

## Agrometeorological Bulletin In Pentads

First Half Of May 2008

Mauritius

### GENERAL

A ridge of high pressure influenced local weather during the first two pentads. Active clouds associated with a mid-tropospheric trough gave violent thunderstorms and widespread showers on May 14. Certain regions of Curepipe and Vacoas had hail at around mid-day.

### RAINFALL

The first two pentads were dry. The showers of the 14<sup>th</sup> contributed largely to this fortnight's rainfall total. The West received 37.4 mm, representing 216% of the normal. The North 25.3 mm, that is 64% of the mean. The East, the South and the Centre received 40.3 mm, 93.3 mm and 33.7 mm of rainfall. These amounts represented 45%, 111%, and 60% of the long term mean for the respective regions.

### TEMPERATURE

Day maximum temperature was above normal in all sugar regions. Night minimum was near average, except in the West where it was above average.

### SUNSHINE

The duration of bright sunshine was about normal over the whole island.

### RODRIGUES

Clouds associated with a wave moving eastward gave thundery showers during the first pentad. Otherwise, a ridge of high pressure influenced weather over the island. The station at Pointe Canon received 101.6 mm of rainfall, representing 367 % of the normal for the first fortnight of May. Day maximum and night minimum temperatures were about the mean. The duration of bright sunshine was slightly below the mean.

Parameter	MAURITIUS						RODRIGUES
	Date	West	North	East	South	Centre	Pte Canon
Rainfall in mm	1-5	0.2	0.1	11.9	9.1	1.0	88.8
	6-10	0.0	4.6	13.1	17.2	3.6	5.0
	11-15	37.2	20.5	15.3	67.1	29.0	7.8
Total	1-15	37.4	25.3	40.3	93.3	33.7	101.6
Diff from Normal	1-15	+20.1	-14.2	-49.0	+9.3	-22.8	+73.9
% of Normal	1-15	216	64	45	111	60	367

Temperature in °C	Date	Medine		Pampl		Flacq		Plaisance		Vacoas		Pte Canon	
Maximum/ Diff from normal	1-5	30.2	+1.5	30.7	+1.8	28.3	+1.3	28.8	+1.3	27.3	+1.8	28.5	+0.4
	6-10	29.7	+1.2	29.7	+0.8	26.7	+0.1	28.2	+0.9	25.5	+0.2	28.0	+0.2
	11-15	30.1	+1.8	30.1	+1.6	27.3	+0.8	28.1	+0.9	25.9	+0.7	28.1	+0.3
Mean	1-15	30.0	+1.5	30.2	+1.4	27.4	+0.7	28.4	+1.1	26.2	+0.9	28.2	+0.3
Minimum/ Diff from normal	1-5	21.2	+0.8	18.3	-1.1	19.6	-0.6	20.5	-0.5	18.1	-0.4	23.0	+0.5
	6-10	20.4	+0.2	19.1	0.0	20.0	+0.2	20.8	0.0	18.7	+0.5	21.8	-0.4
	11-15	21.2	+1.7	20.7	+2.0	20.0	+0.5	21.6	+1.4	19.0	+1.1	22.1	0.0
Mean	1-15	20.9	+0.9	19.3	+0.3	19.9	0.0	20.9	+0.3	18.6	+0.4	22.3	0.0

Wind	Date	Medine	Pampl	Flacq	Plaisance	Vacoas	Pte Canon
Highest daily mean over	1-5	10	12	09	15	08	17
one hour	6-10	15	20	11	22	16	18
	11-15	16	16	12	22	14	23
Mean	1-15	14	16	11	20	13	20
Highest daily absolute	1-5	14	19	11	18	10	23
	6-10	18	23	13	26	16	24
	11-15	21	24	16	31	21	27
Absolute	1-15	21	24	16	31	21	27

Sunshine hrs	Date	Medine	Pampl	DSeche	Flacq	SSouci	Plaisance	Vacoas	Pte Canon
	16-20	45.4	43.2	50.5	40.6	40.6	39.7	40.2	32.1
	21-25	30.5	37.3	37.6	25.8	28.6	26.5	41.2	46.2
	26-31	36.3	31.9	34.7	24.7	29.5	29.7	34.1	30.9
Total	16-31	112.2	112.4	122.8	91.1	98.7	95.9	115.5	109.2
% of normal	16-31	95	95	111	95	107	96	101	88

Second Half Of May 2008

Mauritius

**GENERAL**

Two cold fronts crossed the island, namely on May 17 and May 23. Otherwise, a moist and unstable airstream flowed over our region.

**RAINFALL**

The second fortnight of May was wet. Rainfall amount received were as follows: West 53.6 mm, North 123.8 mm, East 233.8 mm, South 346.1 mm and Centre 190.1 mm. These amounts represented 231%, 213%, 213%, 319% and 277% of the normal for the respective regions.

**TEMPERATURE**

Day maximum and night minimum temperatures were near average.

**SUNSHINE**

The duration of bright sunshine was near average, except for Pamplémousses and Plaisance where it was slightly below average.

**RODRIGUES**

Influenced by the same weather systems, the station at Pointe Canon recorded 55.6 mm of rainfall, representing 113% of the mean. Day maximum and night minimum temperatures were about the mean. The duration of bright sunshine was below normal.

Parameter	MAURITIUS						RODRIGUES
	Date	West	North	East	South	Centre	Pte Canon
Rainfall in mm	16-20	49.3	96.5	161.9	239.6	154.9	21.6
	21-25	2.0	4.8	24.0	31.9	10.5	20.7
	26-31	2.3	22.2	48.0	74.6	24.7	13.3
Total	16-31	53.6	123.5	233.8	346.1	190.1	55.6
Diff from Normal	16-31	+30.4	+65.3	+124.2	+237.7	+121.5	+6.5
% of Normal	16-31	231	212	213	319	277	113

Temperature in °C	Date	Medine		Pampl		Flacq		Plaisance		Vacoas		Pte Canon	
Maximum/ Diff from normal	16-20	26.9	-0.8	27.4	-0.5	25.3	-0.7	25.6	-0.9	23.5	-0.9	27.3	0.0
	21-25	26.8	-0.7	27.2	-0.6	24.9	-1.0	25.5	-0.8	23.6	-0.7	26.8	-0.2
	26-31	27.2	-0.3	27.1	-0.5	24.4	-1.3	26.0	-0.2	23.4	-0.8	26.8	-0.1
Mean	16-31	27.0	-0.6	27.2	-0.5	24.9	-1.0	25.7	-0.6	23.5	-0.8	27.0	-0.1
Minimum/ Diff from normal	16-20	20.7	+1.6	19.6	+1.4	20.6	+1.6	21.1	+1.0	18.8	+1.3	21.0	-0.5
	21-25	18.3	-0.5	16.0	-2.0	17.5	-1.2	19.0	-0.7	16.8	-1.3	21.1	-0.1
	26-31	18.6	-0.3	17.1	-0.8	19.3	+0.6	19.9	+0.4	16.6	-0.6	20.5	-0.7
Mean	16-31	19.2	+0.3	17.6	-0.5	19.1	+0.3	20.0	+0.3	17.4	+0.2	20.9	-0.4

Wind	Date	Medine		Pampl		Flacq		Plaisance		Vacoas		Pte Canon	
Highest daily mean over one hour	16-20	16		18		13		22		14		18	
	21-25	15		14		11		19		13		14	
	26-31	20		22		12		23		18		20	
Mean	16-31	17		18		12		21		15		17	
Highest daily absolute	16-20	21		27		16		31		19		27	
	21-25	23		23		13		24		21		19	
	26-31	26		27		13		31		26		29	
Absolute	16-31	26		27		16		31		26		29	

Sunshine hrs	Date	Medine		Pampl	DSeche	Flacq	SSouci	Plaisance	Vacoas	Pte Canon
	16-20	18.2		14.3	14.5	13.6	13.2	9.8	16.1	23.8
	21-25	41.5		37.5	39.7	39.8	39.3	30.4	40.9	20.7
	26-31	51.4		51.4	53.3	36.8	41.9	38.8	48.2	51.9
Total	16-31	111.1		103.2	107.5	90.2	94.4	79.0	105.2	96.4
% of normal	16-31	94		88	96	92	105	81	92	78