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MONTHLY WEATHER SUMMARY

JUN 1 5 2001

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Caribbean Meteorological Institute
Husbands, St. James, Barbados W. I.

PART A
January to December
1999

National Oceanic and Atmospheric Administration

Climate Database Modernization Program

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LASON
Imaging Subcontractor
12200 Kiln Court
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March 28, 2002

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LIST OF STATIONS

COUNTRY	STATION	LAT. (N)		LONG. (W)		Alt.
		DEG	MIN	DEG	MIN	m
GRENADA	Mc Donald College	12	13	61	39	
	Mirabeau	12	08	61	49	
	Point Salines Airport	12	01	61	43	7
ST. VINCENT	E. T. Joshua Airport	13	09	61	13	13
ST. LUCIA	Hewanorra Airport	13	45	60	57	10
	Roseau Winban	13	56	61	02	
DOMINICA	Canefield Airport	15	23	61	24	5
ST. KITTS	National Agric. Corp.	17	18	62	43	
CAYMAN IS	Owen Roberts Airport	19	17	81	21	3

STATION MEASUREMENTS

STATION	SYNOP OBSERVATIONS	TEMPERATURE	HUMIDITY	WIND SPEED & DIRECTION	DAILY WIND MILEAGE	RAINFALL	RAINFALL INTENSITIES	EVAPORATION	SUNSHINE	RADIATION
Mc Donald College		X	X			X				
Mirabeau		X	X			X			X	
Point Salines Airport		X				X				
E. T. Joshua Airport	X	X	X	X						
Roseau Winban		X	X		X	X		X	X	
Canefield Airport	X	X	X	X		X				
National Agric. Corp.		X	X			X		X		
Owen Roberts Airport	X	X	X	X		X				

TABLE I - SUMMARY OF OBSERVATIONS AT FIXED HOURS 1999

COUNTRY / STATION / HEIGHT (above msl)	MONTH	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °C	WET BULB °C	VAPOR PRESS. hPa & tenths	REL HUM %	MEAN PRESS. REDUCE TO MSL hPa & tenths	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eights): MEAN AMT	Number of observations: 0	1,2	3-5	6,7	8	9	VISIBILITY IN km (no. of obs): 0.0 TO 0.3	0.4 TO 0.9	1.0 TO 1.9	2.0 TO 3.1	3.2 TO 4.7	4.8 TO 7.0	7.1 TO 15	> 15
GRENADA																							
Mac Donald	FEB	08	25.3	23.8	28.4	89			6.4	0	0	6	18	4	0								
College	MAR	08	25.7	23.8	28.1	85			5.8	0	0	13	14	4	0								
	APR	08	25.6	22.9	25.9	79			5.8	0	0	11	17	2	0								
	MAY	08	27.5	24.4	28.2	77			4.4	0	0	26	5	0	0								
	JUN	08	25.1	22.6	25.6	80			6.2	0	0	8	19	3	0								
	JUL	08	26.5	24.8	30.0	87			6.4	0	0	6	19	6	0								
	AUG	08	26.7	24.3	28.6	82			5.5	0	0	17	12	2	0								
Mirabeau	JAN	08	25.3	22.6	25.5	80			5.5	0	0	17	10	4	0								
	FEB	08	24.9	22.0	24.4	78			5.9	0	0	12	10	6	0								
143m	MAR	08	25.2	22.6	25.3	79			5.9	0	0	14	9	8	0								
	APR	08	26.6	24.4	28.9	83			6.0	0	0	11	13	6	0								
	MAY	08	27.3	24.7	29.1	80			5.3	0	0	20	9	2	0								
	JUN	08	27.3	25.1	30.2	83			6.3	0	0	7	17	6	0								
	JUL	08	26.9	25.0	30.1	85			6.2	0	0	8	19	4	0								
	OCT	08	27.3	25.5	31.2	87			5.9	0	0	13	13	5	0								
	NOV	08	26.9	25.1	30.4	86			5.6	0	1	13	13	3	0								
	DEC	08	25.8	24.2	28.9	87			6.4	0	0	9	15	7	0								

TABLE I - SUMMARY OF OBSERVATIONS AT FIXED HOURS 1999

COUNTRY / STATION / HEIGHT (above msl)	MONTH	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °C	WET BULB °C	VAPOR PRESS. hPa & tenths	REL HUM %	MEAN PRESS. REDUCE TO MSL hPa & tenths	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eights): MEAN AMT	Number of observations: 0	1,2	3-5	6,7	8	9	VISIBILITY IN km (no. of obs): 0.0 TO 0.3	0.4 TO 0.9	1.0 TO 1.9	2.0 TO 3.1	3.2 TO 4.7	4.8 TO 7.0	7.1 TO 15	> 15
ST.VINCENT																							
E.T.Joshua	JAN	08	26.6	23.1	25.3	73	1015.0	9.4	3.6	0	7	19	5	0	0	0	0	0	0	0	0	0	31
Airport		14	28.5	24.0	26.2	67	1013.6	12.3	3.6	0	8	18	5	0	0	0	0	0	0	0	0	0	31
		20	25.8	22.7	25.1	75	1014.2	8.9	3.3	0	11	16	3	0	0	0	0	0	0	0	0	1	29
13m	FEB	08	25.5	22.4	24.5	75	1015.6	7.2	4.6	0	4	13	11	0	0	0	0	0	0	0	0	0	28
		14	28.6	23.5	24.7	63	1014.1	9.6	4.7	0	3	13	12	0	0	0	0	0	0	0	0	0	28
		20	25.2	22.1	24.2	76	1014.7	6.0	3.5	0	8	18	2	0	0	0	0	0	0	0	0	0	28
	MAR	08	26.5	23.1	25.4	73	1014.8	9.9	5.0	0	1	17	13	0	0	0	0	0	0	0	0	1	30
		14	28.7	24.0	26.0	66	1013.5	11.1	4.8	0	4	15	12	0	0	0	0	0	0	0	0	1	30
		20	25.6	22.9	25.6	78	1013.8	7.7	4.0	0	7	17	7	0	0	0	0	0	0	0	0	2	29
	APR	08	27.3	24.2	27.6	76	1015.7	9.0	5.2	0	2	14	12	2	0	0	0	0	0	0	1	6	23
		14	29.3	25.0	28.2	69	1014.2	9.5	4.6	0	3	18	7	2	0	0	0	0	0	0	0	5	25
		20	26.6	23.9	27.4	78	1014.6	7.3	4.2	0	4	20	6	0	0	0	0	0	0	0	0	6	24
	MAY	08	28.5	24.7	28.1	72	1016.2	9.2	3.7	0	6	21	4	0	0	0	0	0	0	0	0	5	26
		14	30.2	25.3	28.2	66	1014.7	10.0	4.1	0	3	23	5	0	0	0	0	0	0	0	0	5	26
		20	27.4	24.4	28.1	77	1015.0	7.2	3.6	0	4	24	3	0	0	0	0	0	0	0	0	4	27
	JUN	08	28.6	25.0	28.6	73	1015.4	11.1	4.9	0	3	17	10	0	0	0	0	0	0	0	0	14	16
		14	30.0	25.6	29.1	69	1014.5	10.7	5.0	0	4	12	12	2	0	0	0	0	0	0	0	16	14
		20	27.5	24.7	28.8	78	1014.8	9.0	5.2	0	0	16	13	1	0	0	0	0	0	0	1	16	13

TABLE I - SUMMARY OF OBSERVATIONS AT FIXED HOURS 1999

COUNTRY / STATION / HEIGHT (above msl)	MONTH	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °C	WET BULB °C	VAPOR PRESS. hPa & tenths	REL HUM %	MEAN PRESS. REDUCED TO MSL hPa & tenths	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eights): MEAN AMT	Number of observations: 0	1,2	3-5	6,7	8	9	VISIBILITY IN km (no. of obs): 0.0 TO 0.3	0.4 TO 0.9	1.0 TO 1.9	2.0 TO 3.1	3.2 TO 4.7	4.8 TO 7.0	7.1 TO 15	> 15
ST. VINCENT																							
E.T.Joshua	JUL	08	28.2	25.2	29.6	77	1015.7	8.3	4.5	0	3	18	9	1	0	0	0	0	0	0	0	2	29
Airport		14	29.8	25.8	29.8	72	1014.9	8.5	5.0	0	3	16	10	2	0	0	0	0	0	0	0	2	29
		20	27.5	24.8	29.1	80	1015.0	6.4	4.0	0	6	18	5	1	0	0	0	0	0	0	0	2	28
13m	SEP	08	28.8	25.7	30.6	77	1013.4	4.7	5.0	0	3	17	7	3	0	0	1	0	0	0	0	2	27
		14	30.6	26.4	31.0	71	1011.8	6.1	5.2	0	1	15	13	1	0	0	0	0	0	0	0	2	28
		20	27.4	25.0	29.8	82	1012.4	4.2	4.8	0	4	13	11	2	0	0	0	0	0	0	0	1	29
	OCT	08	28.5	25.4	29.8	77	1013.7	5.6	5.1	0	1	16	13	1	0	0	0	0	0	0	1	4	26
		14	29.5	25.6	29.8	73	1011.9	7.2	5.5	0	1	13	14	3	0	1	0	0	0	0	0	3	27
		20	27.1	24.7	29.2	81	1012.8	3.9	4.3	0	6	14	11	0	0	0	0	0	0	0	0	2	29
	NOV	08	28.2	25.2	29.6	77	1011.9	5.6	5.3	0	3	9	16	1	0	0	0	0	0	0	1	2	26
		14	29.4	25.4	29.2	72	1010.2	7.2	5.3	0	2	13	10	4	0	0	0	0	0	0	0	5	24
		20	27.0	24.7	29.3	82	1011.3	4.3	4.8	0	5	15	6	3	0	0	0	0	1	0	0	4	24
	DEC	08	27.9	24.2	27.3	73	1014.7	8.6	4.8	0	3	15	13	0	0	0	0	0	0	0	0	0	31
		14	28.5	24.3	27.2	70	1011.8	8.3	4.6	0	3	16	12	0	0	0	1	0	0	0	0	1	29
		20	26.3	23.3	26.2	77	1013.6	7.7	3.6	0	7	22	2	0	0	0	0	0	0	0	0	1	30

TABLE I - SUMMARY OF OBSERVATIONS AT FIXED HOURS 1999

COUNTRY / STATION / HEIGHT (above msl)	MONTH	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °C	WET BULB °C	VAPOR PRESS. hPa & tenths	REL HUM %	MEAN PRESS. REDUCE TO MSL hPa & tenths	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eights): MEAN AMT	Number of observations: 0	1,2	3-5	6,7	8	9	VISIBILITY IN km (no. of obs): 0.0 TO 0.3	0.4 TO 0.9	1.0 TO 1.9	2.0 TO 3.1	3.2 TO 4.7	4.8 TO 7.0	7.1 TO 15	> 15
ST.LUCIA																							
Hewanorra Airport	JAN	02	25.6			74	1013.8	15.1	3.5	0	11	17	3	0	0	0	0	0	0	0	0	0	31
		08	26.4			72	1015.2	15.8	4.1	0	8	15	8	0	0	0	0	0	0	0	0	1	30
		14	28.1			66	1013.7	15.5	3.6	0	10	15	6	0	0	0	0	0	0	0	0	2	29
		20	25.9			74	1014.4	15.0	3.2	0	15	11	4	1	0	0	0	0	0	0	0	0	31
10m	FEB	02	24.2			77	1014.2	11.9	3.8	0	10	11	7	0	0	0	0	0	0	0	0	1	27
		08	25.8			73	1015.7	12.4	5.0	0	3	11	14	0	0	0	0	0	0	0	0	1	27
		14	28.0			64	1014.1	13.8	4.9	0	4	10	14	0	0	0	0	0	0	0	0	2	26
		20	24.7			74	1014.8	11.5	4.6	0	8	6	13	1	0	0	0	0	0	0	0	0	28
	MAR	02	25.4			76	1013.3	11.7	4.5	0	8	11	12	0	0	0	0	0	0	0	0	0	31
		08	26.5			74	1015.0	12.8	5.7	0	2	9	20	0	0	0	0	0	0	0	0	0	31
		14	28.5			67	1013.6	13.4	5.0	0	5	10	14	2	0	0	0	0	0	0	0	0	31
		20	25.6			77	1014.0	12.3	5.3	0	3	9	19	0	0	0	0	0	0	0	0	1	30
	APR	02	26.1			81	1013.9	11.5	4.2	0	8	11	9	2	0	0	0	0	0	0	0	2	28
		08	27.3			77	1015.8	12.0	5.3	0	1	16	12	1	0	0	0	0	0	0	0	6	24
		14	29.3			69	1014.3	13.2	4.8	0	3	15	9	3	0	0	0	0	0	0	0	3	27
		20	26.7			78	1014.8	11.5	4.7	0	5	14	9	2	0	0	0	0	0	0	0	2	28
	MAY	02	27.0			78	1014.6	12.2	3.6	0	10	16	4	0	0	0	0	0	0	0	0	5	25
		08	28.6			72	1016.2	12.2	3.6	0	12	13	5	0	0	0	0	0	0	0	0	6	24
		14	30.5			66	1014.7	12.8	3.5	0	12	13	5	0	0	0	0	0	0	0	1	4	25
		20	27.5			77	1015.0	10.7	3.5	0	12	11	7	0	0	0	0	0	0	0	1	4	26
	JUN	02	27.3			79	1014.1	15.2	4.6	0	4	14	11	1	0	0	0	0	0	0	0	9	21
		08	28.7			74	1015.4	15.4	4.8	0	5	11	14	0	0	0	0	0	0	0	0	11	19
		14	30.3			69	1014.5	15.1	4.8	0	7	10	11	2	0	0	0	0	0	0	1	7	22
		20	27.8			77	1014.9	14.7	4.8	0	7	9	11	3	0	0	0	0	0	0	0	8	22

TABLE I - SUMMARY OF OBSERVATIONS AT FIXED HOURS 1999

COUNTRY / STATION / HEIGHT (above msl)	MONTH	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °C	WET BULB °C	VAPOR PRESS. hPa & tenths	REL HUM %	MEAN PRESS. REDUCE TO MSL hPa & tenths	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eights): MEAN AMT	Number of observations: 0	1,2	3-5	6,7	8	9	VISIBILITY IN km (no. of obs): 0.0 TO 0.3	0.4 TO 0.9	1.0 TO 1.9	2.0 TO 3.1	3.2 TO 4.7	4.8 TO 7.0	7.1 TO 15	> 15
ST.LUCIA																							
Hewanorra	JUL	02	27.0			82	1014.6	13.0	3.6	0	12	12	6	1	0	0	0	0	0	0	0	2	29
Airport		08	28.1			78	1015.7	13.1	4.9	0	6	12	13	0	0	0	0	0	0	1	1	4	25
		14	30.0			72	1014.9	13.4	5.1	0	5	7	19	0	0	0	0	0	1	0	1	4	25
		20	27.4			82	1015.1	12.5	4.2	0	10	10	11	0	0	0	0	0	0	0	0	3	28
10m	AUG	02	26.7			84	1013.5	9.8	4.2	0	8	12	10	1	0	0	0	0	0	0	1	4	26
		08	28.5			77	1014.7	10.4	4.8	0	5	13	13	0	0	0	0	0	0	0	0	2	29
		14	30.5			70	1013.6	11.3	4.8	0	6	11	14	0	0	0	0	0	0	0	1	2	28
		20	27.5			81	1013.9	9.7	4.3	0	10	8	13	0	0	0	0	0	0	0	0	0	31
	SEP	02	27.1			83	1011.6	9.6	5.0	0	3	15	12	0	0	0	0	0	0	0	0	1	29
		08	28.9			76	1013.1	10.1	5.3	0	5	6	17	2	0	0	0	0	1	0	0	3	26
		14	30.3			70	1011.5	10.7	5.5	0	3	10	14	3	0	0	0	0	0	0	0	1	29
		20	27.5			82	1012.3	9.5	5.8	0	3	7	18	2	0	0	0	0	0	0	0	1	29
	OCT	02	26.2			86	1011.8	9.8	5.0	0	5	12	13	1	0	0	0	0	0	0	0	3	28
		08	28.6			78	1013.5	10.5	5.4	0	3	11	16	1	0	0	0	0	1	0	0	5	25
		14	29.5			74	1011.5	11.1	5.8	0	1	9	21	0	0	0	0	0	0	0	0	5	26
		20	26.9			83	1012.7	9.4	5.3	0	4	9	15	3	0	0	0	0	0	0	0	2	29
	NOV	02	25.8			88	1010.0	11.1	4.9	0	7	7	16	0	0	0	0	0	0	0	2	3	25
		08	27.9			81	1011.6	10.5	5.5	0	5	7	16	2	0	0	0	0	0	1	1	4	24
		14	29.2			74	1009.8	11.4	5.9	0	2	9	16	3	0	0	0	0	0	1	2	2	25
		20	26.4			85	1011.2	10.3	5.0	0	7	8	13	2	0	0	0	0	0	0	1	2	27
	DEC	02	25.6			79	1012.5	12.3	4.4	0	7	10	14	0	0	0	0	0	0	1	1	1	28
		08	27.1			74	1014.2	13.0	5.3	0	3	10	18	0	0	0	0	0	0	0	1	2	28
		14	29.0			67	1012.4	13.3	5.4	0	3	11	17	0	0	0	0	0	0	0	0	1	30
		20	26.1			77	1013.5	12.5	4.4	0	9	9	13	0	0	0	0	0	0	0	0	1	30

TABLE I - SUMMARY OF OBSERVATIONS AT FIXED HOURS 1999

COUNTRY / STATION / HEIGHT (above msl)	MONTH	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °C	WET BULB °C	VAPOR PRESS. hPa & tenths	REL HUM %	MEAN PRESS. REDUCE TO MSL hPa & tenths	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eights): MEAN AMT	Number of observations: 0	1,2	3-5	6,7	8	9	VISIBILITY IN km (no. of obs): 0.0 TO 0.3	0.4 TO 0.9	1.0 TO 1.9	2.0 TO 3.1	3.2 TO 4.7	4.8 TO 7.0	7.1 TO 15	> 15
ST.LUCIA																							
Roseau Winban	JAN	09	26.6	23.5	26.4	76																	
	FEB	09	26.6	22.8	24.7	71																	
	MAR	09	27.4	23.5	25.9	71																	
	APR	09	28.0	24.4	27.7	74																	
	MAY	09	29.5	25.2	28.6	69																	
	JUN	09	29.5	25.4	29.2	71																	
	JUL	09	28.5	25.6	30.4	79																	
	AUG	09	29.2	25.7	30.2	75																	
	SEP	09	29.7	26.3	31.3	76																	
	OCT	09	29.4	26.0	30.8	75																	
	DEC	09	27.7	24.3	27.6	75																	

TABLE I - SUMMARY OF OBSERVATIONS AT FIXED HOURS 1999

COUNTRY / STATION / HEIGHT (above msl)	MONTH	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °C	WET BULB °C	VAPOR PRESS. hPa & tenths	REL HUM %	MEAN PRESS. REDUCE TO MSL hPa & tenths	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eights): MEAN AMT	Number of observations: 0	1,2	3-5	6,7	8	9	VISIBILITY IN km (no. of obs): 0.0 TO 0.3	0.4 TO 0.9	1.0 TO 1.9	2.0 TO 3.1	3.2 TO 4.7	4.8 TO 7.0	7.1 TO 15	> 15
DOMINICA																							
Canefield	JAN	08	23.9	21.4	23.4	79	1015.4	2.6	3.9	0	10	14	7	0	0	0	0	0	0	0	0	0	31
Airport		14	28.5	22.9	23.3	61	1014.0	6.8	4.1	0	4	20	7	0	0	0	0	0	0	0	0	0	31
		20	24.2	21.4	23.1	77	1014.7	1.8	3.5	0	10	17	4	0	0	0	0	0	0	0	0	0	31
72m	MAR	08	24.8	22.0	24.1	77	1014.9	.9	4.9	0	4	14	13	0	0	0	0	0	0	0	0	1	30
		14	29.0	23.6	24.7	62	1013.8	5.1	5.3	0	4	10	17	0	0	0	0	0	0	0	0	0	31
		20	25.2	21.7	23.2	72	1014.1	1.5	3.6	0	9	16	6	0	0	0	0	0	0	0	0	0	31
	APR	08	26.0	23.3	26.3	78	1015.5	1.2	4.6	0	6	11	11	2	0	0	0	0	0	0	0	0	30
		14	29.6	24.9	27.6	67	1014.3	5.3	4.4	0	6	15	7	2	0	0	0	0	0	0	0	0	30
		20	26.0	22.9	25.5	76	1014.7	1.0	3.8	1	12	7	8	2	0	0	0	0	0	0	0	0	30
	MAY	08	27.7	24.1	27.0	73	1015.8	.6	4.1	0	10	10	9	0	0	0	0	0	0	0	0	1	28
		14	31.6	25.3	27.2	59	1014.4	6.9	4.0	0	7	14	8	0	0	0	0	0	0	0	0	0	29
		20	27.4	23.3	25.1	69	1014.8	1.6	2.3	1	20	5	3	0	0	0	0	0	0	0	0	0	29
	JUN	08	27.9	24.2	27.1	73	1015.2	2.1	4.8	0	5	12	12	1	0	0	0	0	0	0	0	1	29
		14	31.2	25.3	27.5	61	1014.4	7.3	4.7	0	6	12	11	1	0	0	0	0	0	1	0	1	28
		20	27.8	23.8	26.2	71	1014.8	2.7	4.3	0	7	12	10	1	0	0	0	0	0	0	0	0	30

TABLE I - SUMMARY OF OBSERVATIONS AT FIXED HOURS 1999

COUNTRY / STATION / HEIGHT (above msl)	MONTH	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °C	WET BULB °C	VAPOR PRESS. hPa & tenths	REL HUM %	MEAN PRESS. REDUCE TO MSL hPa & tenths	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eights): MEAN AMT	Number of observations: 0	1,2	3-5	6,7	8	9	VISIBILITY IN km (no. of obs): 0.0 TO 0.3	0.4 TO 0.9	1.0 TO 1.9	2.0 TO 3.1	3.2 TO 4.7	4.8 TO 7.0	7.1 TO 15	> 15
DOMINICA																							
Canefield	JUL	08	27.4	24.4	28.1	77	1015.6	1.3	4.2	0	5	19	6	1	0	0	0	0	0	0	0	1	30
Airport		14	30.5	25.2	27.7	64	1014.9	6.3	4.5	0	4	16	11	0	0	0	0	0	0	0	0	0	31
		20	26.9	23.9	27.1	76	1015.2	.7	3.6	0	10	14	7	0	0	0	1	0	0	0	0	0	30
72m	AUG	08	26.9	24.5	28.9	82	1014.6	.3	3.9	0	8	16	7	0	0	0	0	0	0	0	0	1	30
		14	30.5	25.8	29.5	68	1013.8	4.5	5.1	0	2	15	14	0	0	0	0	0	0	0	1	0	30
		20	26.7	24.0	27.6	79	1014.0	.6	3.5	0	14	10	7	0	0	0	0	0	0	0	0	0	31
	SEP	08	27.6	24.8	29.1	79	1012.8	1.1	4.3	0	7	12	11	0	0	0	0	0	0	0	0	0	30
		14	30.9	26.0	29.6	67	1011.8	4.6	5.2	0	2	11	16	1	0	0	0	0	0	1	0	0	29
		20	26.7	24.2	28.0	80	1012.2	1.2	4.4	0	7	11	10	2	0	0	0	0	0	0	1	0	29
	OCT	08	27.1	24.5	28.7	81	1013.4	.9	5.1	0	6	5	18	2	0	0	0	0	0	0	1	0	30
		14	30.3	25.6	28.9	68	1011.9	3.9	5.3	0	2	13	15	1	0	0	0	0	0	0	0	1	30
		20	26.0	23.6	27.1	80	1012.6	1.2	4.0	0	13	6	11	1	0	0	0	0	0	0	0	0	31
	NOV	08	26.5	24.3	28.6	83	1011.3	2.2	4.8	0	8	8	10	4	0	0	0	0	0	0	0	2	28
		14	29.1	25.3	29.0	72	1010.0	4.8	5.4	0	3	10	15	2	0	0	1	0	1	0	0	1	27
		20	25.9	23.7	27.6	82	1010.9	1.5	4.6	0	4	14	11	1	0	0	0	0	0	0	0	0	30
	DEC	08	25.1	22.1	24.1	76	1014.3	1.5	3.5	0	12	11	8	0	0	0	0	0	0	0	0	0	31
		14	29.0	23.5	24.5	61	1012.9	5.4	4.2	0	7	15	9	0	0	0	0	0	0	0	0	0	31
		20	24.9	21.8	23.5	75	1013.6	2.4	3.1	0	14	14	2	1	0	0	0	0	0	0	0	0	31

TABLE I - SUMMARY OF OBSERVATIONS AT FIXED HOURS 1999

COUNTRY / STATION / HEIGHT (above msl)	MONTH	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °C	WET BULB °C	VAPOR PRESS. hPa & tenths	REL HUM %	MEAN PRESS. REDUCE TO MSL hPa & tenths	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eights): MEAN AMT	Number of observations: 0	1,2	3-5	6,7	8	9	VISIBILITY IN km (no. of obs): 0.0 TO 0.3	0.4 TO 0.9	1.0 TO 1.9	2.0 TO 3.1	3.2 TO 4.7	4.8 TO 7.0	7.1 TO 15	> 15
ST.KITTS																							
National Agric.Corp.	JAN	07	24.4	21.7	23.9	78																	
	FEB	07	23.1	20.2	21.6	76																	
	MAR	07	24.7	21.6	23.3	75																	
	APR	07	25.8	23.4	26.9	81																	
	MAY	07	26.9	24.3	28.3	80																	
	JUN	07	27.8	25.1	29.8	80																	
	AUG	07	27.9	25.4	30.4	81																	
	SEP	07	28.3	25.8	31.2	81																	
	OCT	07	27.1	24.9	29.9	83																	
	NOV	07	25.7	23.8	28.1	86																	
	DEC	07	24.3	22.0	24.6	81																	

TABLE I - SUMMARY OF OBSERVATIONS AT FIXED HOURS 1999

COUNTRY / STATION / HEIGHT (above msl)	MONTH	HOUR LST	MEAN TEMPERATURE AND HUMIDITY: DRY BULB °C	WET BULB °C	VAPOR PRESS. hPa & tenths	REL HUM %	MEAN PRESS. REDUCE TO MSL hPa & tenths	MEAN WIND SPEED kt	TOTAL CLOUD AMOUNT (eights): MEAN AMT	Number of observations: 0	1,2	3-5	6,7	8	9	VISIBILITY IN km (no. of obs): 0.0 TO 0.3	0.4 TO 0.9	1.0 TO 1.9	2.0 TO 3.1	3.2 TO 4.7	4.8 TO 7.0	7.1 TO 15	> 15
CAYMAN ISLANDS																							
Owen Roberts	JAN	02	25.3	23.2	27.0	84	1016.8	9.0	2.4	0	20	8	2	1	0	0	0	0	0	0	0	31	0
Airport		14	26.2	23.6	27.3	80	1017.7	11.4	3.5	0	10	13	8	0	0	0	0	0	0	0	0	31	0
		20	27.7	24.0	27.2	73	1015.4	13.1	4.1	0	10	11	9	1	0	0	0	0	0	0	0	31	0
3m	FEB	02	24.2	21.6	24.1	80	1017.4	7.4	2.4	0	18	10	1	0	0	0	0	0	0	0	0	29	0
		14	25.6	22.6	25.4	77	1017.9	10.3	3.3	0	11	15	3	0	0	0	0	0	0	0	0	29	0
		20	26.7	22.7	25.0	71	1015.9	12.1	4.0	0	9	12	7	1	0	0	0	0	0	0	0	29	0
	MAR	02	24.8	22.0	24.6	78	1015.8	8.3	1.9	2	21	8	0	0	0	0	0	0	0	0	0	31	0
		14	26.5	22.8	25.2	73	1016.5	11.9	3.4	0	11	16	4	0	0	0	0	0	0	0	0	31	0
		20	27.9	23.2	25.4	68	1014.6	12.1	3.4	0	10	17	4	0	0	0	0	0	0	0	0	31	0
	APR	02	26.4	24.1	28.4	82	1015.6	6.8	1.9	3	16	11	0	0	0	0	0	0	0	0	0	30	0
		14	28.3	24.6	28.5	74	1016.1	10.5	3.0	0	13	15	2	0	0	0	0	0	0	0	0	30	0
		20	29.4	25.0	28.7	70	1014.2	11.2	3.0	0	12	16	2	0	0	0	0	0	0	0	0	30	0
	MAY	02	27.2	24.8	29.6	82	1014.7	5.5	2.8	3	11	15	2	0	0	0	0	0	0	0	0	31	0
		14	29.3	25.4	29.9	73	1015.1	9.3	4.6	0	2	17	12	0	0	0	0	0	0	0	0	31	0
		20	29.5	25.7	30.3	74	1013.6	8.7	4.9	0	1	18	10	2	0	0	0	0	0	0	0	31	0
	JUN	02	27.8	25.5	31.2	84	1014.8	6.1	4.1	0	8	14	6	2	0	0	0	0	0	0	0	30	0
		14	29.5	26.2	31.6	77	1015.0	9.2	5.5	0	3	10	15	2	0	0	0	0	0	0	0	30	0
		20	30.4	26.2	31.2	72	1013.8	9.6	5.5	0	5	6	18	1	0	0	0	0	0	0	1	29	0
	JUL	02	27.9	25.9	32.0	85	1016.3	7.8	3.9	0	12	11	5	3	0	0	0	0	0	1	0	30	0
		14	29.7	26.5	32.4	77	1016.4	10.3	4.6	1	5	13	12	0	0	0	0	0	0	0	0	31	0
		20	30.1	26.3	31.7	75	1015.4	11.5	5.0	0	4	12	13	2	0	0	0	0	0	0	1	30	0
	AUG	02	28.3	26.0	32.2	84	1014.5	5.3	4.6	0	7	10	12	2	0	0	0	0	0	0	0	31	0
		14	29.8	26.5	32.3	77	1014.6	7.3	4.8	0	4	14	13	0	0	0	0	0	0	0	0	31	0
		20	30.8	26.6	32.0	72	1013.3	9.0	5.0	0	5	12	13	1	0	0	0	0	0	0	0	31	0
	SEP	02	27.9	25.7	31.5	84	1012.0	3.9	4.6	0	7	12	9	2	0	0	0	0	0	0	0	30	0
		14	29.7	26.4	32.2	77	1012.5	7.3	5.2	0	2	11	16	1	0	0	0	0	0	0	0	30	0
		20	30.2	26.5	32.0	75	1010.5	7.4	5.7	0	2	9	18	1	0	0	0	0	0	0	0	30	0
	OCT	02	27.2	25.1	30.5	85	1012.9	7.2	5.2	0	4	12	9	6	0	0	0	0	0	0	0	31	0
		14	28.1	25.4	30.7	81	1013.4	10.1	5.7	0	1	11	16	3	0	0	0	0	1	0	0	30	0
		20	28.6	25.6	30.9	79	1011.2	11.0	5.7	0	3	8	15	5	0	0	1	0	0	0	1	29	0

TABLE II - SUMMARY OF DAILY OBSERVATIONS 1999

COUNTRY STATION	MONTH	RAINFALL(mm) TOTAL AMOUNT	MOST IN A DAY	DATE	DAYS WITH, OR GREATER THAN 1.2	10.2	25.4	AIR TEMPERATURE °C MEAN MAX A	MEAN MIN B	MEAN (A+B)/2	EXTREMES MAX	MIN	MEAN GRASS MIN °C	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH THUN	FOG	HAIL	GALE
GRENADA																		
Mac Donald College	FEB	62.9	20.1	17	12	1	0	28.7	22.5	25.6	29.5	20.4			0	0	0	0
	MAR	154.4	28.6	21	11	5	2	28.9	22.8	25.9	29.8	21.3			0	0	0	0
	APR	51.7	20.0	5	5	2	0	29.3	23.4	26.3	30.4	22.8			0	0	0	0
	MAY	6.5	2.8	1	2	0	0	31.5	23.8	27.7	32.6	22.8			0	0	0	0
	JUN	140.8	66.3	12	11	2	2	29.8	23.4	26.6	30.4	21.9			0	0	0	0
	JUL	141.2	19.8	7	17	6	0	30.4	23.9	27.2	31.4	22.8			0	0	0	0
	AUG	88.2	19.6	12	13	3	0	30.8	24.0	27.4	31.9	22.8			0	0	0	0
Mirabeau	JAN	236.0	85.5	25	14	7	2	27.9	21.8	24.9	29.4	20.5		212.8	0	0	0	0
	FEB	57.7	17.7	17	8	2	0	27.7	21.1	24.4	29.0	17.1		213.5	0	0	0	0
	MAR	208.6	48.7	2	13	5	4	28.0	21.9	24.9	29.0	19.9		237.4	0	0	0	0
	APR	131.0	42.7	5	7	4	2	29.1	23.0	26.0	30.2	21.0		226.1	0	0	0	0
	MAY	32.7	17.2	5	5	1	0	29.8	23.5	26.7	30.7	21.0		273.3	0	0	0	0
	JUN	153.7	73.6	12	14	2	1	29.9	23.7	26.8	31.2	21.7		211.7	0	0	0	0
	JUL	138.1	21.2	18	14	7	0	29.8	23.3	26.5	30.3	21.3		255.8	0	0	0	0
	OCT	292.0	54.3	5	19	9	4	30.4	22.6	26.5	31.4	21.5		212.6	0	0	0	0

TABLE II - SUMMARY OF DAILY OBSERVATIONS 1999

COUNTRY STATION	MONTH	RAINFALL(mm) TOTAL AMOUNT	MOST IN A DAY	DATE	DAYS WITH, OR GREATER THAN 1.2	10.2	25.4	AIR TEMPERATURE °C MEAN MAX A	MEAN MIN B	MEAN (A+B)/2	EXTREMES MAX	MIN	MEAN GRASS MIN °C	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH THUN	FOG	HAIL	GALE
GRENADA																		
Point Salines Airport	JAN	60.5	16.2	7	11	1	0	29.2	23.3	26.2	30.0	21.1			0	0	0	0
	FEB	20.3	15.5	27	3	1	0	29.6	23.0	26.3	30.6	20.3			0	0	0	0
	MAR	46.8	18.3	2	8	1	0	30.0	23.8	26.9	30.9	21.0			0	0	0	0
	APR	15.5	3.9	17	6	0	0	30.7	24.9	27.8	31.9	21.9			0	0	0	0
	MAY	5.3	2.3	22	2	0	0	31.6	25.7	28.6	33.0	23.4			0	0	0	0
	JUN	97.3	27.2	12	12	3	1	31.2	25.8	28.5	33.0	23.1			0	0	0	0
	JUL	124.6	23.5	17	17	4	0	30.9	24.9	27.9	32.1	22.7			0	0	0	0
	AUG	159.7	23.3	4	16	6	0	31.4	25.1	28.2	32.6	23.1			0	0	0	0
	SEP	105.4	34.1	29	11	4	1	31.8	25.6	28.7	33.5	23.9			0	0	0	0
	OCT	126.1	37.8	1	12	3	1	31.0	24.9	28.0	32.5	23.0			0	0	0	0
	NOV	160.2	39.6	27	10	6	2	30.8	25.0	27.9	32.0	22.4			0	0	0	0
	DEC	102.1	14.5	11	18	3	0	30.2	23.8	27.0	31.5	21.3			0	0	0	0
ST.LUCIA																		
Roseau Winban	JAN	117.4	27.5	17	24	2	1	27.0	22.0	24.5	30.4	18.8		257.3	0	0	0	0
	FEB	34.1	15.9	2	6	1	0	26.9	20.3	23.6	29.0	16.5		245.6	0	0	0	0
	MAR	59.8	8.7	26	13	0	0	27.6	21.9	24.7	30.1	17.2		248.1	0	0	0	0
	APR	148.5	54.4	23	12	3	2	28.7	23.2	25.9	30.4	20.7		220.2	0	0	0	0
	MAY	19.2	6.5	25	4	0	0	30.2	23.7	26.9	32.5	20.5		307.3	0	0	0	0
	JUN	93.6	15.0	18	16	2	0	29.8	24.9	27.4	32.3	19.5		235.3	0	0	0	0
	JUL	200.3	35.9	1	22	5	2	29.1	24.1	26.6	31.1	21.9		225.9	0	0	0	0
	AUG	281.0	66.7	10	22	9	2	29.2	23.8	26.5	31.1	23.0		230.0	0	0	0	0
	SEP	211.1	58.2	26	16	7	2	30.1	23.5	26.8	31.9	22.5		231.8	0	0	0	0
	OCT	189.4	38.2	19	18	6	1	29.7	23.4	26.5	31.7	21.5		210.3	0	0	0	0
	NOV	201.9	39.3	27	17	8	1	29.3	23.5	26.4	31.7	19.8		185.3	0	0	0	0
	DEC	212.4	52.8	7	17	6	3	27.6	22.6	25.1	29.4	18.7			0	0	0	0

TABLE II - SUMMARY OF DAILY OBSERVATIONS 1999

COUNTRY STATION	MONTH	RAINFALL(mm) TOTAL AMOUNT	MOST IN A DAY	DATE	DAYS WITH, OR GREATER THAN 1.2	10.2	25.4	AIR TEMPERATURE °C MEAN MAX A	MEAN MIN B	MEAN (A+B)/2	EXTREMES MAX	MIN	MEAN GRASS MIN °C	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH THUN	FOG	HAIL	GALE
DOMINICA																		
Canefield Airport	JAN	154.7	18.6	2	17	6	0	29.7	21.9	25.8	31.9	18.8			0	0	0	0
	FEB	8.3	1.6	15	2	0	0	29.2	21.5	25.3	30.9	19.4			0	0	0	0
	MAR	35.9	12.6	15	9	1	0	30.3	22.2	26.3	31.5	20.3			0	0	0	0
	APR	69.2	12.1	7	13	1	0	30.6	23.1	26.8	33.3	21.9			0	0	0	0
	MAY	16.2	6.6	23	5	0	0	32.6	24.1	28.3	34.0	22.3			0	0	0	0
	JUN	258.4	56.4	18	18	7	3	32.3	25.0	28.6	34.2	23.3			0	0	0	0
	JUL	222.6	42.2	8	22	6	3	31.7	24.5	28.1	33.0	22.7			0	0	0	0
	AUG	154.4	18.9	22	19	7	0	32.0	24.3	28.1	33.1	23.2			0	0	0	0
	SEP	151.3	47.8	10	14	5	1	32.3	24.3	28.3	34.0	22.8			0	0	0	0
	OCT	182.8	46.6	3	12	5	2	31.6	23.8	27.7	33.3	22.0			0	0	0	0
	NOV	333.3	154.2	19	17	3	3	30.6	24.0	27.3	32.8	22.6			0	0	0	0
	DEC	78.5	26.7	27	11	2	1	30.1	22.8	26.5	31.5	21.2			0	0	0	0
ST.KITTS																		
National Agric.Corp.	JAN	77.4	10.4	22	19	1	0	28.6	22.6	25.6	30.0	21.0			0	0	0	0
	FEB	39.9	10.7	4	11	1	0	27.8	21.2	24.5	29.5	19.5			0	0	0	0
	MAR	38.6	9.5	24	7	0	0	29.6	22.9	26.2	31.5	21.5			0	0	0	0
	APR	34.7	14.2	4	5	1	0	30.3	22.9	26.6	31.5	19.3			1	0	0	0
	MAY	35.5	21.3	11	6	1	0	31.9	24.4	28.1	32.6	22.0			1	0	0	0
	JUN	61.1	28.5	7	6	2	1	32.0	24.8	28.4	33.0	22.0			3	0	0	0
	JUL	147.7	53.0	8	15	3	2	31.3	24.1	27.7	32.8	21.4			6	0	0	0
	AUG	170.8	100.7	22	14	3	1	32.3	25.0	28.7	33.0	22.4			1	0	0	0
	SEP	262.5	66.0	12	15	7	3	32.2	24.1	28.1	33.2	22.4			7	0	0	0
	OCT	330.8	202.8	21	15	6	1	31.4	23.8	27.6	32.0	21.6			2	0	0	0
	NOV	428.7	145.6	17	16	7	5	30.2	23.3	26.8	32.5	20.2			5	0	0	0
	DEC	102.1	60.0	4	12	1	1	29.0	22.4	25.7	30.5	21.0			0	0	0	0

TABLE II - SUMMARY OF DAILY OBSERVATIONS 1999

COUNTRY STATION	MONTH	RAINFALL(mm) TOTAL AMOUNT	MOST IN A DAY	DATE	DAYS WITH, OR GREATER THAN 1.2	10.2	25.4	AIR TEMPERATURE °C MEAN MAX A	MEAN MIN B	MEAN (A+B)/2	EXTREMES MAX	MIN	MEAN GRASS MIN °C	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH THUN	FOG	HAIL	GALE
CAYMAN ISLANDS																		
Owen Roberts Airport	JAN	67.2	18.5	10	11	2	0	29.0	23.5	26.2	31.4	20.1			0	0	0	0
	FEB	59.2	35.3	18	4	2	1	27.9	22.0	25.0	29.9	17.3			0	0	0	0
	MAR	13.4	8.9	14	3	0	0	28.8	22.2	25.5	30.7	18.3			0	0	0	0
	APR	25.0	13.0	18	3	1	0	30.4	24.5	27.5	31.3	21.7			0	0	0	0
	MAY	192.6	66.0	30	12	3	3	31.2	25.3	28.3	32.5	22.8			11	0	0	0
	JUN	89.2	31.5	14	12	2	1	31.6	25.9	28.7	32.8	23.9			11	0	0	0
	JUL	303.3	152.7	31	11	6	2	31.6	25.6	28.6	32.8	21.0			13	0	0	0
	AUG	140.7	26.4	17	12	6	1	32.1	25.6	28.8	33.6	22.4			17	0	0	0
	SEP	250.0	84.0	16	13	6	4	31.9	25.5	28.7	33.1	23.3			11	0	0	0

TABLE III - SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS 1999

COUNTRY / STATION	MONTH	RUN OF WIND (kilometers)		EVAPORATION (mm)			TOTAL RADIATION (MJ/M^2)		
		DAILY	MOST IN A DAY	TOTAL AMOUNT	MOST IN A DAY	DATE	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
ST.LUCIA									
Roseau Winban	JAN	125	183	123.7	7.7	25			
	FEB	99	171	125.7	6.3	23			
	MAR	126	176	159.0	7.7	23			
	APR	119	177	159.4	7.9	21			
	MAY	130	212	201.5	8.3	24			
	JUN	151	200	176.4	8.7	1			
	JUL	114	188	153.4	6.8	24			
	AUG	85	141	154.5	11.1	8			
	SEP	79	191	148.2	9.0	3			
	OCT	79	207	121.6	7.2	2			
	NOV	93	264	97.8	5.0	3			
	DEC	94	150	111.3	7.4	30			
ST.KITTS									
National Agric.Corp.	JAN			170.6	7.4	31			
	FEB			140.2	7.9	13			
	MAR			200.4	8.8	18			
	APR			168.6	8.9	21			
	MAY			182.5	8.3	24			
	JUN			188.8	9.3	29			
	JUL			203.2	9.3	7			
	AUG			196.9	7.4	24			
	SEP			174.5	11.2	14			
	OCT			164.3	10.2	16			
	NOV			143.7	10.8	4			
	DEC			143.8	6.8	16			

TABLE VI - SUMMARY OF SUNSHINE RECORDS 1999

COUNTRY / STATION	MONTH	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (local Apparent Time) 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	TOTAL DURATION (hours)	PERCENT POSSIB.	MOST IN A DAY	DATE	DAYS WITH AMOUNTS WITHIN RANGES (hours) NIL	0.1 TO 3.0	3.1 TO 6.0	6.1 TO 9.0	9.1 TO 12	> 12
GRENADA																									
Mirabeau	JAN	0	1	30	74	72	82	84	76	73	77	67	47	3	0	212.8	60	10.1	31	2	2	4	20	2	0
	FEB	0	3	48	79	84	82	80	79	82	75	77	62	12	0	213.5	65	10.9	28	0	2	5	9	12	0
	MAR	0	20	52	73	81	83	84	82	80	78	78	45	9	0	237.4	64	10.9	7	1	2	3	13	12	0
	APR	0	6	53	68	79	84	88	84	84	83	67	48	9	0	226.1	61	10.4	20	1	3	2	12	11	0
	MAY	0	19	73	83	89	94	93	88	91	94	81	60	17	0	273.3	70	11.2	16	1	0	0	13	17	0
	JUN	0	8	49	64	80	84	74	82	85	75	60	36	7	0	211.7	55	10.0	23	3	1	4	14	8	0
	JUL	0	8	51	76	82	86	85	89	91	91	84	65	18	0	255.8	64	10.7	6	0	1	4	10	15	0
	OCT	0	3	39	64	72	70	74	75	71	72	68	59	19	0	212.6	58	10.9	11	4	2	3	10	12	0
	NOV	0	0	26	64	73	77	82	75	76	81	66	39	8	0	200.3	58	10.0	13	0	5	4	14	7	0
	DEC	0	0	19	63	74	78	78	85	74	72	67	41	5	0	203.1	57	9.6	24	1	6	3	14	7	0
ST.LUCIA																									
Roseau Winban	JAN	0	1	46	69	81	93	92	84	92	92	88	74	18	0	257.3	72	10.3	28	0	0	0	19	12	0
	FEB	0	8	68	89	95	93	90	87	83	74	79	83	28	1	245.6	75	10.8	28	0	1	0	12	15	0
	MAR	0	7	64	77	81	89	89	88	83	78	65	59	21	0	248.1	66	10.9	8	0	2	5	11	13	0
	APR	0	17	49	69	75	77	71	71	66	74	71	64	29	0	220.2	59	11.1	12	1	4	3	12	10	0
	MAY	0	27	79	91	93	96	95	97	98	92	93	86	44	0	307.3	78	11.5	17	0	0	0	4	27	0
	JUN	0	13	55	76	85	82	80	82	78	70	70	61	31	1	235.3	61	11.8	3	0	2	7	9	11	0
	JUL	0	15	39	60	74	71	75	75	72	71	75	62	39	0	225.9	57	11.1	5	0	4	5	11	11	0
	AUG	0	31	65	69	81	74	68	68	70	69	67	53	27	0	230.0	59	11.5	3	0	5	4	10	11	0
	SEP	1	14	63	78	79	79	75	79	75	71	72	64	22	0	231.8	63	10.9	15	1	4	1	7	17	0
	OCT	0	6	50	64	80	79	78	74	64	61	55	53	15	0	210.3	57	10.9	14	1	6	2	13	9	0
	NOV	0	3	53	70	77	67	66	62	55	50	55	46	14	0	185.3	54	10.5	25	1	4	7	9	9	0