

MONTHLY WEATHER SUMMARY

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**October
1973**

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TABLE I - SUMMARY OF OBSERVATIONS AT FIXED HOURS OCTOBER 1973

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY				MEAN PRESS.	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eights)							VISIBILITY (no. of observations)								
			DRY BULB	WET BULB	VAPOR PRESS.	REL HUM	REDUCED TO MSL		Number of observations							YARDS			Miles					
			° F	° F	mb tenths	%	mb & tenths		0	1,2	3-5	6,7	8	9	0 TO 440	440 TO 1100	1100 TO 2200	1.25 TO 2	2 TO 3	3 TO 5	5 TO 10	> 10 20		
		20	76.7	75.7	30.0	96	1010.0	1.8	5.9	0	3	6	17	5	0	0	0	0	0	0	1	0	10	20

TABLE II - SUMMARY OF DAILY OBSERVATIONS OCTOBER 1973

COUNTRY STATION	RAINFALL(ins)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	DAYS WITH, OR GREATER THAN			MEAN MAX A	MEAN MIN B	MEAN (A+B)/2	EXTREMES				T H U N	F O G	H A I L	G A L E
				.04	.40	1.00				MAX	MIN						
TRINIDAD																	
CENTENO	13.73	2.42	1	22	9	6	85.7	72.7	79.2	91	69		166.7				
PENAL AG STATION	7.78	1.36	15	21	9	1	87.1					90	144.1				
PIARCO AIRPORT	12.41	2.17	1	22	8	3	86.9	72.4	79.6	90	70	70.6	181.4	7	3	0	0
ST AUGUSTINE UWI	9.91	1.89	1	19	10	4	86.9	71.6	79.3	90	68		190.0	3	0	0	0
TOBAGO																	
CROWN POINT APT	10.35	2.53	9	20	6	3	85.5	75.1	80.3	87	72	72.5	203.7	4	0	0	0
LOUIS D'OR	13.55	1.67	18	22	11	4	85.4	74.8	80.1	87	71		183.4				
BARBADOS																	
HUSBANDS CMI	5.31	1.44	2	15	5	1	85.2	73.7	79.5	89	70		225.6				
SEAWELL AIRPORT	6.63	1.53	8	14	4	3	86.2	76.1	81.2	88	69		243.9				
ST LUCIA																	
HEWANORRA APT	9.15	2.60	8	18	6	3	86.4	75.8	81.1	87	71			3	0	0	0
ROSEAU WINBAN	11.24	2.03	7	22	10	3	86.5	72.8	79.7	90	69		247.2				
VIGIE AIRPORT	10.45	2.10	3	21	11	2	86.9	74.2	80.6	88	69			1	0	0	0
DOMINICA																	
MELVILLE HALL AP	7.06	.66	29	22	7	0	86.1	73.9	80.0	88	70		248.9				
MONTSERRAT																	
GROVE	3.37	1.17	10	12	2	2	86.9	74.6	80.7	90	73		255.7				
ANTIGUA																	
COOLIDGE AIRPORT	3.74	1.07	9	14	3	1	85.7	76.8	81.3	88	73						

TABLE II - SUMMARY OF DAILY OBSERVATIONS OCTOBER 1973

COUNTRY	RAINFALL(ins)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH					
	TOTAL AMOUNT	MOST IN A DAY	DATE	DAYS WITH, OR GREATER THAN			MEAN MAX A	MEAN MIN B	MEAN (A+B)/2	EXTREMES				T	H	F	G		
				.04	.40	1.00				MAX	MIN								
TRINIDAD																			
ST KITTS NEVIS																			
CAINES	2.39	.65	10	10	1	0													
CUNNINGHAM	4.08	1.15	9	10	5	1													
NEEDMUST	2.79	.90	7	11	2	0	87.9	73.9	80.9	90	70								
BR VIRGIN IS																			
PARAQUITO BAY	2.74	1.18	11	9	1	1	86.9	77.7	82.3	89	74		271.0						
JAMAICA																			
ALLSIDES	17.49	2.32	30	13	8	5	80.7	66.4	73.6	84	65								
BERNARD LODGE	15.66	7.00	16	11	5	3	88.8	70.4	79.6	92	67		175.5						
BODLES	18.15	6.87	17	12	5	3		70.7			68		192.4						
CAENWOOD	8.94	2.65	17	17	9	2		74.4			70								
CEDAR VALLEY	26.95	7.00	18	15	11	7	81.0	64.9	73.0	85	62								
CINCHONA GARDENS	26.86	10.75	16	18	8	4	70.8	58.1	64.5	76	57								
DALLAS	21.91	9.50	16	12	5	3	84.5	68.0	76.3	88	65								
DUCKENFIELD	25.29	3.09	15	23	12	7	86.3	73.4	79.8	90	69		158.3						
EAST ALBION NURS	20.97	5.31	17	15	9	6	87.6	74.7	81.2	91	72								
EMPIRE NURSERY	23.19	9.27	16	15	7	4		63.6			60								
FARM HILL	33.74	11.31	18	16	13	6	74.7	53.7	64.2	78	53								
FROME	11.88	2.83	16	17	10	3	89.3	71.3	80.3	92	68		190.5						
HALLS DELIGHT	23.42	11.01	16	18	7	4	78.0	63.7	70.8	82	61								
IRWIN	22.15	4.54	26	22	11	8	89.4	71.3	80.3	93	69								
KINGSTON ST GEO	17.97	7.40	16	12	7	3	89.3	74.1	81.7	94	71								
N.MANLEY AIRPORT	16.59	3.95	17	9	6	3	88.1	76.2	82.2	92	73		183.0	9	0	0	0		
MARSHALLS PEN	24.29	9.00	16	18	9	4	81.1	64.0	72.6	85	60	63.6		9	0	0	0		
MASON RIVER FIEL	19.39	5.52	17	18	13	6	80.2	65.0	72.6	84	60								
MONYMUSK	16.96	5.72	18	15	8	5	89.8	69.0	79.4	94	67								
MORANT POINT LH	22.50	4.80	17	15	11	7	85.7	77.5	81.6	88	72			11	0	0	0		
ORANGE RIVER	16.10	3.65	16	15	10	5	83.8	70.0	76.9	86	67								
D.SANGSTER APT	9.12	2.45	17	16	6	3	87.1	76.9	82.0	91	72		182.7	7	0	0	0		

TABLE II - SUMMARY OF DAILY OBSERVATIONS OCTOBER 1973

COUNTRY STATION	RAINFALL(ins)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH				
	TOTAL AMOUNT	MOST IN A DAY	DATE	DAYS WITH, OR GREATER THAN			MEAN MAX A	MEAN MIN B	MEAN (A+B)/2	EXTREMES				T H U N	F O G	H A I L	G A L E	
				.04	.40	1.00				MAX	MIN							
TRNIDAD																		
SMITHFIELD	23.76	3.54	16	22	16	7	83.0	67.7	75.4	86	73		157.0					
TOP MOUNTAIN	42.23	16.20	16	10	8	4	78.7	62.3	70.5	81	61							
WORTHY PARK	21.98	7.04	17	20	10	5	83.7	63.5	73.6	88	60		119.0					

TABLE II - SUMMARY OF DAILY OBSERVATIONS OCTOBER 1973

COUNTRY	RAINFALL(ins)						AIR TEMPERATURE °F					MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH					
	TOTAL AMOUNT	MOST IN A DAY	DATE	DAYS WITH, OR GREATER THAN			MEAN MAX A	MEAN MIN B	MEAN (A+B)/2	EXTREMES				T H U N	F O G	H A I L	G A L L		
				.04	.40	1.00				MAX	MIN								
TRINIDAD																			
CAYMAN ISLANDS																			
WEST BAY	12.01	2.57	2	15	10	5	86.1	75.5	80.8	88	72		199.2						
BELIZE																			
BELIZE AIRPORT	12.02	1.61	6	17	6	4	85.0	73.4	79.2	89	70		173.8	7	4	0	0		
GUYANA																			
BARTICA POTARO	9.95	1.90	15	15	9	3	89.9	71.2	80.5	93	68								
CAMP JAGUAR	4.21	1.18	8	13	4	1	89.7	73.8	81.7	93	69	71.3	232.1						
DAWA	31.60	5.15	8	28	16	8													
EBINI	7.71	1.19	14	15	8	3	90.4	72.9	81.6	93	71	69.9	207.7	20	12	0	0		
FRIENDSHIP	5.98	.92	6	21	6	0	88.9	72.5	80.7	92	71		210.7						
GEORGETOWN BOT G	13.72	3.11	3	21	7	5	86.1	75.4	80.7	87	71	73.2	185.4	8	0	0	0		
GREAT FALLS	8.27	1.14	20	16	8	2	88.5	72.8	80.7	91	69	70.1		17	19	0	0		
HOSORORO	14.89	1.32	17	26	11	7													
ITABRU FALLS	5.54	.61	5	17	6	0	90.8	73.6	82.2	94	72	72.3		12	0	0	0		
KAIETEUR FALLS	13.34	2.14	13	25	11	4	83.1	70.9	77.0	88	68	70.3	189.3	4	7	0	0		
KAMARANG	8.61	1.69	26	15	7	2	85.7	68.7	77.2	88	65	67.2	183.4	12	16	0	0		
LETHEM	2.56	1.09	15	6	3	1	91.7	74.1	82.9	94	72			9	0	0	0		
MABARUMA	14.88	1.73	3	25	15	5	86.0	72.8	79.4	92	70			17	1	0	0		
MON REPOS	10.80	1.93	3	18	11	3	86.1	73.4	79.7	89	70		183.1						
NEW AMSTERDAM	3.47	.91	3	16	2	0	88.3	74.8	81.6	91	73								
PLANTAIN ISLAND	8.87	.87	21	22	11	0								28	9	0	0		
PORT KAITUMA	10.23	1.37	17	21	10	4	87.7	69.5	78.6	91	65			8	0	0	0		
SKELDON FRONT	5.59	2.72	21	12	4	1	89.5	73.2	81.3	91	70	72.4	196.3						
TIMEHRI AIRPORT	8.09	1.54	2	19	7	4	87.4	72.9	80.1	91	71			10	3	0	0		

TABLE III - SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS OCTOBER 1973

COUNTRY	RUN OF WIND		EVAPORATION			SOIL TEMPERATURE				
	(n. miles)		(ins)			At 2 inch				
	DAILY MEAN	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	Mean Max	Mean Min	EXTREMES		
STATION								MAX	DATE	
TRINIDAD										
CENTENO	29	66	4.39M	.24	20					
PENAL AG STATION	33	60	4.99	.33	21					
PIARCO AIRPORT	75	116	5.44	.39	1					
ST AUGUSTINE UWI	97	175	3.80	.18	13					
TOBAGO										
CROWN POINT APT	89	148	6.74	.42	21					
LOUIS D'OR	22	44	5.93	.32	5					
BARBADOS										
HUSBANDS CMI	80	147	6.97	.40	2	92.3	79.6	95		1
MONTSERRAT										
GROVE	113	207								
ST KITTS NEVIS										
NEEDSMUST			6.89	.30	17					
BR VIRGIN IS										
PARAQUITO BAY	114	166	8.87	.40	31					
JAMAICA										
ALLSIDES	90	162								
BODLES	42	131	5.50M	.29	1					
CEDAR VALLEY	15	25								
EAST ALBION NURS	29	57	4.68M	.31	14					
EMPIRE NURSERY	5	20	3.37M	.38	19					
FARM HILL	24	115								
HALLS DELIGHT	28	106								
N.MANLEY AIRPORT	78	153	6.11M	.37	3					
ORANGE RIVER	37	106								
SMITHFIELD	60	248				83.1	72.7	88		22
WORTHY PARK	21	72	3.24	.15	8					
CAYMAN ISLANDS										
WEST BAY	89	165	5.35	.32	12	91.2	78.8	97		23
GUYANA										
CAMP JAGUAR			6.28	.25	5	87.00	80.70	90.00		1
EBINI	47	64	6.36	.29	24					
FRIENDSHIP	42	62	5.17	.26	26					
GEORGETOWN BOT G	42	59	4.62	.24	1					
GREAT FALLS			4.05	.23	2					
ITABRU FALLS			5.01	.26	24					
KAIETEUR FALLS	36	49	5.61	.32	13					
KAMARANG	67	99	5.91	.37	22					
PLANTAIN ISLAND			3.64	.22	16					

TEMPERATURES ° F					TOTAL RADIATION (langley's)		
	At 4 inch				TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
	Mean Max	Mean Min	MAX	MIN			

73 84.6 77.7 95 74

13391 568 194

16303 699 206

71 80.8 74.6 89 74 11868 626 117
10112 480 87

77 11974 558 147

79 85.7 82.4 88 79

10994 560 96

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS OCTOBER 1973

COUNTRY STATION	MAXIMUM AMOUNTS (ins) 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	.36	.68	.88	1.40	1.95	1.96	2.19	2.73
PENAL AG STATION	.32	.44	.52	.60	.92	1.36	1.36	1.36
PIARCO AIRPORT	.42	.56	.71	1.12	1.52	1.59	2.15	2.35
ST AUGUSTINEUWI		.30	.45	.70	.82	.92	1.13	1.24
TOBAGO								
CROWN POINT APT	.39	.79	.82	.82	.84	.99	1.40	2.12
BARBADOS								
HUSBANDS CMI	.20	.31	.31	.34	.42	.91	1.34	1.44
SEAWELL AIRPORT	.17	.22	.55	.64	.64	.85	1.09	1.11
BR VIRGIN IS								
PARAQUITO BAY	.29	.37	.37	.43	.52	.73	1.17	1.18
ROAD TOWN	.40	.42	.45	.45	.45	.45	.45	.45
JAMAICA								
SMITHFIELD	.41	.83	1.00	1.87	2.07	2.07	2.07	2.07
CAYMAN ISLANDS								
WEST BAY	.39	.63	.71	1.15	1.26	2.39	2.56	2.56
GUYANA								
APAIKWA	.29	.50	.66	.95	1.26	1.28	1.44	1.64
APOTERI	.27	.50	.49	.94	1.44	1.98	2.09	2.12
CAMP JAGUAR	.29	.36	.43	.46	.52	.59	.67	1.18
COOPERS LANDING	.46	.64	1.00	1.40	1.63	1.83	2.88	3.61
EBINI	.26	.52	.76	.93	1.15	1.15	1.19	1.19
FRIENDSHIP								
GEORGETOWNBOT G	.42	.50	.61	.71	.72	.72	.81	.92
GREAT FALLS	.52	.62	.98	1.09	1.20	1.85	2.38	3.11
KAIETEUR FALLS	.33	.54	.83	.98	1.07	1.07	1.11	1.13
	.24	.44	.52	.72	.95	1.39	1.99	2.14

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS OCTOBER 1973

COUNTRY STATION	MAXIMUM AMOUNTS (ins) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
KAMARANG	.40	.56	.80	.84	1.23	1.69	1.69	1.69
KERAHA LDG	.36	.41	.53	.85	1.32	1.92	1.97	1.98
LETHEM	.20	.29	.40	.47	.48	.65	1.03	1.09
MACKENZIE	.31	.44	.68	.80	1.59	1.84	1.86	2.15
MAHAICONY ABARY	.21	.42	.63	.94	1.77	2.46	2.83	2.86
NEW AMSTERDAM	.16	.26	.33	.58	.86	.86	.86	.86
PLANTAIN ISLAND	.29	.46	.50	.63	.70	.70	.86	.87
TIMEHRI AIRPORT	.28	.40	.44	.56	.64	.64	1.00	1.15

TABLE V - SUMMARY OF WINDSPEED RECORDS OCTOBER 1973

COUNTRY	HIGHEST HOURLY WIND (kt)				HIGHEST GUST (kt)				NO. OF HOURS WITH GUST EXCEEDING			MEAN WIND SPEED kt
	DIRN	SPEED	HOUR ENDED	DATE	DIRN	SPEED	TIME LST	DATE	33	47	63	
STATION												
TRINIDAD												
PIARCO AIRPORT	08	15	14	20	10	27	1130	3	0	0	0	5.0
TOBAGO												
CROWN POINT APT	13	18	10	9	16	32	0900	9	0	0	0	6.5
BARBADOS												
HUSBANDS CMI	12	15	10	11	09	36	0830	31	1	0	0	8.0
ANTIGUA												
COOLIDE AIRPORT	16	23	24	28	17	40	2335	18	1	0	0	11.6
GUYANA												
EBIN I	05	12	17	21	05	23	1415	28	0	0	0	3.5
GEORGETOWN BOT G	12	10	11	21	09	21	2125	20	0	0	0	5.2
KAMARANG	09	04	5	1	09	05	1720	1	0	0	0	2.2
TIMEHRI AIRPORT	06	14	14	12	07	28	1035	3	0	0	0	2.5

TABLE VI - SUMMARY OF SUNSHINE RECORDS OCTOBER 1973

COUNTRY	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT POSSIB.	MOST IN A DAY	DATE	DAYS WITH AMOUNTS WITHIN RANGES (hours)					
	5 TO 6	6 TO 7	7 TO 8	8 TO 9	9 TO 10	10 TO 11	11 TO 12	12 TO 13	13 TO 14	14 TO 15	15 TO 16	16 TO 17	17 TO 18	18 TO 19					NIL	0.1 TO 3.0	3.1 TO 6.0	6.1 TO 9.0	9.1 TO 12	> 12
TRINIDAD																								
CENTENO	0	14	48	55	58	59	66	56	49	49	38	27	5	0	166.7	44	10.8	28	2	7	7	10	5	0
PENAL AG STATION	0	5	32	55	59	60	53	56	54	43	20	20	4	0	144.1	39	10.7	16	2	8	10	10	1	0
PIARCO AIRPORT	0	15	50	56	65	58	63	61	53	48	52	54	10	0	181.4	49	11.0	28	2	6	8	7	8	0
ST AUGUSTINE UWI	0	14	56	66	72	59	61	55	57	54	54	48	16	0	190.0	51	11.1	26	1	7	6	9	8	0
TOBAGO																								
CROWN POINT APT	0	15	57	61	61	64	65	70	70	62	58	56	22	0	203.7	55	11.4	28	3	2	9	6	11	0
LOUIS D'OR	0	8	45	56	56	64	68	65	66	64	57	42	2	0	183.4	50	10.4	28	2	6	7	7	9	0
BARBADOS																								
HUSBANDS CMI	0	15	58	82	81	81	75	76	75	76	63	40	6	0	225.6	61	10.3	27	0	5	5	9	12	0
SEAWELL AIRPORT	0	13	65	82	84	87	75	75	77	83	69	59	17	0	243.9	66	11.0	29	0	3	6	6	16	0
DOMINICA																								
MELVILLE HALL AP	0	5	75	88	81	88	88	89	90	75	67	48	5	0	248.9	68	10.3	21	0	1	3	12	15	0
MONTSERRAT																								
GROVE	0	1	28	71	87	89	88	90	90	91	87	77	27	0	255.7	70	10.5	22	0	2	0	17	11	0
BR VIRGIN IS																								
PARAQUITO BAY	0	20	74	89	92	91	91	91	90	88	81	64	2	0	271.0	74	10.6	4	0	1	2	9	19	0
JAMAICA																								
BODLES	0	7	59	75	79	84	77	71	60	46	35	22	6	0	192.4	53	10.4	30	0	0	0	0	0	0
FROME	0	2	62	74	77	78	75	67	53	49	34	34	9	0	190.5	52	9.5	31	0	0	0	0	0	0
N.MANLEY AIRPORT	0	16	47	48	63	72	68	70	63	53	48	30	12	0	183.0	50	10.4	29	2	3	8	9	4	0
D.SANGSTER APT	0	11	54	57	56	70	72	69	52	48	45	45	10	0	182.7	50	10.5	10	3	4	7	11	6	0
SMITHFIELD	0	27	66	60	70	75	69	48	32	19	17	16	7	0	157.0	43	10.1	10	3	4	13	7	4	0

TABLE VI - SUMMARY OF SUNSHINE RECORDS OCTOBER 1973

COUNTRY	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)														TOTAL DURATION (hours)	PERCENT POSSIB.	MOST IN A DAY	DATE	DAYS WITH AMOUNTS WITHIN RANGES (hours)					
	5 TO 6	6 TO 7	7 TO 8	8 TO 9	9 TO 10	10 TO 11	11 TO 12	12 TO 13	13 TO 14	14 TO 15	15 TO 16	16 TO 17	17 TO 18	18 TO 19					NIL	0.1 TO 3.0	3.1 TO 6.0	6.1 TO 9.0	9.1 TO 12	> 12
CAYMAN ISLANDS																								
WEST BAY G C																								
	0	8	49	69	69	74	66	63	58	65	58	51	13	0	199.2	55	10.4	21	2	6	3	7	13	0
BELIZE																								
BELIZE AIRPORT																								
	0	11	29	43	52	59	65	67	64	58	58	47	15	0	173.8	49	10.1	20	2	5	8	11	5	0
GUYANA																								
CAMP JAGUAR																								
	0	2	25	51	67	78	83	90	90	86	83	71	23	0	232.1	62	10.5	10	0	0	8	16	6	0
EBINI																								
	0	3	38	62	75	83	81	77	77	62	57	45	10	0	207.7	56	10.1	10	0	3	10	12	6	0
FRIENDSHIP																								
	0	13	53	72	89	85	75	74	64	58	49	39	8	0	210.7	57	10.8	31	0	1	10	17	3	0
GEORGETOWN BOT G																								
	0	10	46	54	64	71	66	71	72	61	45	35	6	0	185.4	50	9.9	29	0	4	12	12	3	0
KAIETEUR FALLS																								
	0	0	15	36	57	65	71	78	79	72	64	57	17	0	189.3	51	10.1	19	0	3	10	16	2	0
KAMARANG																								
	0	0	19	42	40	58	76	74	80	69	69	49	15	0	183.4	49	9.3	3	0	3	10	16	2	0
MON REPOS																								
	0	10	40	60	66	71	65	65	63	63	51	32	5	0	183.1	49	10.4	10	0	6	7	13	5	0
SKELDON FRONT																								
	0	8	65	80	81	75	75	63	59	47	43	35	2	0	196.3	53	9.4	26	0	2	13	13	3	0