

MONTHLY WEATHER SUMMARY

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**December
1973**

CONTENTS

- 1 Station List
- 2 Station Measurements
- 3 December 1973, Tables I to VI

for this month, the tables are:

Table I: Summary of observations at fixed hours

Table II: Summary of daily observations

Table III: Summary of agrometeorological observations

Table IV: Summary of rainfall intensity records

Table V: Summary of wind speed records

Table VI: Summary of sunshine records

TABLE II - SUMMARY OF DAILY OBSERVATIONS DECEMBER 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	6.43	2.42	5	10	4	2	84.5	67.7	76.1	87	63		190.0				
PENAL AG STATION	5.99	2.63	5	13	3	2	84.5	68.2	76.3	88	64		177.9				
PIARCO AIRPORT	6.10	1.88	5	9	5	2	85.4	69.3	77.4	88	66	66.7	200.0				
ST AUGUSTINE UWI	8.05	2.37	5	11	6	3	84.7	69.3	77.0	87	63		202.4				
TOBAGO																	
CROWN POINT APT	7.00	2.21	5	10	5	2	83.9	72.6	77.9	87	68	67.4	216.1				
LOUIS D'OR	11.00	3.76	5	13	7	3	82.9	72.7	77.8	84	66		222.2				
BARBADOS																	
HUSBANDS CMI	1.75	.34	26	10	0	0	83.9	70.1	77.0	89	62		257.2				
SEAWELL AIRPORT	1.28	.74	5	5	1	0	82.8	70.1	76.5	84	66		250.1				
ST LUCIA																	
BEAUSEJOUR	4.97	2.78	6	14	2	1	83.2			87			221.0				
ROSEAU WINBAN	5.14	2.04	6	12	4	1	83.9	67.7	75.8	87	63		257.0				
VIGIE AIRPORT	2.97	1.42	6	13	1	1	82.7	71.6	77.0	85	66						
DOMINICA																	
MELVILLE HALL AP	4.60	.63	26	23	3	0	82.6	70.0	76.3	85	65		172.6				
ANTIGUA																	
COOLIDGE AIRPORT	1.62	.57	15	8	2	0	81.9	72.2	77.0	83	65						
DUNBARS	.73	.28	16	4	0	0	84.1	68.5	76.3	86	67						
BR VIRGIN IS																	
PARAQUITO BAY	2.84	.55	3	11	3	0	82.5	71.5	77.0	86	66		239.7				

TABLE II - SUMMARY OF DAILY OBSERVATIONS DECEMBER 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 E
				.04	.40	1.00				MAX	MIN						
TRINIDAD BELIZE AIRPORT	2.91	2.04	6	3	2	1	80.5	64.7	72.6	86	54		224.5	1	3	0	0

TABLE II - SUMMARY OF DAILY OBSERVATIONS DECEMBER 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 E		
				.04	.40	1.00				MAX	MIN								
TRINIDAD																			
GUYANA																			
APOTERI	2.28	.62	16	15	1	0													
BARTICA POTARO RD	9.35	2.34	17	16	6	3	89.9	70.1	80.0	92	67								
CAMP JAGUAR	6.14	3.21	10	13	3	1	85.3	71.7	78.5	90	69	70.6	181.2	1	2	0	0		
DAWA	39.48	2.90	2	29	20	15													
FRIENDSHIP	16.05	3.10	29	24	13	4	85.9	71.5	78.7	88	70		156.7						
GEORGETOWN BOT G	28.16	3.21	11	26	20	12	82.5	73.6	78.0	86	70	71.7	112.4	11	0	0	0		
GREAT FALLS	12.95	2.46	3	26	11	2	84.9	71.4	78.2	88	73	68.6		15	26	0	0		
HOSORORO	22.74	5.28	2	26	13	5													
ITABRU FALLS	6.29	1.25	8	21	4	2	88.4	72.7	80.5	91	70	71.5		6	0	0	0		
KAMARANG	15.17	3.95	11	22	9	6	81.6	67.6	74.6	86	65	60.5	104.9	3	6	0	0		
LETHEM	1.75	1.06	14	3	2	1	89.4	73.2	81.5	93	71			1	0	0	0		
MABARUMA	32.12	4.96	2	25	17	11	83.5	71.0	77.3	87	68			2	4	0	0		
MAHAICONY ABARY	20.81	3.37	3	25	15	5	83.2	73.6	78.4	87	72			7	0	0	0		
MAZARUNI PRISON	24.00	3.25	27	19	18	11	85.1	74.6	79.9	88	72			0	12	0	0		
MON REPOS	25.40	3.15	11	26	18	7	82.8	70.8	76.8	86	62		113.0						
NEW AMSTERDAM	18.24	4.29	11	25	12	8	84.7	73.0	78.9	87	72								
PLANTAIN ISLAND	9.92	2.60	11	22	9	1								30	22	0	0		
PORT KAITUMA	16.24	1.89	29	24	15	5	84.6	69.5	77.1	89	64								
ST IGNATIUS	3.55	2.48	11	4	2	1	91.3	74.6	82.9	95	72		232.1						
TIBOKU SITE	18.15	1.96	11	27	18	5	85.2	71.2	78.2	89	70	70.4	113.1	19	8	0	0		
TIMEHRI AIRPORT	28.34	3.60	11	27	16	12	84.2	71.6	77.9	89	70			10	7	0	0		

TABLE III - SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS DECEMBER 1973

COUNTRY	RUN OF WIND		EVAPORATION			SOIL TEMPERATURE				
	(n. miles)		(ins)			At 2 inch				
	STATION	DAILY	MOST	TOTAL	MOST	DATE	Mean Max	Mean Min	EXTREMES	
MEAN		IN A DAY	AMOUNT	IN A DAY	MAX				DATE	MIN
TRINIDAD										
CENTENO	23	67	4.63	.25	31					
PENAL AG STATION	24	45	3.98	.23	13					
PIARCO AIRPORT	59	103	6.54M	.45	22					
ST AUGUSTINE UWI	84	154	3.40	.18	4					
TOBAGO										
CROWN POINT APT	64	95	6.48	.42	6					
LOUIS D'OR	26	51	5.49	.28	31					
BARBADOS										
HUSBANDS CMI	32	82	6.21	.34	9	85.3	73.9	94	1	72
ST LUCIA										
BEAUSEJOUR	180	410	8.20	.39	31					
BR VIRGIN IS										
PARAQUITO BAY	121	185	7.02	.40	6					
JAMAICA										
ALLSIDES	125	228								
BERNARD LODGE			4.35	.20	7					
BODLES	57	124	4.85	.25	19					
EAST ALBION NURS	51	87	5.46	.26	19					
EMPIRE NURERY	5	15	3.26	.35	23					
HALLS DELIGHT										
N.MANLEY AIRPORT	81	170								
ORANGE RIVER	29	56								
D.SANGSTER APT	123	208								
SMITHFIELD	58	139	4.27M	.51	18	79.7	67.1	85	6	63
WORTHY PARK	41	106	3.20	.15	14					
CAYMAN ISLANDS										
WEST BAY	126	225	6.16	.43	20	86.9	72.2	95	5	64
GUYANA										
APOTERI			4.22	.36	24					
CAMP JAGUAR			4.33	.20	25					
FRIENDSHIP	35	53	4.69	.34	18					
GEORGETOWN BOT G	34	85	4.24	.29	1					
GREAT FALLS			3.64	.39	12					
ITABRU FALLS										
KAMARANG	37	63	3.74	.46	17					
MAHAICONY ABARY	101	157								
PLANTAIN ISLAND			3.71	.22	24					
ST IGNATIUS	150	217								
TIBOKU SITE	10	16	3.33	.21	18					

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

10782 517 138

84.7 74.9 94 72

11007 448 237

15718 587 365

78.0 70.1 87 66 11409 503 78
10430 500 52

8282 446 35

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS DECEMBER 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	.40	.48	.53	.74	.80	.90	1.43	1.62
PENAL AG STATION	.25	.36	.52	.59	.80	1.35	1.70	1.85
PIARCO AIRPORT	.24	.41	.45	.59	.76	.79	1.24	1.42
ST AUGUSTINE UWI		.40	.53	1.03	1.10	1.50	1.76	2.17
TOBAGO								
CROWN POINT APT	.20	.39	.59	.59	.74	1.18	1.59	1.79
LOUIS D'OR	.40	.60	.80	.98	1.70	2.15	2.45	2.66
BARBADOS								
HUSBANDS CMI	.18	.24	.28	.33	.33	.34	.34	.34
SEAWELL AIRPORT	.13	.16	.16	.18	.26	.59	.62	.63
BR VIRGIN IS								
PARAQUITO BAY	.16	.20	.24	.32	.37	.37	.43	.43
ROAD TOWN	.12	.17	.20	.20	.29	.32	.36	.36
JAMAICA								
N.MANLEY AIRPORT	.25	.26	.27	.46	.54	.60	1.10	1.47
D.SANGSTER APT	.30	.59	.70	1.20	1.32	2.06	3.59	4.54
SMITHFIELD	.39	.79	.80	1.00	1.00	1.00	1.18	1.18
CAYMAN ISLANDS								
WEST BAY	.51	1.01	1.40	1.75	1.76	1.84	3.11	3.35
GUYANA								
APAIKWA	.31	.40	.50	.68	.73	.78	1.61	2.66
APOTERI	.17	.25	.27	.32	.32	.42	.50	.50
BARTICA DEM. STA	.63	.86	.99	1.43	1.62	1.63	2.32	2.57
CAMP JAGUAR	.31	.42	.62	1.13	1.98	3.07	3.21	3.21
COOPERS LANDING	.38	.61	.78	1.09	1.79	2.09	2.57	2.69
DAWA	.36	.58	.90	1.09	1.27	1.35	2.80	2.80

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS DECEMBER 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
FRIENDSHIP	.41	.48	.62	1.05	1.37	2.27	2.49	3.01
GEORGETOWN BOT G	.60	.88	1.00	1.72	2.01	2.14	2.23	3.19
GREAT FALLS	.26	.34	.61	.82	1.30	1.96	2.39	2.46
KAMARANG	.40	.64	1.00	1.40	1.75	1.75	2.10	3.86
KERAHA LDG	.44	.65	.89	.98	1.93	1.93	1.93	1.94
LETHEM	.16	.30	.39	.58	.60	.84	.84	1.06
MACKENZIE	.26	.32	.44	.73	96.00	1.10	2.22	2.77
MAHAICONY ABARY	.20	.30	.42	.67	1.06	1.35	1.92	2.44
PLANTAIN ISLAND	.29	.37	.59	.60	1.00	1.09	1.50	2.59
NEW AMSTERDAM	.24	.44	.68	1.20	1.90	2.00	2.01	3.87
ST IGNATIUS	.30	.44	.60	1.10	1.70	2.00		
TIBOKU SITE'	.33	.56	.56	.68	.79	.84	1.54	1.91
TIMEHRI AIRPORT	.38	.48	.86	1.46	1.84	2.10	2.68	3.46

TABLE V - SUMMARY OF WINDSPEED RECORDS DECEMBER 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	09	16	11	31	06	29	1135	27	0	0	0	4.3
TOBAGO												
CROWN POINT APT	11	15	14	7	09	27	1130	27	0	0	0	4.3
BARBADOS												
HUSBANDS CMI	08	14	15	27	09	24	2240	27	0	0	0	5.5
ANTIGUA												
COOLIDGE AIRPORT	06	24	4	26	06	35	0320	26	5	0	0	12.2
GUYANA												
GEORGETOWN BOT G	07	12	14	29	13	25	0350	6	0	0	0	5.4
TIMEHRI AIRPORT	02	13	15	27	01	25	1135	17	0	0	0	3.7

TABLE VI - SUMMARY OF SUNSHINE RECORDS DECEMBER 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	12	56	71	67	70	61	62	56	50	51	45	13	0	190.0	53	10.5	31	0	8	6	9	8	0
PENAL AG STATION	0	25	48	70	72	68	57	52	50	47	42	33	11	0	177.9	49	10.9	31	0	9	7	6	9	0
PIARCO AIRPORT	0	18	63	73	75	73	68	65	60	51	43	47	10	0	200.0	56	10.8	11	1	6	6	9	9	0
ST AUGUSTINE UWI	0	13	62	69	78	72	62	62	57	56	57	51	15	0	202.4	57	10.8	11	1	3	10	7	10	0
TOBAGO																								
CROWN POINT APT	0	25	70	72	75	66	70	70	61	62	57	51	24	0	216.1	61	11.3	13	1	5	6	6	13	0
LOUIS D'OR	0	16	71	76	72	71	69	77	69	69	67	55	4	0	222.2	62	10.4	19	1	6	2	7	15	0
BARBADOS																								
HUSBANDS CMI	0	35	82	84	84	90	91	82	74	69	72	58	8	0	257.2	73	10.9	1	0	3	2	9	17	0
SEAWELL AIRPORT	0	12	67	82	82	86	87	87	85	72	72	62	12	0	250.1	71	10.8	1	0	2	3	11	15	0
DOMINICA																								
MELVILLE HALL AP	0	1	37	58	68	69	68	71	67	59	48	28	2	0	172.6	51	9.7	14	0	4	12	12	2	0
BR VIRGIN IS																								
PARAQUITO BAY	0	13	69	82	81	84	85	83	87	73	74	41	0	3	239.7	70	9.9	3	0	0	7	14	10	0
JAMAICA																								
BODLES	0	2	74	85	80	90	89	85	81	72	63	47	2	0	238.6	69	10.2	7	1	1	5	11	13	0
FROME	0	3	51	61	79	78	87	84	80	80	76	60	1	0	219.5	67	10.1	3	1	4	3	10	13	0
N.MANLEY AIRPORT	0	5	73	72	90	93	86	83	74	62	47	37	2	0	224.5	65	10.2	8	0	2	8	7	13	0
D.SANGSTER APT	0	0	57	74	79	73	80	77	75	69	63	44	3	0	216.2	63	10.0	6	1	3	4	13	10	0
SMITHFIELD	0	11	65	65	78	81	82	75	62	47	35	25	0	0	193.6	56	10.3	13	0	5	7	16	3	0
CAYMAN ISLANDS																								
WEST BAY	0	7	57	72	78	81	86	87	75	81	79	55	5	0	237.0	69	10.5	6	1	3	2	11	14	0

TABLE VI - SUMMARY OF SUNSHINE RECORDS DECEMBER 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
BELIZE																								
BELIZE AIRPORT	0	9	45	53	62	78	84	91	85	79	70	55	14	1	224.5	65	10.6	9	0	1	3	14	6	0
GUYANA																								
CAMP JAGUAR	0	2	24	40	48	51	63	71	76	69	65	54	20	0	181.2	49	10.1	9	0	4	10	12	5	0
FRIENDSHIP	0	7	35	49	51	66	58	62	54	39	41	34	10	0	156.7	43	10.5	17	0	7	14	8	2	0
GEORGETOWN BOT G	0	1	32	37	35	33	38	45	39	41	33	27	1	0	112.4	31	9.5	16	2	15	6	4	4	0
KAMARANG	0	0	10	21	28	39	39	48	54	45	40	27	0	0	104.9	30	8.9	17	2	12	9	5	0	0
MON REPOS																								
ST IGNATIUS	0	4	24	35	36	39	39	45	42	41	33	26	1	0	113.0	31	9.3	9	2	14	7	5	3	0
TIBOKU SITE	0	20	48	64	65	74	79	76	78	80	75	69	20	0	232.1	63	10.7	18	1	2	7	7	13	0