24															
PUNTA GORDA	24	42	3.89	.30	2												
GUYANA																	
DAWA	76	153	5.44	.33	4												
EBINI	38	61	6.67	.29	4										12517	509	292
FRIENDSHIP	60	77	6.35	.31	5												
GEORGETOWN BG	88	131	5.75	.32	9										12882	551	267
ITABRU FALLS	25	33															
KAMARANG	54	87	5.06	.29	1												
LES BEHOLDEN	137	176															
MAHAICONY	185	275	8.50	.35	3												
NEW AMSTERDAM	213	344	7.78	.36	20												
PLANTAIN ISLAND			4.58	.26	10												
WAUNA	45	73	5.26	.27	4												

TABLE IV – SUMMARY OF RAINFALL INTENSITY RECORDS NOVEMBER 1977

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
TRINIDAD								
CENTENO	.20	.32	.54	.54	.54	.81	.82	.82
PENAL	.34	.56	.60	.61	.61	.62	.64	.64
ST. AUGUSTINE UWI		.40	.60	.70	.85	.91	.95	.95
TOBAGO								
CROWN POINT APT	.17	.25	.29	.47	.74	.82	1.93	2.84
LOUIS D'OR	.26	.48	.48	.48	.49	.62	.62	1.11
BARBADOS								
HUSBANDS CMI	.24	.34	.34	.35	.48	.48	.79	.82
CAYMAN ISLANDS								
WEST BAY	.30	.40	.53	.87	1.12	1.64	3.57	3.96
GUYANA								
APAIKWA	.23	.27	.27	.35	.41	.44	.50	.53
DAWA	.40	.44	.67	1.02	1.02	1.55	2.63	3.49
EBINI	.16	.30	.38	.45	.53	.78	.78	.78
FRIENDSHIP	.24	.36	.42	.60	1.04	1.49	1.81	2.12
GEORGETOWN BG	.30	.60	.68	.82	1.35	1.46	2.53	2.60
GREAT FALLS	.16	.22	.22	.22	.24	.27	.34	.35
ITABRU FALLS	.26	.36	.54	.59	.68	.78	.78	.78
KARAMANG			.40	.52	.52	.52	.61	.61
MABARUMA	.28	.56	.88	.92	1.12	1.29	1.32	2.14
MACKENZIE	.24	.30	.36	.50	.50	.61	.90	.93
MARIPA	.77	1.08	1.11	1.11	1.11	1.12	1.12	1.12
MAZARUNI	.16	.32	.44	.86	1.10	1.17	1.20	1.20
NEW AMSTERDAM	.08	.09	.09	.09	.09	.17	.17	.17
PLANTAIN ISLAND	.24	.40	.44	.52	.54	.72	.72	.72
SKELDON FRONT	.16	.24	.32	.48	.57	.65	.69	.95
WARIMIA	.30	.42	.59	.66	.71	.72	1.10	1.10
WAUNA	.28	.48	.60	.70	.81	.93	.97	.97

TABLE V – SUMMARY OF WINDSPEED RECORDS NOVEMBER 1977

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
TOBAGO												
CROWN POINT APT	12	15	08	9	06	24	0325	9	0	0	0	5.6
BARBADOS												
HUSBANDS CMI	07	17	10	29	07	29	0925	29	0	0	0	7.9
ANTIGUA												
COOLIDGE APT	09	25	10	24	09	33	0955	24	0	0	0	8.4
CAYMAN ISLANDS												
WEST BAY	01	17	02	12	06	34	2305	12	1	0	0	8.1

TABLE VI - SUMMARY OF SUNSHINE RECORDS NOVEMBER 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19					NIL	0.1-3.0	3.1-6.0	6.1-9.0	9.1-12.0	MORE THAN 12
TRINIDAD																								
ST. AUGUSTINE UWI	0	7	67	87	86	82	79	75	73	69	59	47	1	0	219.3	63	9.8	7	0	1	7	13	9	0
TOBAGO																								
CROWN POINT APT	0	17	66	82	81	78	76	77	76	77	74	69	19	0	238.0	68	11.0	21	0	4	5	5	16	0
LOUIS D'OR	0	10	66	75	80	80	79	80	81	73	65	39	1	0	218.9	63	9.8	30	0	3	6	13	8	0
GRENADA																								
MIRABEAU	0	0	23	51	68	67	61	52	34	19	6	4	0	0	115.5	33	7.1	1	0	11	15	4	0	0
BARBADOS																								
G. ADAMS APT	0	13	70	81	87	93	91	90	93	89	78	73	13	0	260.9	75	10.7	30	0	1	3	7	19	0
HUSBANDS CMI	0	21	74	78	82	89	88	87	85	78	75	69	18	0	252.7	73	10.6	10	0	1	3	10	16	0
ST. VINCENT																								
CAMDEN PARK	0	1	52	79	83	81	90	95	92	87	88	75	11	0	251.0	72	10.2	18	0	1	1	15	13	0
DOMINICA																								
MELVILLE HALL APT	0	1	41	58	62	68	77	76	64	53	47	37	4	0	176.8	52	9.8	11	0	5	9	10	6	0
CAYMAN ISLANDS																								
WEST BAY	0	3	61	81	86	86	83	81	70	72	59	38	3	0	217.3	64	10.2	5	0	3	4	14	9	0

TABLE VI – SUMMARY OF SUNSHINE RECORDS NOVEMBER 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19					NIL	0.1–3.0	3.1–6.0	6.1–9.0	9.1–12.0	MORE THAN 12
BELIZE																								
BELIZE APT	0	4	27	39	46	56	61	56	56	61	44	33	9	0	147.9	44	9.0	6	0	7	8	13	0	0
CENTRAL FARM	0	0	6	30	42	54	56	56	66	60	57	42	0	0	141.2	42	8.1	28	2	4	13	11	0	0
PUNTA GORDA	0	4	34	46	58	54	63	61	60	60	51	44	10	0	163.4	48	10.7	1	1	9	5	9	6	0
GUYANA																								
EBINI	0	8	39	56	83	90	89	74	60	48	45	43	24	0	197.6	56	10.1	15	0	1	9	19	1	0
FRIENDSHIP	0	16	75	78	82	89	94	81	81	73	68	68	20	0	247.6	70	10.9	16	0	0	5	13	12	0
GEORGETOWN BG	0	9	70	73	87	87	90	91	89	75	64	60	17	0	243.2	69	10.8	1	0	2	1	15	12	0
KAIRUNI	0	5	58	70	80	81	78	79	75	61	53	52	13	0	211.4	60	10.1	11	0	2	7	15	6	0
KAMARANG	0	3	17	40	55	64	61	68	68	69	76	70	12	0	181.1	51	9.1	1	0	3	10	16	1	0
LES BEHOLDEN	0	1	23	70	79	89	94	94	96	90	81	79	63	15	261.7	73	11.0	1	0	0	3	9	15	0
MAZARUNI	0	1	27	45	61	65	65	61	58	49	41	24	1	0	149.2	42	8.1	17	0	6	13	11	0	0
MON REPOS	0	10	57	75	83	86	90	92	90	78	73	52	9	0	238.5	67	10.8	2	0	2	2	14	12	0
SKELDON FRONT	0	8	50	66	83	84	86	81	81	80	77	64	7	0	230.3	64	10.4	12	0	1	5	15	9	0
TIMEHRI APT	0	24	78	84	84	81	83	81	74	74	64	58	12	0	239.0	67	10.6	17	0	0	7	8	15	0
WAUNA	0	6	60	72	75	74	68	67	51	48	35	23	7	0	175.2	49	9.5	27	0	3	12	12	3	0

TABLE 1 SUMMARY OF OBSERVATIONS AT FIXED HOURS DECEMBER 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths): MEAN AMT	Number of Observations: 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards: 0-440	440-1,100	1,100-2,200	miles: 1/4-2	2-3	3-5	5-10	10 or more
TRINIDAD																							
CENTENO	50	08	77.7	74.9	28.2	96																	
PENAL	25	08	76.8	74.4	27.9	89																	
PIARCO APT	41	02	72.7	71.4	25.7	94	1013.3	2.1	3.8	1	9	12	9	0	0	0	0	0	0	0	1	14	16
		08	75.9	73.4	27.0	89	1015.1	3.4	4.6	0	7	11	13	0	0	0	0	0	0	1	2	13	15
		14	84.4	75.6	26.3	65	1013.0	11.4	6.0	0	0	9	22	0	0	0	0	0	0	0	0	11	20
PIARCO APT	41	20	75.7	73.2	26.8	88	1014.0	4.5	3.6	0	11	14	6	0	0	0	0	0	0	0	2	13	16
ST. AUGUSTINE	52	09	81.4	74.9	26.9	73		10.9															
TOBAGO																							
CROWN POINT APT		08	80.1	74.9	27.3	78	1015.0	6.9	4.5	0	9	10	12	0	0	0	0	0	0	0	0	4	27
		14	83.9	74.8	27.8	70	1013.0	10.7	4.9	0	5	11	15	0	0	0	0	0	0	0	0	4	27
		20	74.3	70.8	25.5	88	1014.0	4.9	3.6	0	10	11	7	0	0	0	0	0	0	0	0	4	24
LOUIS D'OR	40	08	81.0	74.2	25.9	60		0.0															
GRENADA																							
MIRABEAU	450	08	79.3	75.0	27.7	60			5.2	0	1	10	14	4	0								
BARBADOS																							
G. ADAMS APT	183	02	78.3	73.4	25.9	78	1013.9	9.9	3.6	0	12	13	6	0	0	0	0	0	0	0	0	0	31
		08	79.8	73.8	25.7	74	1015.1	12.5	4.2	0	5	18	8	0	0	0	0	0	0	0	0	0	31
		14	82.5	74.9	26.0	69	1013.8	12.6	4.3	0	6	15	10	0	0	0	0	0	0	0	0	0	31
		20	79.4	73.7	25.8	76	1015.0	9.9	3.7	0	8	18	5	0	0	0	0	0	0	0	0	0	31
HUSBANDS CMI	370	08	77.5	72.8	25.5	79	1016.0	9.6	3.9	0	10	13	8	0	0	0	0	0	0	0	0	8	23
ST. LUCIA																							
HEWANORRA APT	13	08	80.1	73.8	25.7	73	1015.2	12.7	4.6	0	6	12	13	0	0	0	0	0	0	0	0	2	29
		14	83.6	75.5	26.5	67	1013.8	13.8	4.0	0	12	8	11	0	0	0	0	0	0	0	0	0	31
ROSEAU WINBAN		09	80.5	74.3	26.0	73																	
VIGIE APT		08	78.8	72.9	25.1	74	1015.5	6.9	3.4	0	12	15	4	0	0	0	0	0	0	0	0	1	30
		14	83.0	74.4	25.2	65	1013.6	11.2	4.9	0	5	12	14	0	0	0	0	0	0	0	0	0	31

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS DECEMBER 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths): MEAN AMT	Number of Observations: 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards: 0-440	440-1,100	1,100-2,200	miles: 1¼-2	2-3	3-5	5-10	10 or more
DOMINICA																							
MELVILLE HALL APT		08	78.3	73.5	26.1	79	1015.8	11.9	4.8	0	2	18	9	1	0	0	0	0	0	0	1	8	21
		14	79.2	73.0	26.2	76	1014.0	12.9	4.5	0	10	9	12	0	0	0	0	0	0	0	0	2	29
ANTIGUA																							
COOLIDGE APT	26	02	76.1	72.3	25.4	83	1015.7	10.7	3.1	0	14	13	4	0	0	0	0	0	0	0	0	0	31
		08	77.7	73.4	26.2	81	1017.0	10.9	4.3	0	8	13	10	0	0	0	0	0	0	0	0	0	31
		20	77.4	72.9	25.6	80	1016.5	10.9	3.1	0	13	14	4	0	0	0	0	0	0	0	0	0	31
ST. KITTS/NEVIS																							
GOLDEN ROCK APT		08	77.5	73.2	26.0	81	1016.0	10.7	4.7	0	3	16	12	0	0	0	0	0	0	0	0	0	31
		14	81.1	74.6	26.4	73	1014.8	12.3	4.1	0	6	16	9	0	0	0	0	0	0	0	0	0	31
CAYMAN ISLANDS																							
WEST BAY		09	80.9	74.8	26.8	74		8.0	3.4	0	14	11	2	4	0								
BELIZE																							
BELIZE APT	17	00	72.4	71.7	26.5	97	1015.3	2.3	4.1	2	11	4	6	6	0	0	0	0	0	0	0	8	21
		06	70.9	70.4	25.4	98	1014.5	2.0	5.9	0	5	6	9	7	4	0	5	1	0	0	4	10	11
		12	79.6	74.5	27.1	79	1015.0	6.6	6.2	0	1	6	19	5	0	0	0	0	0	1	1	9	20
		18	75.5	73.2	27.2	90	1013.9	3.4	4.7	0	6	13	7	4	0	0	0	0	0	0	1	6	23

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS DECEMBER 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths): MEAN AMT	Number of Observations: 0	1, 2	3-5	6,7	8	9	VISIBILITY (No of Observations) yards: 0—440	440—1,100	1,100—2,200	miles: 1/4—2	2—3	3—5	5—10	10 or more
GUYANA																							
FRIENDSHIP		09	76.4	74.4	28.1	91																	
		15	84.9	76.0	26.8	65																	
GEORGETOWN BG		09	80.4	75.7	28.3	80	1014.4	6.9	5.5	0	0	15	15	1	0	0	0	0	0	0	0	22	9
		15	82.1	75.9	27.8	74	1013.6	8.3	5.2	0	3	15	13	0	0	0	0	0	0	0	0	18	13
GREAT FALLS		09	73.8	73.0	27.3	96																	
GREAT FALLS		15	86.4	79.5	31.4	72																	
ITABRU FALLS		09	75.9	74.3	28.2	92																	
		15	86.7	79.4	31.0	71																	
LES BEHOLDEN		09	79.2	76.5	29.8	88																	
		15	84.5	79.3	31.8	79																	
MABARUMA	168	09	76.2	74.2	27.9	91	1013.7	3.2	3.3	0	16	8	7	0	0	0	0	0	0	0	1	18	12
		15	84.3	76.3	27.3	68	1011.7	7.0	3.9	0	8	16	7	0	0	0	0	0	0	0	0	9	22
MAHAICONY	6	09	79.5	74.8	27.4	80																	
		15	82.5	76.1	27.9	74																	
MAZARUNI	47	09	75.7	73.8	27.7	91																	
MAZARUNI	47	15	84.0	76.1	27.2	68																	
MC. NABB		15	83.7	77.2	29.1	74																	
MON REPOS		09	81.1	75.8	28.0	77																	
		15	84.0	75.7	26.6	67																	
NEW AMSTERDAM	3	09	79.8	75.9	28.8	83																	
NEW AMSTERDAM	3	15	82.5	77.1	29.4	78																	
SKELDON FRONT		09	79.5	75.1	27.8	81																	

TABLE II SUMMARY OF DAILY OBSERVATIONS DECEMBER 1977

COUNTRY STATION	RAINFALL (inches)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN .04	.40	1.00	MEAN MAX A	MEAN MIN B	MEAN $\frac{1}{2}$(A+B)	EXTREMES MAX	MIN			THUNDER	FOG	HAIL	GALE
TRINIDAD																	
CENTENO	2.82	.50	25	14	4	0	84.7	67.7	76.2	87	60						
PENAL	2.16	.54	2	8	2	0	86.1	66.2	76.2	88	63						
PIARCO APT	2.65	.50	25	14	1	0	86.3	70.4	78.4	88	64	67.6	263.0	0	7	0	0
ST. AUGUSTINE UWI	1.06	.26	3	10	0	0	87.1	68.0	77.6	89	61		236.9				
TOBAGO																	
CROWN POINT APT	3.53	1.22	3	12	2	1	85.4	73.8	79.6	87	70	64.5	246.9	20	0	0	0
LOUIS D'OR	4.08	.92	3	17	3	0	84.9	73.6	79.3	86	67		259.8				
GRENADA																	
MIRABEAU	7.73	1.61	14	15	8	2	83.2	71.6	77.4	86	68		150.2				
BARBADOS																	
G. ADAMS APT	.94	.19	14	10	0	0	84.2	76.0	80.1	86	71		285.4				
HUSBANDS CMI	1.45	.33	30	10	0	0	84.2	71.6	77.9	85	68		284.1				
ST. LUCIA																	
HEWANORRA APT	2.11	.81	27	14	1	0	85.3	74.3	79.8	87	71						
ROSEAU WINBAN	3.41	.53	15	17	1	0	84.0	71.5	77.7	85	66		253.4				
VIGIE APT	3.31	.48	15	18	3	0	84.9	73.0	79.0	86	69						
DOMINICA																	
MELVILLE HALL APT	4.34	.78	12	22	3	0	83.7	72.7	78.2	85	68		193.5				
ANTIGUA																	
COOLIDGE APT	2.09	.46	4	14	1	0	83.4	73.8	78.6	84	70						
CAYMAN ISLANDS																	
WEST BAY	6.06	1.67	26	11	5	3	84.3	73.8	79.1	88	69		203.3				

TABLE II SUMMARY OF DAILY OBSERVATIONS DECEMBER 1977

COUNTRY STATION	RAINFALL (inches)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN			MEAN MAX A	MEAN MIN B	MEAN $\frac{1}{2}$(A+B)	EXTREMES				THUNDER	FOG	HAIL	GALE
				.04	.40	1.00				MAX	MIN						
BELIZE																	
BELIZE APT	16.31	3.98	7	17	8	4	82.4	68.9	75.6	88	58		148.5	7	6	0	0
CENTRAL FARM	11.78	2.51	21	17	8	5	83.3	66.8	75.1	91	57		146.5	2	22	0	0
PUNTA GORDA	13.21	2.80	9	18	12	5	81.0	67.6	74.3	88	59		169.7	1	0	0	0
GUYANA																	
EBINI	6.09	1.82	23	14	5	2							160.7	2	0	0	0
FRIENDSHIP	7.73	2.67	23	14	5	3	86.6	69.6	78.1	89	64		223.0				
GEORGETOWN BG	7.25	1.94	24	11	4	4	84.8	74.2	79.5	87	70	71.3	240.6				
GREAT FALLS	8.27	1.85	23	15	5	4	87.5	70.1	78.9	90	67	69.2					
ITABRU FALLS	6.40	1.17	2	16	6	2	89.7	71.1	80.4	93	66	68.5					
LES BEHOLDEN							88.9	69.1	79.0	94	64		177.6				
MABARUMA	1.57	.51	11	13	1	0	85.9	71.4	78.7	87	68			0	5	0	0
MAHAICONY	7.05	1.94	23	11	5	2	85.9	74.2	80.0	89	72						
MAZARUNI	5.45	1.08	21	12	5	1	85.0	71.8	78.4	87	68		152.1				
MC. NABB							84.8	68.9	76.8	88	68						
MON REPOS	5.53	1.66	23	11	4	3	85.1	74.5	79.8	87	73		235.4				
NEW AMSTERDAM	9.07	1.57	4	14	7	4	79.3	66.3	72.8	89	68						
PLANTAIN ISLAND	6.57	1.42	23	13	7	1								7	0	0	0
PORT KAITUMA	1.18	.40	6	7	1	0											
SKELDON FRONT	8.01	2.13	23	11	5	4	84.2	69.9	77.1	86	67		206.3				

TABLE III—SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS DECEMBER 1977

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)			SOIL TEMPERATURES °F									TOTAL RADIATION (langleys)		
						At 2 inch depth					At 4 inch depth						
								EXTREMES					EXTREME				
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	MEAN MAX	MEAN MIN	MAX	DATE	MIN	MEAN MAX	MEAN MIN	MAX	MIN	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
TRINIDAD																	
CENTENO	70	110	4.71	.32	21												
PENAL	58	82															
PIARCO APT	64	101	6.07	.36	16												
ST. AUGUSTINE UWI	58	93	4.54	.20	15												
TOBAGO																	
CROWN POINT APT	73	121	7.00	.40	1												
LOUIS D'OR	4	11	5.82	.45	3												
GRENADA																	
MIRABEAU	105	149															
BARBADOS																	
HUSBANDS CMI	112	158	5.71	.33	28										15361	567	389
ST. LUCIA																	
ROSEAU WINBAN	69	101	4.25	.26	6												
CAYMAN ISLANDS																	
WEST BAY	95	189	4.62	.21	10										11735	497	175
BELIZE																	
BELIZE APT	61	131															
CENTRAL FARM	12	33															
PUNTA GORDA	21	36															
GUYANA																	
FRIENDSHIP	53	121															
GEORGETOWN BG	107	157													12833	528	220
ITABRU FALLS	21	37															
LES BEHOLDEN	149	221															
MAHAICONY	117	247															
MC. NABB	74	157															
NEW AMSTERDAM	194	334															

TABLE IV – SUMMARY OF RAINFALL INTENSITY RECORDS DECEMBER 1977

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
TRINIDAD								
CENTENO	.28	.44	.46	.46	.46	.50	.50	.50
PENAL	.14	.20	.24	.24	.24	.30	.36	.38
PIARCO APT	.15	.28	.28	.28	.50	.50	.50	.50
ST. AUGUSTINE UWI	.07	.07	.07	.07	.08	.08	.20	.26
TOBAGO								
LOUIS D'OR	.28	.32	.36	.36	.36	.57	.85	.92
BARBADOS								
G. ADAMS APT	.04	.07	.08	.15	.15	.15	.17	.17
HUSBANDS CMI	.07	.11	.11	.17	.23	.23	.28	.28
CAYMAN ISLANDS								
WEST BAY	.29	.45	.61	.84	.92	1.35	1.66	1.67
GUYANA								
APAIKWA	.38	.58	.60	.60	.60	.64	.88	1.05
DAWA	.24	.36	.43	.52	.55	.73	.76	.76
EBINI	.30	.54	.66	.80	.84	.85	1.34	1.82
FRIENDSHIP							1.94	2.54
GEORGETOWN BG			.52	.75	1.23	1.94	1.94	1.94
GREAT FALLS	.40	.60	.68	.70	.75	1.49	1.56	1.69
MABARUMA	.14	.20	.24	.24	.24	.30	.49	.49
MCKENZIE	.20	.31	.35	.63	.71	.79	1.03	1.24
MAHAICONY	.21	.36	.46	.62	.83	.95	1.36	1.74
MAZARUNI	.12	.24	.28	.38	.46	.47	1.04	1.08
NEW AMSTERDAM	.26	.34	.40	.57	.65	.78	1.40	1.57
ST. FRANCIS MISSION	.28	.38	.44	.58	.90	1.18	1.40	1.40
SKELDON FRONT	.25	.35	.45	.67	.89	1.54	1.60	2.06
TIMEHRI APT						.94	1.38	1.39

TABLE V – SUMMARY OF WINDSPEED RECORDS DECEMBER 1977

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
TRINIDAD												
PIARCO APT	12	19	11	9	09	32	0930	16	0	0	0	6.3
TOBAGO												
CROWN POINT APT	07	14	13	6	08	21	1115	7	0	0	0	6.8
BARBADOS												
HUSBANDS CMI	11	17	11	6	10	29	0935	2	0	0	0	9.0
ANTIGUA												
COOLIDGE APT	09	18	09	5	09	31	0120	2	0	0	0	11.6
CAYMAN ISLANDS												
WEST BAY	02	19	05	22	02	32	0500	22	0	0	0	7.5

TABLE VI - SUMMARY OF SUNSHINE RECORDS DECEMBER 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19					NIL	0.1-3.0	3.1-6.0	6.1-9.0	9.1-12.0	MORE THAN 12
TRINIDAD																								
PIARCO APT	0	15	77	88	86	88	83	83	82	79	79	76	11	0	263.0	73	10.7	18	0	1	4	9	17	0
ST. AUGUSTINE UWI	0	6	62	91	84	82	79	77	75	75	73	59	0	0	236.9	66	10.0	12	0	1	3	15	12	0
TOBAGO																								
CROWN POINT APT	0	15	67	79	84	81	82	80	79	88	73	73	22	0	246.9	71	10.9	19	0	0	6	12	12	0
LOUIS D'OR	0	11	66	79	88	89	91	91	86	89	85	61	1	0	259.8	81	10.4	11	0	0	4	14	13	0
GRENADA																								
MIRABEAU	0	0	26	51	64	72	76	72	64	40	20	2	0	0	150.2	42	6.9	6	0	6	16	9	0	0
BARBADOS																								
G. ADAMS APT	0	20	76	87	89	91	96	97	91	90	86	76	16	0	286.4	80	10.5	10	0	0	2	8	21	0
HUSBANDS CMI	0	7	70	94	92	94	96	98	91	93	93	75	17	0	284.1	80	10.6	20	0	0	1	10	20	0
DOMINICA																								
MELVILLE HALL APT	0	0	35	54	60	69	75	72	76	77	66	39	1	0	193.5	80	9.4	21	0	3	9	18	1	0
CAYMAN ISLANDS																								
WEST BAY	0	0	45	71	74	73	77	78	73	65	60	41	0	0	203.3	59	9.9	20	1	3	6	15	6	0

TABLE VI - SUMMARY OF SUNSHINE RECORDS DECEMBER 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19					NIL	0.1-3.0	3.1-6.0	6.1-9.0	9.1-12.0	MORE THAN 12
BELIZE																								
BELIZE APT	0	1	21	35	49	54	52	52	57	55	54	45	6	0	148.5	43	9.8	9	2	7	10	7	5	0
CENTRAL FARM	0	0	13	27	41	52	62	57	56	48	58	48	9	0	146.5	43	9.3	30	5	4	11	6	5	0
PUNTA GORDA	0	0	26	37	45	57	62	64	72	72	62	44	7	0	169.7	49	10.0	5	2	5	9	11	4	0
GUYANA																								
ANNA REGINA	0	14	59	74	81	87	86	85	86	80	85	67	19	0	255.4	70	10.5	18	0	1	3	11	13	0
EBINI	0	7	34	56	57	60	56	57	44	51	46	49	21	0	160.7	45	10.5	15	0	9	7	10	4	0
FRIENDSHIP	0	14	57	63	71	70	66	68	72	70	72	70	26	0	223.0	61	11.0	14	0	6	4	9	12	0
GEORGETOWN BG	0	8	56	68	74	76	86	84	79	80	76	71	17	0	240.6	66	10.6	29	0	3	5	6	17	0
KAIRUNI	0	10	52	68	70	71	73	71	65	65	66	61	2	0	209.4	57	10.3	14	0	5	4	14	8	0
MAZARUNI	0	2	14	48	55	57	60	60	54	51	52	38	0	0	152.1	42	9.2	30	2	7	11	10	1	0
MON REPOS	0	9	58	78	79	83	87	87	81	79	74	66	3	0	235.4	67	10.0	11	0	2	5	8	15	0
SKELDON FRONT	0	7	48	58	63	68	70	75	77	77	72	63	12	0	206.3	58	10.5	14	0	7	3	8	12	0
TIMEHRI APT	1	11	56	57	59	58	70	71	70	70	66	62	18	0	203.7	58	10.7	29	1	4	4	14	7	0

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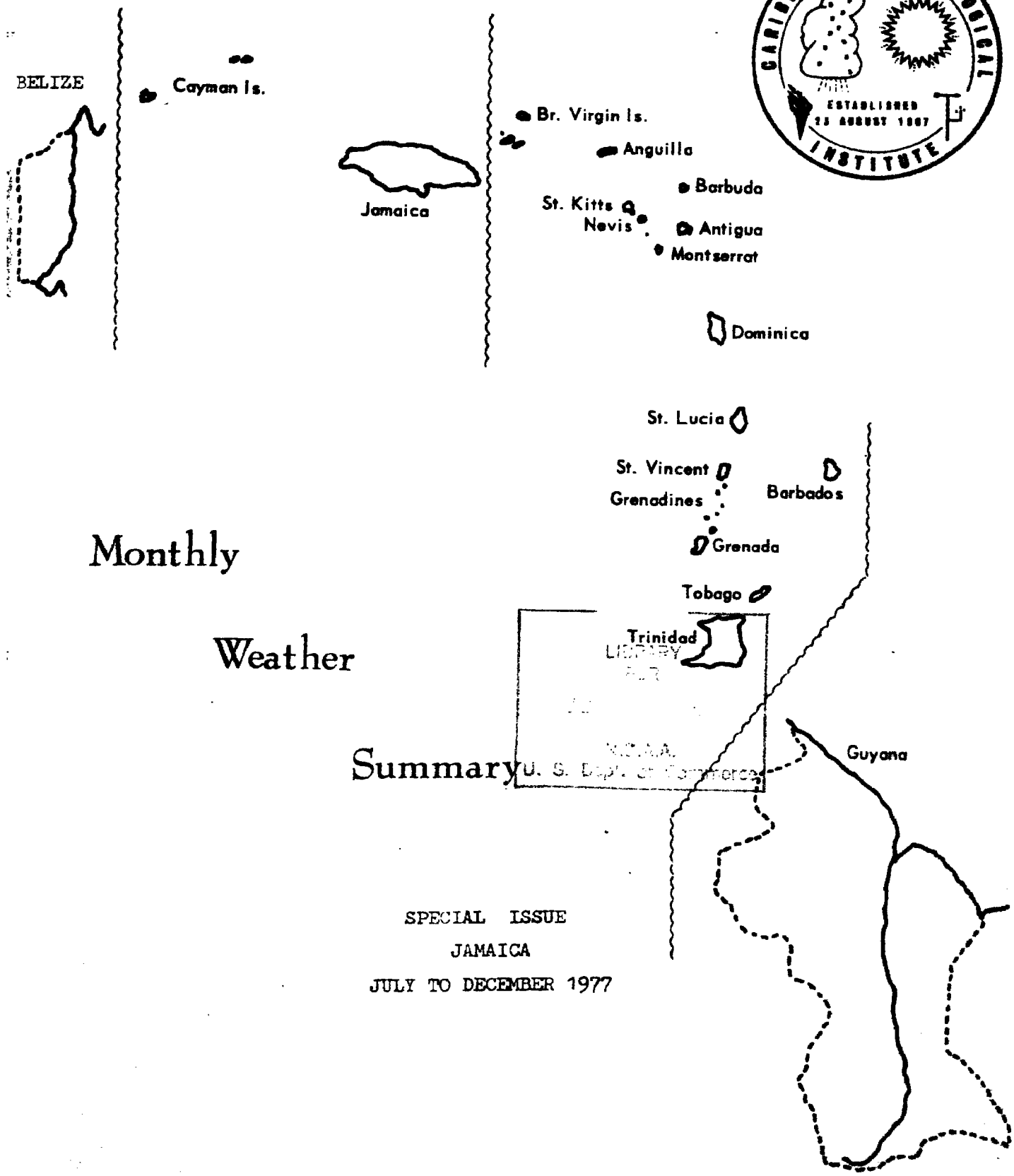

Monthly Weather Summary

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SPECIAL ISSUE

JAMAICA

JULY TO DECEMBER 1977

MONTHLY WEATHER SUMMARY

Prepared and published by the
Caribbean Meteorological Institute
Husbands, St. James, Barbados, W.I.

SPECIAL ISSUE

JAMAICA
JULY TO DEC 1977

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FOREWORD

This Publication is a special issue of the Monthly Weather Summary which contains data from Jamaica alone for the second half of 1977.

Due to exceptional circumstances, the Jamaica Meteorological Service was unable to submit these data at the appropriate time and these data could not be included in the regular Monthly Weather Summaries for the relevant period.

LIST OF JAMAICA STATIONS

STATION	LAT		LONG		ALT.	MEASUREMENTS TAKEN									
						Synop. Obs.	Temperature	Humidity	Wind sp. & dir.	Daily wind mileage	Rainfall	Rainfall intensity	Evaporation	Soil Temperature	Sunshine
	° '	'N	°	'W	ft.										
Alcan	18	03	77	31	2150		x	x		x	x	x	x		x
Bernard Lodge	17	58	76	56	55		x	x		x	x	x	x		x
Bodles	17	55	77	08	60		x	x			x	x	x		x
Caenwood	18	12	76	35			x				x				
Cedar Valley	17	59	76	35	1980		x	x		x	x		x		
Cinchona Hill Gdns.	18	04	76	39	4895		x	x			x				
Dallas	17	59	76	42	950		x	x			x				
Duckenfield	17	55	76	15	60		x	x			x	x			x
East Albion	17	53	76	35	90		x	x		x	x	x	x		
Farm Hill	18	03	76	38	4020		x	x		x	x	x	x		
Frome	18	18	78	09	90		x	x			x				x
Halls Delight	18	03	76	40	3020		x	x		x	x	x	x		
Irwin	18	27	77	53	80		x	x			x				
Kingston St. Geo. Col.	17	59	70	47	90		x	x			x				
Manley Airport	17	56	76	47	9	x	x	x	x	x	x	x	x		x
Marshalls Pen	18	03	77	32	2300	x	x	x	x		x				
Mason river	18	11	77	16	2300		x	x	x		x	x			
Monymusk	17	48	77	16	30		x	x			x				x
Morant Point L.H.	17	55	76	11	5	x	x	x	x		x				
Orange River	18	15	76	53	950		x	x		x	x	x	x		x
Sangster Airport	18	30	77	55	5	x	x	x	x	x	x	x			x
Smithfield	18	24	76	06	925		x	x		x	x	x	x	x	x
Top Mountain	18	05	76	40	3550		x	x			x	x			
Worthy Park	18	08	77	09	1250		x	x			x				x

TABLE 1 SUMMARY OF OBSERVATIONS AT FIXED HOURS JULY 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0—440	440—1,100	1,100—2,200	miles 1/4—2	2—3	3—5	5—10	10 or more
JAMAICA																							
ALCAN	2060	08	74.0	69.6	22.8	80																	
		15	81.2	71.9	22.6	62																	
BERNARD LODGE	55	07	78.4	73.5	26.1	79																	
BODLES	50	07	79.1	74.7	27.6	82																	
		13	89.0	77.9	27.7	60																	
CAENWOOD	40	08	83.1	76.0	27.9	72																	
		16	85.6	77.0	27.9	67																	
CEDAR VALLEY	1980	08	76.8	71.3	23.7	76																	
		13	82.3	73.8	24.8	66																	
CINCHONA GARDENS	4900	07	63.8	62.4	18.6	92																	
CINCHONA GARDENS	4900	16	72.9	71.4	25.6	93																	
DALLAS	950	08	81.0	73.3	24.5	68																	
		15	86.5	73.8	23.1	54																	
DUCKENFIELD	160	08	83.9	77.5	29.2	74																	
EAST ALBION	90	08	82.0	74.8	26.3	71																	
EAST ALBION		13	89.7	77.9	27.4	58																	
FARM HILL	4020	08	66.1	62.5	17.7	81																	
HALLS DELIGHT	3020	07	72.0	66.6	19.8	74																	
		13	78.1	71.1	23.0	71																	
IRWIN	80	08	75.0	72.6	26.3	89																	
		15	88.4	79.2	29.9	66																	
KINGSTON	90	07	80.6	73.9	25.5	72																	
		13	88.7	78.5	28.6	62																	
N. MANLEY APT.	10	01	81.7	77.1	30.2	82	1014.4	2.6	1.5	9	15	5	2	0	0	0	0	0	0	0	0	0	31

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS JULY 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths): MEAN AMT	Number of Observations: 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No. of Observations) yards: 0-440	440-1,100	1,100-2,200	miles: 1¼-2	2-3	3-5	5-10	10 or more
JAMAICA																							
N. MANLEY APT.	10	07	82.6	77.2	30.0	79	1014.7	3.7	2.7	0	17	10	4	0	0	0	0	0	0	0	0	0	31
		13	88.9	81.0	32.7	71	1014.4	19.6	3.9	0	11	9	11	0	0	0	0	0	0	0	0	0	31
		19	84.6	78.4	30.9	77	1013.7	12.2	3.6	0	12	13	5	1	0	0	0	0	0	0	0	0	31
MARSHALLS PEN	2300	07	70.6	68.5	22.9	90		3.6	6.1	8	13	7	3	0	0								
		13	81.5	75.8	28.0	77		4.2	4.1	0	9	10	11	0	1								
MASON RIVER	2300	07	71.2	69.3	23.6	91																	
		13	81.8	73.5	24.5	66																	
MONYMUSK	30	08	84.4	77.0	28.3	71																	
		15	88.6	78.5	28.6	62																	
MORANT POINT L.H	6	01	82.4	80.0	33.9	90	1015.2	11.5	2.6	3	15	10	3	0	0	0	0	0	0	0	0	0	31
MORANT POINT L.H	6	07	82.4	80.0	33.9	90	1015.3	12.8	4.1	0	4	21	6	0	0	0	0	0	0	0	0	0	31
		13	85.8	82.0	36.0	86	1015.6	12.8	4.1	0	2	22	7	0	0	0	0	0	0	0	0	0	31
ORANGE RIVER		19	83.3	80.7	34.7	90	1014.6	10.5	3.4	1	11	12	7	0	0	0	0	0	0	0	0	0	31
	980	08	79.5	76.5	29.9	87																	
		15	83.3	80.1	33.7	87																	
D. SANGSTER APT.	5	01	77.9	73.0	25.9	80	1014.9	1.7	1.2	6	23	1	1	0	0	0	0	0	0	0	0	0	31
		07	79.1	74.2	27.1	80	1015.1	2.9	2.6	0	21	4	6	0	0	0	0	0	0	0	0	0	31
		13	87.8	78.3	29.6	66	1014.9	18.5	2.9	0	18	5	8	0	0	0	0	0	0	0	0	1	30
SMITHFIELD		19	82.3	76.1	28.5	76	1014.2	9.2	3.0	0	17	7	7	0	0	0	0	0	0	0	0	0	31
	925	08	78.9	74.9	27.7	83																	
SMITHFIELD	925	13	83.5	78.1	30.3	78																	
TOP MOUNTAIN	3550	08	69.4	64.4	18.5	76																	
		13	78.4	69.9	21.2	64																	
WORTHY PARK	1250	07	71.0	69.5	24.0	93																	
		15	81.7	74.6	26.1	71																	

TABLE II SUMMARY OF DAILY OBSERVATIONS JULY 1977

COUNTRY STATION	RAINFALL (inches) TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH, OR MORE THAN .04	.40	1.00	AIR TEMPERATURE °F MEAN MAX A	MEAN MIN B	MEAN ½(A+B)	EXTREMES MAX	MIN	MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH THUNDER	FOG	HAIL	GALE
JAMAICA																	
ALCAN	5.06	1.06	2	14	6	1	83.0	63.5	73.3	86	61		251.3				
BERNARD LODGE							92.6	71.4	82.0	95	69						
BODLES	.47	.41	26	2	1	0	92.2	70.0	81.1	98	68		260.1				
CAENWOOD	3.89	.75	12	15	3	0	86.7	67.9	77.3	90	62						
CEDAR VALLEY	1.87	.54	12	9	1	0		67.7			62						
CINCHONA GARDENS	.27	.11	12	3	0	0	76.0	57.3	66.7	78	56						
DALLAS	.38	.27	31	2	0	0	90.3	62.7	76.5	97	46						
DUCKENFIELD	1.51	.48	31	8	1	0	89.4	76.3	82.9	91	70						
EAST ALBION	1.48	.50	14	9	1	0	91.4	76.9	84.2	94	72		288.2				
FARM HILL	.48	.29	11	3	0	0	79.3	62.5	70.9	82	60						
FROME	6.40	2.05	29	10	7	1	90.5	71.8	81.2	93	70		208.5				
HALLS DELIGHT	.21	.06	14	3	0	0	81.2	61.8	71.5	85	60						
IRWIN	1.26	1.04	8	3	1	1	92.4	64.8	78.6	96	62						
KINGSTON	.52	.22	5	4	0	0	92.0	76.6	84.3	96	74			8	0	0	0
N. MANLEY APT.	.10	.10	31	1	0	0	90.2	77.7	84.0	93	68		260.6	2	0	0	0
MARSHALLS PEN	4.95	1.19	2	10	4	2	82.3	66.4	74.4	85	61	65.1		8	1	0	0
MASON RIVER	4.83	1.47	31	14	3	2	82.6	65.2	73.9	86	60			6	0	0	0
MONYMUSK	.12	.07	27	1	0	0	91.7	71.8	81.8	95	69		268.2	3	0	0	0
MORANT POINT L.H.	.79	.39	31	4	0	0	86.7	80.0	83.4	88	74						
ORANGE RIVER	.30	.11	16	3	0	0	88.0	70.7	79.4	91	63		268.3				
D. SANGSTER APT.	.62	.42	8	2	1	0	89.3	75.0	82.2	91	73		293.2	4	0	0	0
SMITHFIELD	4.46	.79	1	10	5	0	85.3	65.6	75.5	89	63		275.8				
TOP MOUNTAIN	.42	.11	11	6	0	0	83.8	63.5	73.7	85	61						
WORTHY PARK	5.63	2.72	1	7	3	2	86.4	65.8	76.1	89	63		222.4				

TABLE III – SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS JULY 1977

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)			SOIL TEMPERATURES °F At 2 inch depth					At 4 inch depth				TOTAL RADIATION (langleys)		
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	MEAN MAX	MEAN MIN	EXTREMES MAX	DATE	MIN	MEAN MAX	MEAN MIN	EXTREME MAX	MIN	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
JAMAICA																	
ALCAN			6.18	.29	30										16923	702	444
BODLES	87	125	8.59M	.50	4										17819	687	428
CEDAR VALLEY			6.10	.36	4												
DUCKENFIELD			6.09	.27	2												
EAST ALBION	31	64	7.00	.46	6												
FARM HILL			6.16M.	.42	9												
FROME			6.14M.	.39	14												
HALLS DELIGHT	35	70															
N. MANLEY APT.	139	225	10.85	.47	8										19123	735	441
MONYMUSK			8.17	.34	12												
ORANGE RIVER	4	11	7.21M	.38	12										15963	630	346
D. SANGSTER APT.	68	125	8.79	.41	13												
SMITHFIELD	30	47	5.77	.36	29	91.7	74.8	98	27	73	88.1	77.1	94	72	14916	668	328
TOP MOUNTAIN	11	25															
WORTHY PARK	31	53															

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS

JULY 1977

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
JAMAICA								
ALCAN	.30	.39	.48	.57	.72	.74	1.06	1.06
BODLES	.16	.30	.35	.40	.41	41	.41	.41
DUCKENFIELD	.18	.30	.32	.35	.35	.35	.48	.48
EAST ALBION	.11	.12	.13	.20	.27	.27	.50	.50
FARM HILL	.20	.20	.20	.22	.22	.29	.29	.29
HALLS DELIGHT	.02	.03	.03	.03	.03	.04	.06	.06
N. MANLEY APT.					.10	.10	.10	.10
MASON RIVER	.38	.60	.84	1.28	1.47	1.47	1.47	1.47
ORANGE RIVER	.05	.07	.08	.10	.10	.10	.11	.11
D. SANGSTER APT	.15	.23	.25	.27	.40	.42	.42	.42
SMITHFIELD	.37	.74	.75	.75	.75	.79	.79	.79
TOP MOUNTAIN	.08	.10	.10	.10	.10	.11	.11	.11

TABLE V – SUMMARY OF WINDSPEED RECORDS JULY 1977

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
JAMAICA												
N. MANLEY APT.	13	25	16	20	13	36	1540	29	3	0	0	9.6
D. SANGSTER APT.	08	26	15	4	08	36	1610	29	10	0	0	9.1

TABLE VI – SUMMARY OF SUNSHINE RECORDS JULY 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19					NIL	0.1–3.0	3.1–6.0	6.1–9.0	9.1–12.0	MORE THAN 12
JAMAICA																								
ALCAN	2	67	87	92	95	95	91	88	63	47	37	39	12	0	251.3	62	11.5	16	0	0	5	16	10	0
BODLES	0	33	92	96	87	86	91	89	85	67	47	39	30	2	260.1	64	11.3	29	0	0	4	15	12	0
CRAWFORD	0	42	47	57	69	88	95	95	91	91	87	78	45	0	273.3	68	11.6	16	0	0	0	18	13	0
EAST ALBION	1	49	83	89	91	90	87	85	80	78	77	73	48	2	288.2	71	12.0	13	0	0	5	4	21	1
N. MANLEY APT.	3	49	91	92	91	90	88	84	74	68	61	41	14	0	260.6	64	11.5	16	0	0	3	16	12	0
MONYMUSK	0	28	88	93	92	97	95	96	90	72	57	46	16	0	268.2	66	10.8	10	0	0	4	13	14	0
ORANGE RIVER	0	17	74	86	91	88	91	93	83	68	66	67	44	3	268.3	66	11.4	13	0	0	4	8	18	0
D. SANGSTER APT.	4	55	91	95	99	98	97	94	86	73	67	69	24	0	293.2	73	11.6	13	0	0	3	6	22	0
SMITHFIELD	8	72	82	94	98	97	96	83	55	55	54	57	40	3	275.8	68	11.5	12	0	0	3	10	18	0

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS AUGUST 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths): MEAN AMT	Number of Observations: 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards: 0–440	440–1,100	1,100–2,200	miles: 1¼–2	2–3	3–5	5–10	10 or more
JAMAICA																							
ALCAN	2060	08	73.8	70.3	23.7	83																	
		15	80.2	72.2	23.1	66																	
BENARD LODGE	55	07	76.6	74.0	27.5	88																	
	50	07	79.6	75.8	28.9	84																	
		13	88.1	79.0	29.9	66																	
CAENWOOD	40	08	80.3	75.3	27.7	78																	
		16	85.0	78.4	30.4	74																	
CEDAR VALLEY	1980	08	75.3	71.9	25.1	84																	
		13	80.7	74.6	26.4	74																	
CINCHONA GARDENS	4900	07	64.2	60.3	18.3	89																	
CINCHONA GARDENS	4900	16	68.3	66.7	21.5	91																	
DALLAS	950	08	79.7	73.4	25.3	73																	
		15	83.4	74.7	25.2	65																	
DUCKENFIELD		08	82.6	77.9	30.6	81																	
EAST ALBION	90	08	81.2	74.8	26.6	74																	
EAST ALBION	90	13	88.3	77.3	27.2	60																	
FARM HILL	4020	07	66.7	63.4	18.5	83																	
		13	74.8	69.4	22.2	76																	
HALLS DELIGHT	3020	07	72.3	66.3	19.6	73																	
		14	76.2	69.0	21.1	69																	
IRWIN		07	75.1	73.5	27.5	92																	
		16	84.1	76.2	28.8	72																	
KINGSTON	90	07	79.1	74.2	26.7	79																	
		13	87.7	78.9	29.8	67																	
NORMAN MANLEY APT.	10	01	81.8	78.6	32.2	87	1013.6	2.8	1.6	8	16	5	2	0	0	0	0	0	0	0	0	0	31

TABLE 1 SUMMARY OF OBSERVATIONS AT FIXED HOURS AUGUST 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eights) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0-440	440-1,100	1,100-2,200	miles 1/4-1/2	1-2	2-3	3-5	5-10	10 or more
JAMAICA																								
NORMAN MANLEY APT.	10	07	81.9	78.2	31.7	85	1013.5	4.3	3.7	0	11	9	10	1	0	0	0	0	0	1	0	0	30
		13	88.3	81.3	33.3	73	1013.2	17.6	5.1	0	5	10	14	2	0	0	0	0	0	0	0	1	30
		19	83.7	79.0	32.2	82	1012.6	10.4	5.1	0	5	11	14	1	0	0	0	0	0	0	0	0	31
MARSHALLS PEN	2300	07	70.5	69.9	24.7	97		1.8	3.5	2	16	3	5	0	5								
		13	79.8	75.1	27.7	80		3.9	4.5	0	9	8	11	0	3								
MASON RIVER	2300	07	70.6	69.3	23.9	94																	
		13	80.5	73.1	24.4	69																	
		19	72.3	70.4	24.6	91																	
MONYNUSK	30	08	82.9	77.1	29.2	76																	
		15	87.5	78.6	29.5	66																	
MORANT POINT L.H.	6	01	82.5	79.9	33.7	89	1014.4	8.2	3.8	0	11	14	6	0	0	0	0	0	0	0	0	0	31
		07	82.4	79.9	33.7	89	1014.2	10.3	4.8	0	4	15	12	0	0	0	0	0	0	0	0	0	31
		13	85.0	81.4	35.1	85	1014.4	9.6	5.1	0	1	18	10	2	0	0	0	0	0	0	0	0	31
		19	83.1	80.3	34.2	88	1013.4	9.2	4.5	0	5	16	9	1	0	0	0	0	0	0	0	0	31
ORANGE RIVER	980	08	78.5	75.4	28.8	87																	
ORANGE RIVER	980	16	80.1	77.7	31.4	89																	
D. SANGSTER APT.	5	01	78.3	73.8	26.9	81	1013.7	1.2	1.7	1	22	5	2	0	0	0	0	0	0	0	0	0	30
		07	79.4	74.2	27.0	79	1013.8	3.0	4.2	0	9	10	11	0	0	0	0	0	0	0	0	0	30
		13	87.5	78.0	29.0	65	1013.3	16.3	3.9	0	15	4	12	0	0	0	1	0	0	1	0	0	29
		19	81.3	75.9	28.5	78	1012.9	6.1	4.6	0	7	11	12	0	0	0	0	0	0	0	0	0	30
SMITHFIELD	925	08	78.9	75.4	28.6	85																	
		13	82.9	77.8	30.3	79																	
TOP MOUNTAIN	3550	08	67.4	64.8	19.8	80																	
		13	76.2	71.5	24.2	79																	
WORTHY PARK	1250	07	70.3	69.5	24.2	96																	
		15	80.9	74.5	26.2	73																	

TABLE II SUMMARY OF DAILY OBSERVATIONS AUGUST 1977

COUNTRY STATION	RAINFALL (inches)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH. OR MORE THAN			MEAN MAX A	MEAN MIN B	MEAN ½(A+B)	EXTREMES				THUNDER	FOG	HAIL	GALE
				.04	.40	1.00				MAX	MIN						
JAMAICA																	
ALCAN	11.25	2.21	23	18	10	5	82.5	64.6	73.6	86	52		216.6				
BERNARD LODGE	2.79	1.00	23	5	3	1	92.8	72.2	82.5	95	69						
BODLES	4.09	1.21	21	6	4	2	91.2	71.3	81.3	96	69		236.4				
CAENWOOD	10.09	2.68	4	17	7	3	86.1	65.0	75.6	90	57						
CEDAR VALLEY	7.26	2.16	5	11	5	2	84.0	67.2	75.6	87	63						
CINCHONA GARDENS	6.22	2.25	22	14	6	1	73.9	56.4	65.2	75	55						
DALLAS	5.43	2.35	23	9	4	2	87.8			91							
DUCKENFIELD	10.24	1.67	4	21	9	4	88.1	74.7	81.4	90	71		192.0				
EAST ALBION	7.33	2.72	22	15	7	1	90.8	75.6	83.2	94	73		235.2				
FARM HILL	4.95	1.16	22	13	4	1	77.4	62.6	70.0	82	60						
FROME	17.83	3.93	19	16	13	5	90.3	72.9	81.6	92	71						
HALLS DELIGHT	5.20	2.84	22	13	2	1	80.7	63.4	72.1	85	60						
IRWIN	3.62	1.31	9	9	3	1	92.3	65.4	78.9	95	64						
KINGSTON	3.36	1.56	23	11	2	1	91.5	75.9	83.7	95	73						
N. MANLEY APT.	3.20	1.65	22	7	2	1	90.0	78.0	84.0	93	73		232.1	6	0	0	0
MARSHALLS PEN	9.64	3.00	23	16	6	3	81.5	68.1	74.8	84	73			14	1	0	0
MASON RIVER	7.40	1.46	18	17	6	3	81.8	66.3	74.1	85	63			9	0	0	0
MONYMUSK	2.78	1.80	24	3	2	1	92.5	72.5	82.5	95	70		245.4				
MORANT POINT L.H	7.22	1.66	6	16	5	2	86.5	78.4	82.5	89	70			10	0	0	0
ORANGE RIVER	3.04	.85	26	10	3	0	87.8	70.3	79.1	90	68		210.4				
D. SANGSTER APT.	3.25	1.14	31	7	4	2	89.6	76.0	82.8	92	74		238.7	12	0	0	0
SMITHFIELD	10.76	2.07	20	15	10	5	85.0	66.0	75.5	87	63		223.8				
TOP MOUNTAIN	6.26	1.72	22	12	6	2	82.5	63.1	72.8	84	60						
WORTHY PARK	6.04	1.50	22	12	4	3	86.1	67.6	76.9	88	65		176.7				

TABLE III - SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS AUGUST 1977

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)			SOIL TEMPERATURES °F At 2 inch depth					At 4 inch depth				TOTAL RADIATION (langleys)		
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	MEAN MAX	MEAN MIN	EXTREMES MAX	DATE	MIN	MEAN MAX	MEAN MIN	EXTREME MAX	MIN	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
JAMAICA																	
ALCAN															16157	632	199
BODLES	74	103	8.31M	.43	24										17063	680	197
DUCKENFIELD			6.11M	.40	14												
EAST ALBION	15	43	6.42M	.49	31												
HALLS DELIGHT	27	75															
N. MANLEY APT.	121	190													18312	790	191
MONYMUSK			7.12M	.40	12												
ORANGE RIVER	2	7	5.40M	.29	17										13332	599	162
D. SANGSTER APT.	50	79	7.30	.30	5										15017	634	241
SMITHFIELD	25	47	4.51M	.25	22	90.1	74.6	96	12	73	83.7	77.0	92	75	13006	604	226
TOP MOUNTAIN	9	20															
WORTHY PARK	25	57	4.84	.20	17												

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS AUGUST 1977

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
JAMAICA								
ALCAN	.50	.85	1.00	1.40	1.60	1.75	2.15	2.21
BODLES	.35	.45	.52	.75	1.12	1.21	1.21	1.21
DUCKENFIELD	.30	.54	.70	.90	1.14	1.21	1.48	1.67
EAST ALBION	.32	.36	.38	.52	1.00	1.50	2.49	2.49
FARM HILL	.20	.22	.23	.30	.33	.50	.83	1.00
N. MANLEY APT.	.20	.32	.32	.60	.71	1.34	1.65	1.65
MASON RIVER	.44	.65	.73	1.02	1.37	1.45	1.46	1.46
D. SANGSTER APT	.80	.90	.90	1.00	1.05	1.11	1.14	1.14
SMITHFIELD	.44	.80	.94	1.43	1.45	1.90	2.07	2.07

TABLE V – SUMMARY OF WINDSPEED RECORDS AUGUST 1977

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
JAMAICA												
BODLES	12	11	14	2	13	20	1415	3	0	0	0	2.3
N. MANLEY APT.	12	28	15	6	10	42	1125	7	14	0	0	3.4
D. SANGSTER APT.	07	26	13	4	07	35	1430	4	2	0	0	6.7

TABLE VI – SUMMARY OF SUNSHINE RECORDS AUGUST 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19					NIL	0.1–3.0	3.1–6.0	6.1–9.0	9.1–12.0	MORE THAN 12
JAMAICA																								
ALCAN	0	55	82	85	87	86	80	67	62	44	27	13	10	0	216.6	55	11.1	2	0	3	6	16	6	0
BODLES	0	36	77	89	86	83	81	89	79	55	47	27	14	1	236.4	60	11.7	2	0	1	5	19	6	0
CRAWFORD	0	27	39	50	60	74	79	85	84	82	72	59	33	0	230.6	58	10.4	16	0	1	4	21	5	0
DUCKENFIELD	0	36	58	64	65	61	66	56	53	51	53	40	17	0	192.0	49	10.1	2	0	7	8	8	6	0
EAST ALBION	0	38	62	69	82	84	79	73	66	67	61	53	23	2	235.2	59	11.4	5	0	4	7	4	16	0
N. MANLEY APT.	3	54	77	79	78	83	82	78	69	57	46	30	12	1	232.1	59	11.9	17	0	3	6	10	12	0
MONYMUSK	0	7	30	54	65	86	93	90	92	95	88	72	20	0	245.4	62	10.3	17	0	0	2	16	12	0
ORANGE RIVER	1	31	65	74	80	80	75	68	62	57	36	30	19	1	210.4	53	10.7	3	0	2	10	13	6	0
D. SANGSTER APT.	0	46	76	82	80	85	83	85	75	61	51	35	11	0	238.7	60	11.6	2	0	3	5	11	12	0
SMITHFIELD	2	65	76	88	92	83	81	75	49	31	24	29	21	6	223.8	57	11.7	12	0	2	5	17	7	0

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS SEPTEMBER 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (tenths): MEAN AMT	Number of Observations: 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No. of Observations) yards: 0-440	440-1,100	1,100-2,200	miles: 1¼-2	2-3	3-5	5-10	10 or more
JAMAICA																							
ALCAN	2060	07	73.4	70.5	24.2	87																	
		13	80.0	72.2	23.6	68																	
BERNARD LODGE	55	07	77.6	74.5	27.8	86																	
BODLES	50	07	78.0	75.4	29.0	89																	
		13	87.3	78.6	29.8	68																	
CAENWOOD	40	08	80.1	75.8	28.7	82																	
		16	85.7	78.5	30.2	72																	
CEDAR VALLEY	1980	08	74.9	72.3	25.9	88																	
		13	81.6	74.9	26.6	73																	
CINCHONA GARDENS	4900	07	64.8	62.9	18.8	90																	
CINCHONA GARDENS	4900	16	69.9	68.5	23.1	93																	
DALLAS	950	08	79.0	74.5	27.1	81																	
		15	83.5	75.0	25.9	66																	
EAST ALBION	90	08	80.0	75.1	27.7	80																	
		13	86.8	77.8	28.6	66																	
FARM HILL	4020	08	65.6	63.7	19.4	91																	
		13	73.3	68.2	21.2	76																	
HALLS DELIGHT	3020	07	71.7	66.7	20.6	78																	
		13	75.9	69.6	22.0	73																	
IRWIN	80	08	74.9	73.4	27.5	93																	
IRWIN	80	15	84.7	78.4	30.4	75																	
KINGSTON	90	07	78.6	74.2	27.0	81																	
		13	89.0	79.5	30.3	65																	
N. MANLEY AIRPORT	10	01	82.1	78.9	32.7	88	1013.1	4.1	2.6	3	15	6	5	1	0	0	0	0	0	0	0	0	30
		07	82.3	79.3	33.1	88	1013.1	3.8	4.8	0	4	13	13	0	0	0	0	0	0	0	0	0	30

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS SEPTEMBER 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (Eights) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0—440	440—1,100	1,100—2,200	miles 1/4—2	2—3	3—5	5—10	10 or more
JAMAICA																							
N. MANLEY AIRPORT	10	13	89.3	82.0	33.7	72	1012.7	17.9	5.1	0	6	9	14	1	0	0	0	0	0	0	0	0	30
		19	84.3	79.6	32.7	82	1012.2	10.5	4.6	0	6	12	9	3	0	0	0	0	0	0	0	0	30
MARSHALLS PEN	2300	07	71.5	70.5	25.0	95		2.7	2.9	3	16	3	6	0	2								
		13	79.3	74.6	27.2	80		4.5	4.1	0	12	7	7	0	4								
MASON RIVER	2300	07	71.2	69.7	24.1	92		2.6															
MASON RIVER	2300	13	80.2	72.5	23.6	67		3.9															
		19	72.5	70.7	24.8	91		2.0															
MONYMUSK	30	08	82.5	77.5	29.9	79																	
		15	87.7	78.9	30.2	67																	
MORANT POINT L.H	6	01	82.5	79.4	33.0	87	1013.8	9.4	4.6	0	2	21	5	2	0	0	0	0	0	0	0	0	30
MORANT POINT L.H	6	07	81.9	79.1	32.7	88	1013.6	9.8	5.1	0	4	11	15	0	0	0	0	0	0	0	0	0	30
		13	85.6	80.9	34.0	82	1013.7	9.6	4.7	0	5	14	10	1	0	0	0	0	0	0	0	0	30
		19	83.5	79.9	33.3	85	1013.0	9.8	4.5	0	3	16	10	1	0	0	0	0	0	0	0	0	30
ORANGE RIVER	980	08	76.8	75.0	28.8	91																	
		16	79.7	77.5	31.4	91																	
D. SANGSTER APT.	5	01	77.6	73.9	27.2	85	1013.1	0	3.5	1	12	8	6	2	0	0	0	0	0	0	0	0	29
		07	79.1	74.3	27.3	80	1013.4	1.6	4.7	0	8	7	12	2	0	0	0	0	0	0	0	0	29
		13	86.7	78.4	30.2	70	1012.7	14.5	4.7	0	7	7	15	1	0	0	0	0	0	0	0	0	30
		19	79.8	75.3	28.2	81	1012.7	1.9	5.8	0	1	8	20	1	0	0	0	0	0	0	0	0	30
SMITHFIELD	925	08	79.1	75.6	28.7	85																	
SMITHFIELD	925	13	82.3	77.6	30.3	80																	
TOP MOUNTAIN	3550	08	67.1	65.3	20.6	91																	
		13	75.1	71.6	24.9	84																	
WORTHY PARK	1250	08	70.5	69.6	24.2	95																	
		15	80.9	74.7	26.6	74																	

TABLE II SUMMARY OF DAILY OBSERVATIONS SEPTEMBER 1977

COUNTRY STATION	RAINFALL (inches)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN			MEAN MAX A	MEAN MIN B	MEAN $\frac{1}{2}(A+B)$	EXTREMES				THUNDER	FOG	HAIL	GALE
				.04	.40	1.00				MAX	MIN						
JAMAICA																	
ALCAN	5.19	2.10	1	12	3	2	82.5	66.3	74.4	86	61		206.8	1	0	0	0
BERNARD LODGE	.08	.08	12	1	0	0	91.5	72.3	81.9	93	69						
BODLES	1.02	.47	12	6	1	0	90.6	71.9	81.3	95	70		218.7				
CAENWOOD	3.64	.63	27	15	3	0	86.8	61.4	74.1	90	55						
CEDAR VALLEY	4.99	2.00	2	13	3	1		67.2			64						
CINCHONA GARDENS	3.97	1.12	21	9	3	1	74.5	56.6	65.6	75	56						
DALLAS	3.85	1.97	24	6	3	1	87.3			92							
EAST ALBION	5.70	1.70	25	12	4	2	88.8	75.8	82.3	94	74						
FARM HILL	3.87	1.52	25	11	3	1	75.7	62.5	69.1	81	57						
FROME	10.38	2.90	25	13	7	4	90.1	71.3	80.7	90	70		193.5				
HALLS DELIGHT	2.48	.42	23	10	2	0	79.4	63.7	71.6	89	60						
IRWIN	10.50	1.90	20	13	10	5	91.2			93							
KINGSTON	.24	.10	18	3	0	0	91.5	76.8	84.2	94	75			8	0	0	0
N. MANLEY AIRPORT	2.37	2.25	18	2	1	1	90.4	78.9	84.7	93	76		219.6	6	0	0	0
MARSHALLS PEN	6.89	2.90	1	6	4	3	79.7	71.4	75.6	82	69	70.1					
MASON RIVER	4.61	1.48	21	14	3	1	80.9	65.4	73.2	84	60			6	0	0	0
MONYMUSK	2.26	.43	29	10	1	0	91.7	72.7	82.2	94	71		126.2				
MORANT PT L.H	7.44	2.14	17	15	7	1	86.7	77.2	82.0	88	74			16	0	0	0
ORANGE RIVER	5.23	1.30	25	11	5	1	87.6	69.7	78.7	90	68		186.0				
D. SANGSTER AIRPORT	5.95	1.87	2	15	5	1	88.4	75.3	81.9	90	71		199.0	19	0	0	0
SMITHFIELD	13.11	1.29	26	23	13	4	85.4	65.6	75.5	89	62		194.5				
TOP MOUNTAIN	5.11	1.93	22	11	3	1	79.7	63.1	71.4	81	60						
WORTHY PARK	4.71	1.78	25	10	3	1	86.2	67.7	77.0	89	63		165.6				

TABLE III – SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS SEPTEMBER 1977

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)			SOIL TEMPERATURES °F At 2 inch depth					At 4 inch depth				TOTAL RADIATION (langleys)		
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	MEAN MAX	MEAN MIN	EXTREMES MAX	DATE	MIN	MEAN MAX	MEAN MIN	EXTREME MAX	MIN	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
JAMAICA																	
ALCAN			5.34M	.29	23												
BODLES	73	100	7.97	.50	7										16185	660	411
EAST ALBION	6	13	5.15M	.42	16												
FARM HALL			3.05M	.29	8												
N. MANLEY AIRPORT	106	216	7.91M	.47	3										17995	735	382
MONYMUSK			6.52M	44	3												
ORANGE RIVER	1	4	5.00M	29	3										13016	578	289
D. SANGSTER AIRPORT	43	86	6.26M	36	5										14730	667	193
SMITHFIELD	28	43				87.7	74.0	94	12	72	85.8	76.7	90	75	11519	548	162
TOP MOUNTAIN	5	14															
WORTHY PARK	20	42															

TABLE IV – SUMMARY OF RAINFALL INTENSITY RECORDS SEPTEMBER 1977

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
JAMAICA								
ALCAN	.35	.55	.65	.86	.88	1.11	1.94	2.09
BODLES	.11	.21	.27	.47	.47	.47	.47	.47
EAST ALBION	.18	.30	.35	.57	.72	1.13	1.70	1.70
FARM HILL	.25	.42	.50	.66	1.28	1.35	1.52	1.52
N. MANLEY AIRPORT	.45	.80	1.00	1.35	1.93	2.23	2.25	2.25
MASON RIVER								1.48
ORANGE RIVER						1.26	1.28	1.30
D. SANGSTER AIRPORT							1.58	1.87
SMITHFIELD	.75	.80	.84	1.20	1.23	1.29	1.29	1.29
TOP MOUNTAIN	.30	.40	.50	.85	1.12	1.65	1.93	1.93

TABLE V – SUMMARY OF WINDSPEED RECORDS SEPTEMBER 1977

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
JAMAICA												
BODLES	14	12	14	6	14	24	1240	25	0	0	0	2.7
N. MANLEY AIRPORT	14	23	14	3	14	37	1205	26	4	0	0	9.1
D. SANGSTER AIRPORT	08	21	14	8	15	35	1515	25	1	0	0	5.2

TABLE VI – SUMMARY OF SUNSHINE RECORDS SEPTEMBER 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19					NIL	0·1–3·0	3·1–6·0	6·1–9·0	9·1–12·0	MORE THAN 12
JAMAICA																								
ALCAN	0	27	78	87	87	86	87	76	68	47	30	15	7	0	206.8	57	9.8	4	0	2	5	17	6	0
BODLES	0	7	70	84	80	80	92	84	75	59	45	38	12	0	218.7	60	10.5	8	0	1	8	14	7	0
CRAWFORD	0	23	67	82	81	88	85	77	61	44	28	19	5	0	197.9	54	10.3	24	0	2	7	17	4	0
N. MANLEY AIRPORT	0	31	70	78	83	89	80	82	76	54	44	37	12	0	219.6	60	10.8	9	0	1	7	13	9	0
MONYMUSK	0	7	30	44	66	78	85	87	93	89	79	67	6	0	126.2	60	10.5	10	0	1	6	18	5	0
ORANGE RIVER	0	0	50	74	77	81	75	68	57	46	44	30	14	0	186.0	51	10.3	3	1	1	12	12	4	0
D. SANGSTER APT.	0	23	75	80	73	79	76	75	60	50	38	27	7	0	199.0	54	10.6	6	1	4	6	11	8	0
SMITHFIELD	2	53	82	86	86	82	80	55	41	32	21	22	8	0	194.5	53	11.2	5	0	2	8	18	2	0

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS OCTOBER 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths): MEAN AMT	Number of Observations: 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards: 0–440	440–1,100	1,100–2,200	miles: 1/4–2	2–3	3–5	5–10	10 or more
JAMAICA																							
ALCAN	2060	08	72.4	69.6	23.5	86																	
BERNARD LODGE	55	07	77.6	74.1	27.8	89																	
BODLES	50	07	76.3	74.8	29.0	93																	
		13	87.6	80.4	32.4	72																	
CAENWOOD	40	08	79.9	74.6	26.9	77																	
CAENWOOD	40	15	83.8	78.2	30.5	77																	
CEDAR VALLEY	1980	08	71.8	69.5	23.9	91																	
		13	79.8	74.6	27.1	78																	
CINCHONA GARDENS	4900	07	64.6	62.8	18.7	90																	
		16	69.5	68.1	22.9	93																	
DALLAS	950	08	78.4	74.9	28.1	85																	
		15	80.2	75.6	28.3	80																	
EAST ALBION	90	08	79.6	73.6	25.6	74																	
		13	87.8	77.5	27.6	62																	
FARM HILL	4020	07	66.4	63.4	18.6	84																	
FARM HILL	4020	13	71.4	66.5	20.3	77																	
HALLS DELIGHT	3020	07	71.0	66.3	19.9	77																	
		13	74.8	69.3	22.0	75																	
IRWIN	80	07	75.0	73.4	27.5	93																	
		16	84.9	78.3	30.2	74																	
KINGSTON	90	07	77.2	73.3	26.2	82																	
		13	88.0	79.0	29.5	66																	
N. MANLEY AIRPORT	10	01	81.6	78.4	32.0	87	1012.3	2.5	2.4	2	17	10	2	0	0	0	0	0	0	0	0	0	31
		07	81.4	78.2	31.8	87	1012.4	2.5	3.5	0	11	13	7	0	0	0	0	0	0	0	0	0	31
		13	89.6	82.6	34.8	73	1012.0	13.8	4.6	0	4	17	10	0	0	0	0	0	0	0	0	0	31

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS OCTOBER 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0-440	440-1,100	1,100-2,200	miles 1¼-2	2-3	3-5	5-10	10 or more
JAMAICA																							
N.MANLEY AIRPORT	10	19	84.0	80.0	33.3	84	1012.0	7.2	3.9	0	8	16	7	0	0	0	0	0	0	0	0	0	31
MARSHALLS PEN	2300	07	67.0					0.0	0.0														
		13	81.0	76.8	29.7	82		3.5	5.4														
MASON RIVER	2300	07	70.3	69.1	23.7	94																	
		13	80.9	73.8	25.3	70																	
MASON RIVER	2300	19	71.9	70.1	24.5	92																	
MONYMUSK	30	08	80.6	76.3	29.3	82																	
		15	87.4	79.0	30.1	68																	
MORANT PT. L.H.	6	01	81.3	78.1	31.5	86	1013.4	7.2	3.6	0	10	12	3	2	0	0	0	0	0	0	0	0	27
		07	80.0	77.5	31.6	86	1013.4	8.5	4.3	0	5	13	8	1	0	0	0	0	0	0	0	0	27
MORANT PT. L.H.	6	13	85.8	80.7	33.5	79	1012.9	9.0	4.3	0	4	16	5	1	0	0	0	0	0	0	0	0	26
		19	83.0	79.2	32.4	84	1012.5	7.9	3.4	0	11	12	3	1	0	0	0	0	0	0	0	0	27
ORANGE RIVER	980	08	76.3	74.5	28.3	92																	
		16	80.3	78.6	32.7	93																	
D. SANGSTER AIRPORT	5	01	77.5	74.0	27.3	85	1012.5	0.0	2.4	4	15	7	5	0	0	0	0	1	0	0	0	0	30
D. SANGSTER AIRPORT	5	07	78.3	74.0	27.1	82	1012.7	0.0	2.9	0	20	3	8	0	0	0	0	0	0	0	0	0	31
		13	86.4	78.2	29.9	70	1011.8	11.6	3.2	0	19	4	7	1	0	0	0	0	0	0	0	1	30
		19	79.7	75.0	27.9	81	1012.0	1.5	4.1	0	11	8	10	2	0	0	0	0	0	0	0	0	31
SMITHFIELD	925	08	79.2	75.3	28.3	84																	
		13	82.7	77.5	30.1	79																	
TOP MOUNTAIN	3550	08	66.3	64.6	19.9	91																	
		13	73.0	69.7	23.3	84																	
WORTHY PARK	1250	07	69.3	68.6	23.6	97																	
		15	80.4	74.6	26.7	75																	

TABLE II SUMMARY OF DAILY OBSERVATIONS OCTOBER 1977

COUNTRY STATION	RAINFALL (inches)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN			MEAN MAX A	MEAN MIN B	MEAN $\frac{1}{2}$(A+B)	EXTREMES				THUNDER	FOG	HAIL	GALE
				.04	.40	1.00				MAX	MIN						
JAMAICA																	
ALCAN	13.79	2.82	14	17	11	5	82.6	64.6	73.6	86	61		225.6	3	0	0	0
BERNARD LODGE	3.12	.82	15	6	5	0	91.1	71.0	81.1	95	68						
BODLES	2.86	.81	15	9	3	0	89.4	71.2	80.3	95	69		251.3				
CAENWOOD	2.17	.55	28	10	2	0	84.9	58.4	71.7	90	52						
CEDAR VALLEY	7.62	2.61	14	12	7	1		65.4			62						
CINCHONA GARDENS	6.64	1.54	4	15	6	2	72.0	56.0	64.0	76	55						
DALLAS	7.25	2.72	28	13	4	2	86.2			91							
EAST ALBION	3.96	1.55	12	7	2	2	89.9	74.6	82.3	93	70						
FARM HILL	7.04	1.21	14	16	6	3	75.0	62.2	68.6	77	61						
FROME	9.94	1.72	12	11	7	5	90.0	71.7	80.9	92	70						
HALLS DELIGHT	3.30	1.92	13	6	3	1	71.9	64.7	71.9	84	61						
IRWIN	6.36	2.10	21	7	4	4	91.5			94							
KINGSTON	2.55	.86	28	7	2	0	91.4	75.8	83.6	95	73						
N. MANLEY AIRPORT	1.44	.61	30	5	1	0	90.6	77.6	84.1	94	73		241.7	9	0	0	0
MARSHALLS PEN	12.00	2.06	14	16	9	6	82.7	65.1	73.9	86	61	64.1		23	2	1	0
MASON RIVER	10.20	1.98	31	20	10	3	81.1	65.0	73.1	84	62			11	0	1	0
MONYMUSK	5.55	1.55	14	10	5	2	90.8	71.7	81.3	94	69		262.6				
MORANT PT. L.H.	4.85	1.25	12	7	5	2	86.9	77.6	82.3	88	71			8	0	0	0
ORANGE RIVER	1.56	.79	19	6	2	0	87.1	69.4	78.3	88	67		200.9				
D. SANGSTER AIRPORT	4.75	1.34	13	7	4	2	88.1	75.3	81.7	89	73		272.7	9	0	0	0
SMITHFIELD	15.25	6.25	12	12	7	4	84.8	66.2	75.5	88	64		241.1				
TOP MOUNTAIN	5.35	1.45	4	17	3	1	78.1	61.9	70.0	82	59						
WORTHY PARK	7.62	1.62	21	15	6	3	86.4	67.5	77.0	89	65		179.2				

TABLE III – SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS OCTOBER 1977

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)			SOIL TEMPERATURES °F At 2 inch depth					At 4 inch depth				TOTAL RADIATION (langleys)		
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	MEAN MAX	MEAN MIN	EXTREMES MAX	DATE	MIN	MEAN MAX	MEAN MIN	EXTREME MAX	MIN	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
JAMAICA																	
ALCAN															16706	724	352
BODLES	61	83	6.39	.33	8										16861	604	365
EAST ALBION	3	18															
N. MANLEY AIRPORT	75	131													18235	750	323
ORANGE RIVER	1	12	4.54M	.25	22						78.9	79.2	81	79	13259	564	236
D. SANGSTER AIRPORT	39	85	7.04	.49	1										14572	619	269
SMITHFIELD	24	40				88.3	73.5	93	31	71	84.9	76.0	89	73	12783	553	264
TOP MOUNTAIN	6	23															
WORTHY PARK	18	43															

TABLE IV – SUMMARY OF RAINFALL INTENSITY RECORDS OCTOBER 1977

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
JAMAICA								
ALCAN	.35	.55	.85	1.24	1.58	1.64	2.01	2.80
BODLES	.20	.32	.42	.56	.56	.56	.56	.56
EAST ALBION	.25	.35	.60	1.00	1.50	1.55	1.55	1.55
FARM HILL	.35	.52	.64	.80	1.13	1.16	1.16	1.16
N. MANLEY AIRPORT	.16	.30	.42	.45	.59	.61	.61	.61
MASON RIVER	.36	.55	.68	1.32	1.89	1.89	1.98	1.98
ORANGE RIVER	.12	.19	.21	.33	.37	.59	.79	.79
D. SANGSTER AIRPORT	.35	.52	.87	1.22	1.32	1.34	1.34	1.34
SMITHFIELD	.50	1.00	1.00	1.76	3.00	4.59	6.25	6.25
TOP MOUNTAIN	.23	.37	.52	.76	1.36	1.45	1.45	1.45

TABLE V – SUMMARY OF WINDSPEED RECORDS OCTOBER 1977

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
JAMAICA												
BODLES	14	10	13	01	13	18	1155	14	0	0	0	1.6
N. MANLEY AIRPORT	16	24	15	25	12	32	1420	29	0	0	0	6.9
D. SANGSTER AIRPORT	7	20	15	22	36	26	1740	15	0	0	0	4.1

TABLE VI – SUMMARY OF SUNSHINE RECORDS OCTOBER 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19					NIL	0·1–3·0	3·1–6·0	6·1–9·0	9·1–12·0	MORE THAN 12
JAMAICA																								
ALCAN	0	28	80	85	94	90	90	85	75	57	30	14	1	0	225.6	62	9.8	22	0	2	3	23	3	0
BODLES	0	5	80	91	92	91	87	93	86	79	55	32	19	0	251.3	69	10.6	21	0	0	5	15	10	0
CRAWFORD	0	11	70	87	93	94	92	91	91	79	59	49	8	0	255.5	70	10.4	9	0	2	0	15	11	0
N. MANLEY AIRPORT	0	31	85	90	94	95	92	89	70	48	48	32	6	0	241.7	66	10.8	19	0	1	3	17	10	0
MONYMUSK	0	1	44	73	87	91	94	89	93	90	83	82	21	0	262.6	72	10.3	2	0	2	2	10	17	0
ORANGE RIVER	0	0	41	83	96	88	79	73	71	58	37	20	2	0	200.9	55	9.1	6	0	2	8	18	1	0
D. SANGSTER AIRPORT	0	21	97	98	98	97	97	92	84	75	65	47	9	0	272.7	75	10.7	8	0	0	3	9	19	0
SMITHFIELD	0	43	91	90	97	98	94	81	63	47	33	29	12	0	241.1	66	11.0	5	0	1	5	17	8	0

TABLE 1 SUMMARY OF OBSERVATIONS AT FIXED HOURS NOVEMBER 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths): MEAN AMT	Number of Observations: 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards: 0—440	440—1,100	1,100—2,200	miles: ¼—½	½—2	2—3	3—5	5—10	10 or more
JAMAICA																								
ALCAN	2060	08	75.2	69.8	22.5	76																		
		15	80.7	71.4	22.2	62																		
BERNARD LODGE	55	07	78.6	75.1	28.3	85																		
BODLES	50	07	78.0	74.7	28.0	86																		
		13	87.6	78.1	28.7	64																		
CAENWOOD	40	08	77.4	73.5	26.4	82																		
		15	82.4	77.2	29.6	78																		
CEDAR VALLEY	1980	08	73.0	70.5	24.5	88																		
		13	79.4	74.8	27.4	80																		
CINCHONA GARDENS	4900	07	63.9	62.2	18.3	90																		
CINCHONA GARDENS	4900	13	68.3	66.8	21.7	92																		
DALLAS	950	08	76.4	73.8	27.5	89																		
		15	80.8	75.6	28.1	78																		
EAST ALBION	90	08	80.2	73.5	25.2	72																		
		13	87.3	78.0	28.6	65																		
FARM HILL	4020	07	65.8	62.9	18.3	85																		
		13	72.2	67.9	21.3	79																		
HALLS DELIGHT	3020	07	68.0	64.2	18.9	81																		
		13	73.3	66.9	19.6	70																		
IRWIN	80	08	77.0	74.8	28.5	90																		
IRWIN	80	15	82.9	77.4	29.7	77																		
KINGSTON	90	07	77.7	73.1	25.7	80																		
		13	86.4	77.4	28.1	65																		
N. MANLEY AIRPORT	10	01	81.0				1011.7	3.0	2.0	1	20	7	2	0	0	0	0	0	0	0	0	0	0	30
		07	80.7				1012.0	3.1	3.7	0	12	9	9	0	0	0	0	0	0	0	0	0	0	30

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS NOVEMBER 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths) MEAN AMT	Number of Observations 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards 0-440	440-1,100	1,100-2,200	miles 1/4-2	2-3	3-5	5-10	10 or more
JAMAICA																							
N. MANLEY AIRPORT	10	13	88.2				1011.4	9.8	4.6	0	7	9	14	0	0	0	0	0	0	0	0	0	30
		19	83.3				1011.2	7.0	3.7	0	9	15	6	0	0	0	0	0	0	0	0	0	30
MARSHALLS PEN	2300	07	67.0					1.5	2.8	10	9	2	6	0	3								
MASON RIVER	2300	07	69.3	68.3	23.1	95																	
		13	79.1	72.9	24.9	73																	
MONYMUSK	30	08	79.9	75.1	27.6	79																	
		15	88.5	76.1	28.3	62																	
MORANT PT. L.H.	6	01	80.0	76.3	29.4	84	1012.6	10.5	3.8	1	9	10	10	0	0	0	0	0	0	0	0	0	30
		07	79.6	76.2	29.5	86	1012.4	10.0	4.7	0	6	12	11	1	0	0	0	0	0	0	0	0	30
		13	84.0	79.0	31.6	79	1012.5	10.3	4.7	0	6	10	12	2	0	0	0	0	0	0	0	0	30
MORANT PT. L.H.	6	19	81.7	77.6	30.5	82	1011.9	10.8	3.3	1	13	10	4	2	0	0	0	0	0	0	0	0	30
ORANGE RIVER	980	08	75.5	73.7	27.7	92																	
		16	79.8	77.3	30.9	89																	
D. SANGSTER AIRPORT	5	01	76.8	73.3	26.6	84	1011.9	1.4	2.6	1	19	4	6	0	0	0	0	0	0	0	0	0	30
		07	76.8	73.1	26.4	84	1012.4	2.4	3.6	0	16	2	11	1	0	0	0	0	0	0	0	0	30
D. SANGSTER AIRPORT	5	13	84.4	76.6	28.4	70	1011.4	11.6	4.0	0	13	4	12	1	0	0	0	0	0	0	0	0	30
		19	79.1	74.2	27.0	80	1011.7	4.1	4.1	0	8	13	8	1	0	0	0	0	0	0	0	0	30
SMITHFIELD	925	08	77.4	74.5	27.8	87																	
		13	80.7	76.2	28.8	80																	
TOP MOUNTAIN	3550	08	66.7	64.1	19.2	86																	
TOP MOUNTAIN	3550	13	73.0	68.9	22.3	81																	
WORTHY PARK	1250	07	69.4	68.3	23.3	95																	
		13	80.4	74.0	25.8	73																	

TABLE II SUMMARY OF DAILY OBSERVATIONS NOVEMBER 1977

COUNTRY STATION	RAINFALL (inches)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN			MEAN MAX A	MEAN MIN B	MEAN ½(A+B)	EXTREMES				THUNDER	FOG	HAIL	GALE
				.04	.40	1.00				MAX	MIN						
JAMAICA																	
ALCAN	1.41	.58	5	9	1	0	82.1	63.6	72.9	85	60						
BERNARD LODGE	.85	.51	22	4	1	0	90.6	70.4	80.5	94	67						
BODLES	1.57	.54	4	7	1	0	89.5	70.0	79.8	93	67		248.7				
CARNWOOD	9.12	2.00	25	16	9	3	83.4	56.3	69.9	87	52						
CEDAR VALLEY	2.94	1.12	15	9	2	1	83.2	64.5	73.9	86	60						
CINCHONA GARDENS	5.76	2.06	14	6	4	2	70.2	54.4	62.3	72	53						
DALLAS	1.94	.31	8	11	0	0											
EAST ALBION	1.17	.28	24	6	0	0	89.5	74.0	81.8	92	72		207.7				
FARM HILL	4.67	1.64	14	13	4	1	74.4	61.9	68.2	77	59						
FROME	6.30	1.35	6	8	7	2	89.0	71.3	80.2	90	68		199.1				
HALLS DELIGHT	4.43	2.70	10	8	2	1	78.4	63.3	70.9	84	60						
IRWIN	6.37	1.26	25	9	6	2	89.2			94							
KINGSTON	1.31	.52	14	4	2	0	89.3	75.2	82.3	92	73						
N. MANLEY AIRPORT	.35	.26	23	2	0	0	88.5	76.7	82.6	92	74		230.0				
MARSHALLS PEN	1.67	1.09	5	6	1	1	80.6	65.5	73.1	85	62	64.6					
MASON RIVER	1.48	.35	4	8	0	0	79.6	64.8	72.2	82	62						
MONYMUSK	.77	.39	5	4	0	0	91.8	71.0	81.4	95	66		239.1				
MORANT PT. L.H.	6.81	2.38	24	12	4	3	85.7	75.7	80.7	88	70			3	0	0	0
ORANGE RIVER	11.01	4.94	27	14	4	2	84.8	69.1	77.0	88	67		201.6				
D. SANGSTER AIRPORT	8.94	2.22	25	13	8	4	86.1	74.6	80.4	90	71		226.6	5	0	0	0
SMITHFIELD	6.50	3.25	13	9	3	2	82.8	65.9	74.4	86	63		227.2				
TOP MOUNTAIN	4.83	2.40	14	18	2	1	75.5	61.5	68.5	82	55						
WORTHY PARK	1.40	.60	14	5	2	0	85.2	65.7	75.5	87	60		198.0				

TABLE III – SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS NOVEMBER 1977

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)			SOIL TEMPERATURES °F At 2 inch depth					At 4 inch depth				TOTAL RADIATION (langleys)		
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	MEAN MAX	MEAN MIN	EXTREMES MAX	DATE	MIN	MEAN MAX	MEAN MIN	EXTREME MAX	MIN	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
JAMAICA																	
ALCAN			4.24	.21	12										15118	638	338
BODLES	59	96	5.90	.32	13										15519	592	319
CEDAR VALLEY	5	21	4.26M	.38	2												
EAST ALBION	5	32	5.22M	.24	21												
N. MANLEY AIRPORT	70	176	7.67	.45	29										16194	661	311
MONYMUSK			4.51M	.28	23												
ORANGE RIVER	1	6													12692	521	272
D. SANGSTER AIRPORT	54	123													11249	519	269
SMITHFIELD	35	92															
TOP MOUNTAIN	16	51															
WORTHY PARK	27	66	3.92	.17	5												

TABLE IV – SUMMARY OF RAINFALL INTENSITY RECORDS NOVEMBER 1977

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
JAMAICA								
ALCAN	.08	.10	.12	.20	.24	.40	.58	.58
BODLES	.15	.30	.33	.37	.50	.54	.54	.54
EAST ALBION	.13	.19	.19	.19	.20	.20	.20	.28
FARM HILL	.33	.60	.80	1.16	1.44	1.51	1.62	1.64
N. MANLEY AIRPORT	.11	.17	.20	.26	.26	.26	.26	.26
MASON RIVER	.15	.24	.25	.29	.33	.35	.35	.35
ORANGE RIVER	.17	.30	.39	.39	.39	.39	.43	.55
SMITHFIELD	.37	.74	.88	.95	1.47	1.90	3.25	3.25
TOP MOUNTAIN	.35	.45	.65	1.00	1.70	2.13	2.24	2.40

TABLE V – SUMMARY OF WINDSPEED RECORDS NOVEMBER 1977

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
JAMAICA												
CRAWFORD	11	14	13	29	36	30	1745	12	0	0	0	3.0
D. SANGSTER AIRPORT	3	22	20	13	3	29	2340	13	0	0	0	5.5

TABLE VI – SUMMARY OF SUNSHINE RECORDS NOVEMBER 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19					NIL	0·1–3·0	3·1–6·0	6·1–9·0	9·1–12·0	MORE THAN 12
JAMAICA																								
BODLES	0	2	75	89	87	83	85	88	91	84	73	56	16	0	248.7	73	10.4	3	0	0	3	13	14	0
CRAWFORD	0	7	74	84	91	94	87	86	81	78	71	54	0	0	242.3	71	10.2	5	0	1	3	16	10	0
EAST ALBION	0	13	62	65	81	74	71	69	64	66	66	54	8	0	207.7	61	10.0	16	0	2	7	14	7	0
N. MANLEY AIRPORT	0	25	74	74	80	81	77	75	72	71	73	61	4	0	230.0	68	10.6	2	0	3	5	9	13	0
MONYMUSK	0	0	27	87	89	91	93	91	84	90	89	55	1	0	239.1	70	9.3	3	0	0	4	22	4	0
ORANGE RIVER	0	0	34	63	72	78	80	79	80	70	64	44	8	0	201.6	59	9.8	7	0	3	7	16	4	0
D. SANGSTER AIRPORT	0	2	62	79	80	82	78	81	78	69	68	56	18	0	226.6	67	10.4	3	0	3	3	12	12	0
SMITHFIELD	0	25	77	83	82	83	82	79	68	63	61	45	9	0	227.2	67	11.0	6	0	2	7	9	12	0

TABLE 1 SUMMARY OF OBSERVATIONS AT FIXED HOURS DECEMBER 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths): MEAN AMT	Number of Observations: 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards: 8-440	440-1,100	1,100-2,200	metres: 1½-2	2-3	3-5	5-10	10 or more
JAMAICA																							
ALCAN	2060	07	72.8	68.4	21.8	80																	
BERNARD LODGE	55	07	76.5	74.5	28.3	91																	
BODLES	50	07	74.8	72.5	26.4	90																	
		13	85.0	77.4	28.8	70																	
CAERWOOD	40	08	74.9	72.2	25.8	87																	
CAERWOOD	40	15	80.3	75.5	28.0	79																	
CEDAR VALLEY	1980	07	70.3	68.1	22.6	90																	
		16	77.1	71.9	24.6	77																	
CINCHONA GARDENS	4900	07	61.7	59.8	16.8	90																	
		16	67.7	66.2	21.2	92																	
DALLAS	950	08	76.2	72.1	25.2	82																	
DUCKENFIELD	160	08	81.3	75.7	27.8	77																	
EAST ALBION	90	08	78.2	72.9	25.3	77																	
		13	85.4	76.3	26.9	65																	
FARM HILL	4020	07	64.1	61.8	17.9	88																	
FARM HILL	4020	13	70.0	64.8	18.6	75																	
IRWIN	80	07	76.9	74.3	27.7	88																	
		16	81.9	76.3	28.6	77																	
KINGSTON	90	07	75.6	71.4	24.4	81																	
		13	85.8	76.2	26.6	64																	

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS DECEMBER 1977

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °F	WET BULB °F	VAPOUR PRESS mb	REL HUM %	MEAN PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eighths): MEAN AMT	Number of Observations: 0	1, 2	3-5	6, 7	8	9	VISIBILITY (No of Observations) yards: 0-440	440-1,100	1,100-2,200	miles: 1/4-2	2-3	3-5	5-10	10 or more
JAMAICA																							
N. MANLEY AIRPORT	10	01	79.5	73.9	26.5	77	1013.6	4.9	2.4	2	20	4	4	0	0	0	0	0	0	0	0	0	30
		07	78.5	73.1	25.8	78	1013.0	6.0	4.1	0	11	8	12	0	0	0	0	0	0	0	0	0	31
		13	86.2	76.3	27.2	64	1013.4	14.3	4.5	0	4	15	11	1	0	0	0	0	0	0	0	0	31
		19	81.5	75.0	27.1	74	1012.9	8.9	3.6	0	13	9	9	0	0	0	0	0	0	0	0	0	31
MARSHALLS PEN	2300	13	79.3	70.5	21.6	64																	
MASON RIVER	2300	07	67.9	66.8	21.9	94																	
		13	77.9	72.2	24.4	75																	
		19	69.3	67.7	22.4	92																	
MONYMUSK	30	08	77.2	73.7	26.9	85																	
		15	84.0	76.4	27.7	70																	
MORANT PT. L.H.	6	01	80.2	76.4	29.4	84	1013.5	1.3	4.4	0	6	15	9	1	0	0	0	0	0	0	0	0	31
		07	79.5	76.0	29.1	84	1013.5	13.5	5.5	0	4	9	13	5	0	0	0	0	0	0	0	0	31
		13	82.9	78.0	30.6	80	1013.6	1.2	4.7	0	5	15	9	2	0	0	0	0	0	0	0	0	31
		19	80.9	77.0	30.0	83	1013.3	12.7	4.0	1	9	13	6	2	0	0	0	0	0	0	0	0	31
ORANGE RIVER	980	08	73.4	71.7	26.1	92																	
ORANGE RIVER	980	16	77.3	75.3	29.1	91																	
D. SANDSTER AIRPORT	5	01	75.0	70.9	24.0	81	1014.0	1.7	2.4	3	16	5	5	1	0	0	0	0	0	0	0	0	30
		70	73.8	70.5	24.1	84	1014.2	1.0	4.0	0	14	6	10	0	0	0	0	0	0	0	0	0	30
		13	83.0	75.0	26.2	68	1013.4	10.8	4.6	0	8	8	13	2	0	0	0	0	0	0	0	1	30
		19	77.8	73.0	25.7	79	1013.6	3.8	4.7	0	7	9	14	1	0	0	0	0	0	0	0	1	30
SMITHFIELD	925	08	74.8	72.2	25.8	88																	
		13	79.0	75.3	28.3	84																	
	3550	08	65.6	62.9	18.4	86																	
		13	72.5	67.6	20.9	77																	
WORTHY PARK	1250	07	66.8	65.8	21.3	95																	
		15	78.8	72.2	24.0	72																	

TABLE II SUMMARY OF DAILY OBSERVATIONS DECEMBER 1977

COUNTRY STATION	RAINFALL (inches)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN			MEAN MAX A	MEAN MIN B	MEAN ½(A+B)	EXTREMES				THUNDER	FOG	HAIL	GALE
				.04	.40	1.00				MAX	MIN						
JAMAICA																	
ALCAN	3.97	.87	14	17	3	0	79.2	63.3	71.3	82	59		181.2				
BERNARD LODGE	1.45	.47	22	5	2	0	89.4	68.1	78.8	92	65						
BODLES	3.25	.96	11	10	2	0	87.1	69.2	78.2	91	66		211.4				
CAERWOOD	21.57	5.00	22	20	14	9	81.3	53.0	67.2	86	49						
CEDAR VALLEY	7.43	1.23	30	19	7	3	79.8	64.7	72.3	83	61						
CINCHONA GARDENS	4.92	1.35	30	14	3	2	69.1			71							
DALLAS	2.61	1.21	21	5	2	1	85.4			91							
DUCKENEFIELD	10.83	2.65	22	17	8	4		72.3			64						
EAST ALRION	4.13	.81	14	14	5	0	87.2	73.5	80.4	90	71		212.4				
FARM HILL	4.18	1.21	30	31	3	1	74.0	61.6	67.8	77	56						
FORME	2.83	1.37	28	5	3	1											
IRWIN	8.67	3.40	22	6	4	4	87.1			91							
KINGSTON	3.77	2.83	22	5	2	1	87.9	73.6	80.8	93	69			3	0	0	0
N. MANLEY AIRPORT	2.19	1.35	22	6	1	1	86.9	75.0	81.0	90	70		219.4	1	0	0	0
MARSHALLS PEN	4.18	1.00	12	9	5	1	80.9	61.6	71.3	85	57	61.2					
MASON RIVER	4.14	1.14	30	12	5	1	78.3	63.6	71.0	83	60						
MONYMUSK	3.28	.49	22	12	2	0	88.7	70.1	79.4	92	67						
MORANT PT. L.H.	11.00	3.42	22	13	6	3	84.2	76.4	80.3	86	71			2	0	0	0
ORANGE RIVER	12.99	5.30	30	18	4	4	82.6	67.7	75.2	86	65		227.8				
D. SANGSTER	3.75	1.48	22	9	3	1	84.4	72.1	78.3	87	69		213.4	3	0	0	0
SMITHFIELD	3.98	.97	18	8	5	0	80.9	63.8	72.4	86	61		196.6				
TOP MOUNTAIN	5.39	1.23	22	14	3	2	76.1	60.7	68.4	80	69						
WORTHY PARK	3.79	.93	26	10	4	0	82.7	60.1	71.4	86	59		166.0				

TABLE III – SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS DECEMBER 1977

COUNTRY STATION	RUN OF WIND (n. miles)		EVAPORATION (inches)			SOIL TEMPERATURES °F At 2 inch depth					At 4 inch depth				TOTAL RADIATION (langleys)		
								EXTREMES					EXTREME				
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	MEAN MAX	MEAN MIN	MAX	DATE	MIN	MEAN MAX	MEAN MIN	MAX	MIN	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
JAMAICA																	
ALCAN			3.23	.18	20										13774	553	284
BODLES	70	122	4.79	.30	8										14073	523	348
CEDAR VALLEY	11	29															
DUCKENFIELD	74	197															
EAST ALBION	11	30	6.96	.45	21												
N. MANLEY AIRPORT	102	198	7.27M	.39	7										16203	649	176
ORANGE RIVER	1	13	3.67M	.20	18										12349	530	196
D. SANGSTER AIRPORT	60	136	5.12	.31	13												
SMITHFIELD	29	83	2.86	.23	24	81.5	70.0	87	5	62	80.0	73.2	84	72	10015	569	113
TOP MOUNTAIN	13	55															
WORTHY PARK	28	80	3.01	.14	9												

TABLE IV – SUMMARY OF RAINFALL INTENSITY RECORDS DECEMBER 1977

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
JAMAICA								
ALCAN	.20	.24	.27	.34	.41	.55	.79	.87
BODLES	.40	.66	.70	.96	.96	.96	.96	.96
CEDAR VALLEY	.20	.28	.48	.61	.72	1.00	1.20	1.20
EAST ALBION	.20	.26	.35	.50	.54	.55	.57	.81
FARM HILL	.13	.24	.30	.52	.86	1.01	1.21	1.21
HALLS DELIGHT	.16	.18	.20	.24	.56	.56	.59	.81
N. MANLEY AIRPORT	.42	.50	.55	.80	.82	.87	.92	1.35
MASON RIVER	.30	.50	.52	.54	.56	.87	1.03	1.14
SMITHFIELD	.28	.55	.56	.64	.74	.97	.97	.97
TOP MOUNTAIN	.20	.25	.35	.50	.50	.64	1.09	1.41

TABLE V – SUMMARY OF WINDSPEED RECORDS DECEMBER 1977

COUNTRY STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
JAMAICA												
BODLES	13	10	16	07	13	18	1550	7	0	0	0	2.7
N. MANLEY AIRPORT	11	24	14	16	12	28	1510	6	0	0	0	9.5
D. SANGSTER AIRPORT	3	23	23	22	3	30	2220	22	0	0	0	2.4

TABLE VI – SUMMARY OF SUNSHINE RECORDS DECEMBER 1977

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT OF POSSIBLE	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19					NIL	0.1-3.0	3.1-6.0	6.1-9.0	9.1-12.0	MORE THAN 12
JAMAICA																								
ALCAN	0	2	49	66	74	74	80	71	67	57	43	5	0	0	181.2	53	8.8	10	0	3	13	15	0	0
BODLES	0	3	60	80	76	81	83	81	74	59	48	37	5	0	211.4	61	9.7	3	0	2	7	19	3	0
EAST ALBION	0	7	50	57	78	83	77	75	74	76	65	47	0	0	212.4	62	10.1	31	1	4	4	16	6	0
N. MANLEY AIRPORT	0	3	47	71	78	83	82	81	79	78	65	43	1	0	219.4	64	9.7	2	1	2	5	16	7	0
ORANGE RIVER	0	2	38	81	89	83	85	81	81	76	70	49	1	0	227.8	66	9.6	2	1	9	15	6	0	0
D. SANGSTER AIRPORT	0	2	58	70	79	80	77	77	75	75	64	36	1	0	213.4	62	10.0	1	0	3	6	16	6	0
SMITHFIELD	0	24	78	76	78	84	78	67	52	43	35	23	1	0	196.6	57	9.9	5	3	8	16	4	0	0