



REPUBLIC OF MAURITIUS

METEOROLOGICAL SERVICES

MONTHLY BULLETIN

of

CLIMATOLOGICAL SUMMARIES

May 2008

Contents

Introduction	1-2
Map of Mauritius / Area of responsibility	3
Weather Summary	4
Rainfall in Mauritius	5-10
Mean Monthly Rainfall	11
Rainfall Analysis	12
Monthly Climatological Summaries	13
Monthly Agrometeorological Summaries	14
Monthly Synoptic Summaries	15
Mean Sea Surface Temperature	16
Surface Wind Rose	17
Upper Winds Observations	18

MONTHLY CLIMATOLOGICAL SUMMARIES

for

MAURITIUS, RODRIGUES AND OUTER ISLANDS

1. INTRODUCTION

Mauritius lies between Latitudes 19°58.8' and 20°31.7' South and Longitudes 57°18.0' and 57°46.5' East. Rodrigues lies between Latitudes 19°40' and 19°46' South and Longitudes 63°20' and 63°30' East about 650 km East of Mauritius. St. Brandon is a coral atoll situated around Latitude 16°27' South and Longitude 59°37' East about 450 km to the North-North-East of Mauritius. Agalega consists of two small islands between Latitudes 10°20' and 10°29' South and Longitudes 56°34' and 56°42' East, about 1050 km almost North of Mauritius.

Monthly climatological data presented in this issue are based on daily observations of various meteorological parameters recorded in Mauritius, Rodrigues, St. Brandon and Agalega.

2. STATIONS

Synoptic Stations

Synoptic stations are meteorological weather observing centres where all meteorological parameters are being monitored at fixed intervals of time and their observations are exchanged on the Global Telecommunication System of the World Meteorological Organisation.

The Mauritius Meteorological Services maintains six synoptic stations :

Vacoas (20°18'S, 57°30'E) WMO Station number 61995, and Plaisance (20°26'S, 57°41'E) WMO Station number 61990, in Mauritius. Pointe Canon (19°41'S, 63°25'E) WMO Station number 61988 and Plaine Corail (19°41'S , 63°45'E) WMO Station number 61989, in Rodrigues. Raphael Island, located at 16°27'S and 59°37'E WMO Station number 61986, in St Brandon. Agalega located at 10°21'S 56°35'E, WMO Station number 61974, in North Island.

Climatological Stations

Ordinary climatological stations are stations where climate parameters such as extreme temperatures and amount of precipitation are recorded and including, if possible, some other elements like atmospheric pressure, humidity, soil temperatures, sunshine and wind are monitored daily for the preparation of climatology. The Mauritius Meteorological Services has a network of 22 ordinary climatological stations in Mauritius.

Agrometeorological Stations

The agrometeorological stations monitor standard climatological data that are of interest to agriculture, livestock breeding and forestry. These stations monitor the following parameters, evaporation, humidity, rainfall, sunshine duration, temperature and wind.

The Mauritius Sugar Industry Research Institute manages four such stations in Mauritius with the assistance of the Meteorological Services. Savannah Sugar Estate maintains another station at La Baraque.

3. INSTRUMENTS IN USE AT METEOROLOGICAL STATIONS:

Raingauges

Ordinary raingauges with outer rim of diameter 11.28 cm together with ordinary laboratory cylinders graduated in cubic centimeters are being used to measure rainfall at most stations. Readings are taken at 0700 hours daily. Fourteen stations are equipped with rain recorders, which provide rainfall intensities.

Thermometers and Hygrometers

Ordinary thermometers are used to measure dry, wet bulb and soil temperatures. Maximum and Minimum temperatures are measured by appropriate thermometers. Thermohygrographs have been installed at eight stations.

Anemometers

Nine Dines anemometers provide wind data at the following sites in Mauritius: Digue Seche, FUEL, Medine, Mon Desert Alma, Pamplemousses, Plaisance, Port Louis Harbour Radio, Quatre Bornes and Vacoas. There is also one Dines anemometer at Pointe Canon in Rodrigues. Wind at Agalega is measured by a cup anemometer.

Sunshine Recorders

Campbell Stokes sunshine recorders have been installed at twenty-one sites in Mauritius. Two stations at Rodrigues and one at Agalega are also in operations.

Evaporation Pans

Modified US Class A pans are used to measure daily evaporation amount at 13 stations in Mauritius and one station, Pointe Canon, in Rodrigues.

Barometers

Mercury barometers, digital barometers and aneroid barographs are used at all synoptic stations to measure atmospheric pressure.

Tide Gauges

Sea level is monitored using floating type gauges at Port Louis and Port Mathurin.

Wind Finding Radars

Upper Air observations are carried out daily at Vacoas and Pointe Canon using WF33 radars. At Agalega and St. Brandon, upper air wind observations are made using a theodolite - an optical instrument.

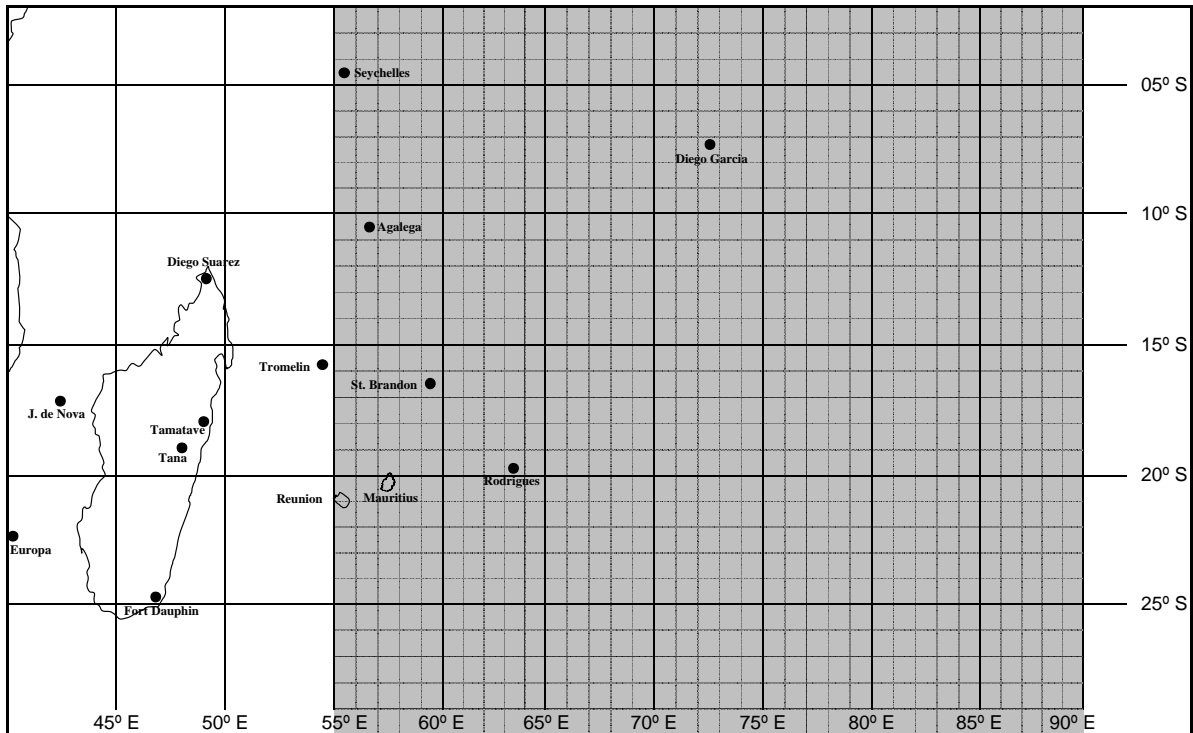
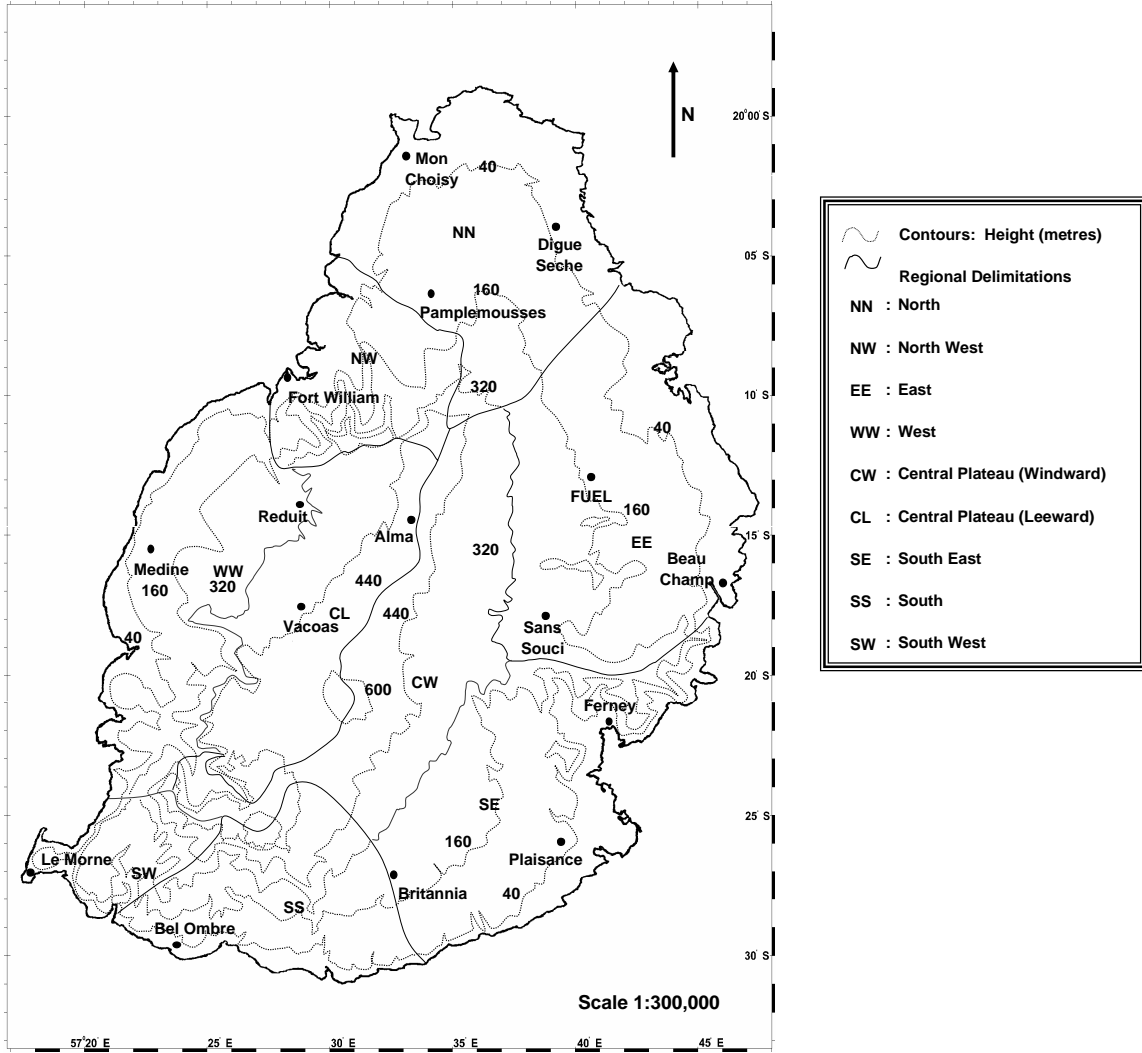
Automatic Weather Stations

22 automatic weather stations have been installed at different sites over the island. There are also two stations in Rodrigues. Weather parameters observed by these automatic weather stations are : humidity, rainfall, temperature and wind.

4. METEOROLOGICAL SUMMARIES

Monthly summaries of meteorological observations in the form of mean totals, extreme values with date of occurrence and departure from long term mean are presented in this issue for various climate parameters of stations located in Mauritius, Rodrigues and the Outer Islands.

Map of Mauritius showing Contours and Basin



Area of responsibility of the Republic of Mauritius for the naming of tropical Cyclones

WEATHER SUMMARY - May 2008

Convective activity remained weak in the equatorial region all throughout the month. The few ragged convective cloud clusters observed were unorganized and shortlived.

The light wind conditions which prevailed over the Mascarenes during the first three weeks were conducive to the formation of sporadic localized thunderstorms. Worthy to note, is the funnel cloud observed in the afternoon at Phoenix on the Central Plateau, on May 2.

Atmospheric conditions became very unstable in the period 14 to 19 May. Two zones of unsettled weather crossed the island. The first one developed to the south west of Reunion on May 13. Active clouds associated to the system triggered frequent thunderstorms and lightning which illuminated the sky for hours in the evening. The next day it crossed Mauritius causing widespread thundery showers and hail in few regions. The electricity network was damaged as the electric storm struck one of the main power supply lines.

Very soon afterwards, another zone of unsettled weather developed between Mauritius and Rodrigues. It influenced the weather from 16 to 18 May, causing widespread heavy rain and thunderstorms all over the island. For e.g Arnaud and Plaisance recorded 310 mm and 192 mm of rainfall respectively over the 3 day period.

After the passage of a cold front on May 24 Mauritius came under the influence of cold and windy weather due to the anticyclone to the south of the mascarenes. A drop of 2 to 4 degrees Celsius in temperature was noted all through the island. This was infact the very first surge of cold air indicative of an early onset of winter 2008.

Temperature both minimum and maximum was close to average at Mauritius and Rodrigues. The minimum at St Brandon and Agalega were close to the average. It is to be noted that on certain nights due to the calm conditions and clear skies the minimum dropped by 3 to 5 degrees below the long term average. A minimum temperature of 9.7°C was recorded by the automatic weather station at Arnaud on May 27.

Total rainfall over Mauritius for the month was well above the long term mean 180%. Rainfall at St Brandon was close to average. However the second fortnight of May was very dry with rainfall amounting only to 7% of the long term mean.

Rainfall at Agalega was well above the long term mean 160%. Rodrigues saw a very wet month with as much as 201% of the long term mean rainfall at Pointe Canon.

Mean sea level pressure was slightly above average at Mauritius and Agalega, close to normal at St Brandon but below average at Rodrigues.

RAINFALL IN MAURITIUS --- MAY 2008

STATIONS	Location	Alt m	Total mm	Dep from Normal	No of days on which RR reached or exceeded					Maximum Rainfall	
					1 mm	5 mm	10 mm	25 mm	50 mm	in 24 hr mm	Date
REGION : NORTH											
Cap Malheureux	594374	3	109.0	10.6	10	7	5	1	0	27.0	18
Mont Choisy	12333	9	130.5	50.4	9	6	4	2	1	56.3	17
Sottise	12342	18	148.0	61.7	9	8	4	2	1	55.4	17
Mapou Cour	16382	40	132.1	42.6	9	9	5	1	0	30.2	16
St. Antoine (Cour Usine)	24391	30	147.0	38.6	12	7	5	3	0	34.0	16
Bain Boeuf (AWS)	510360	7	131.2	-	12	8	5	1	0	29.2	16
Digue Seche	36396	30	175.4	55.1	10	8	8	2	0	39.0	16
Solitude (La Plaine)	48322	30	159.0	91.8	9	6	5	2	1	54.3	17
Mon Loisir Rouillard (AWS)	20370	55	191.8	-	11	9	6	3	1	56.6	16
Mon Loisir Rouillard	19371	49	162.0	59.2	10	9	6	3	0	46.0	16
Fond du Sac	26345	40	160.3	89.2	9	8	6	2	1	55.7	17
Mapou (BVM)	28360	64	186.0	80.5	13	8	6	2	1	80.0	17
Fleurant	29387	46	170.7	67.3	9	7	6	3	0	49.0	16
Forbach (BVM)	35375	58	181.0	74.0	12	7	5	3	1	59.0	17
Fair Fund	39347	84	148.0	60.2	9	7	6	2	1	52.0	17
Belle Vue (BVM)	39356	104	164.0	55.9	12	6	5	2	1	52.0	17
Labourdonnais	40365	73	138.0	32.1	10	7	5	1	1	56.4	17
L'Esperance (BVM)	42386	69	178.0	69.2	12	7	5	3	1	56.0	17
NPIPP	36342	-	165.2	-	12	7	5	3	0	36.7	16
St. Andre (Cour)	46336	55	134.0	-	10	7	6	2	0	32.0	17
Mauricia (B.V.M.)	46353	91	213.5	114.3	13	7	5	2	2	65.0	17
Schoenfield	46396	40	105.5	2.1	13	6	5	1	0	31.6	17
St. Andre (AG22)	50328	44	151.0	-	10	7	6	2	0	40.0	17
Mon Choix	56366	122	141.8	26.1	12	5	4	2	0	45.0	17
Beau Plan	57340	65	177.0	88.0	12	7	6	2	1	67.0	17
Beau Sejour	57379	114	112.6	-1.7	12	5	4	1	0	37.0	17
Champ Rose	59327	41	151.0	70.3	8	7	6	2	1	55.0	17
Pamplemousses (MSIRI)	61346	79	202.3	103.1	14	7	6	3	1	54.2	16
Maison Blanche	64351	96	153.0	33.7	9	8	5	3	1	51.0	17
Mon Loisir S.E.	66404	64	82.5	-37.2	10	7	3	0	0	14.7	29
The Mount	67357	119	234.2	99.3	17	14	7	3	1	50.8	16
Esperance (Beau Plan)	70347	88	208.0	95.5	9	7	6	2	1	79.0	17
Belle Vue Maurel	74400	97	137.4	13.4	13	6	4	2	0	31.5	17
Mon Piton	63370	177	247.2	124.9	12	9	5	3	1	86.0	17
Antoinette	74381	171	213.2	69.8	14	10	8	2	1	57.1	16
Grande Rosalie	79362	198	316.2	174.8	18	10	8	5	2	61.0	18
Mon Songe	81381	186	179.7	8.2	17	10	6	2	0	43.9	17
California	91369	262	283.5	104.3	19	11	8	4	1	73.7	17
Industrie (Cour)	100355	180	161.0	38.9	10	7	4	3	1	63.0	17
REGION: NORTH WEST											
Massilia	66315	40	-	-	-	-	-	-	-	-	-
Cantin	73303	24	139.6	81.6	8	6	3	3	1	59.0	17
Balaclava (AWS)	50310	18	175.2	-	10	7	6	3	0	43.0	16
Richeterre (Versailles)	76310	30	161.2	95.4	10	6	5	3	1	71.2	17
Cite La Cure	88313	40	115.1	-	8	5	2	2	1	56.2	17
Fort William (P.L.H.R.)	91287	6	147.1	98.9	6	5	5	3	0	49.0	16

* Often

- Data not available

aws: automatic weather station

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REGION : NORTH WEST											
Port Louis (aws)	100300	5	121.4	-	7	5	5	3	0	35.0	16
Le Souvenir	69336	70	158.0	65.4	9	5	5	1	1	74.0	17
Amitie (I)	74335	85	188.0	96.5	10	6	4	2	1	96.0	17
Amitie (2)	81324	88	155.0	72.3	11	6	4	2	1	71.0	17
Notre Dame	85334	131	193.0	97.9	11	5	3	2	1	120.0	17
Domaine Les Pailles (aws)	117293	90	129.8	-	6	5	5	2	0	37.4	16
Valton	92335	146	162.0	60.0	11	5	4	2	1	92.0	17
Beau Fonds	91349	236	239.0	127.8	10	7	5	3	1	130.0	17
REGION : WEST											
Pointe aux Sables	102272	15	68.5	-	6	5	4	0	0	21.8	14
Albion (Medine)	127240	12	95.5	61.5	6	5	3	2	0	37.4	14
Albion (aws)	120240	5	110.4	-	6	5	4	2	0	34.8	14
Balisage	138232	40	122.8	91.6	6	5	5	2	0	47.0	14
Petite Riviere Noire	232223	3	204.4	155.8	5	5	4	4	2	73.4	14
Case Noyale	242220	15	251.0	183.9	11	7	5	3	2	76.0	14
Petit Verger	109260	52	54.8	-	6	5	3	0	0	15.8	14
Richelieu	113272	67	81.0	31.1	6	6	4	1	0	33.0	14
Gros Cailloux	124254	82	57.0	15.6	6	3	3	0	0	21.6	14
St Antoine (Medine)	134249	116	68.0	30.9	4	3	3	1	0	28.0	16
La Mecque	149234	85	81.5	41.6	4	3	2	2	0	40.5	14
La Ferme	152248	140	81.2	42.2	8	4	3	2	0	28.0	14
Belle Vue (Medine)	153228	61	73.0	45.0	6	3	2	1	0	40.8	14
Medine (Medine)	155233	91	66.7	24.0	5	3	2	1	0	36.2	14
Palmyre (No.1)	168233	91	67.1	25.4	3	2	1	1	1	55.7	14
Clarens (Medine)	178236	67	114.6	78.2	4	4	2	2	1	66.3	14
La Verette	190247	72	69.6	34.8	7	3	3	1	0	31.9	14
Magenta	191260	88	110.0	64.4	4	3	3	2	0	45.0	16
Tamarin (Estate)	193238	43	75.9	31.9	7	4	3	1	0	26.5	16
Yemen	202242	67	70.9	22.4	7	4	2	1	0	27.4	14
Beaux Songes (aws)	160250	225	94.8	-	9	4	3	2	0	31.8	16
Chebel	125270	162	98.6	55.1	6	4	4	2	0	32.0	14
Bagatelle (Medine)	131292	302	209.5	123.9	10	6	4	3	2	69.1	17
Le Bosquet	133263	183	77.6	35.0	5	3	3	1	0	30.0	14
Barkly (Exp. Station)	133272	207	98.0	43.3	14	7	2	1	0	30.0	14
Le Reduit (MSIRI)	139293	311	155.8	71.4	7	6	4	2	1	70.1	16
La Chaumiere (R.B. No1)	140259	174	81.9	34.7	4	3	3	2	0	27.4	14
Trianon (Estate)	150291	305	162.1	-	9	5	4	2	1	79.2	16
Corps de Garde	162264	281	-	-	-	-	-	-	-	-	-
Beaux Songes (Medine)	160250	225	82	29.8	4	3	2	2	0	39	14
Pierrefonds	171261	278	150.0	103.2	3	3	3	3	2	65	16
Bassin	177268	314	143.9	86.3	5	3	3	3	1	81.3	16
REGION : SOUTH WEST											
La Gaulette	250215	10	279	203.8	10	7	6	3	3	80.4	14
Le Morne (AWS)	260190	2	203.6	-	10	6	5	3	2	59.4	14
Le Morne Brabant	273184	3	229.0	154.3	9	9	6	3	3	58.0	18
Coteau Gambier	265190	55	223.9	-	15	4	4	3	2	72.7	14

* Often

- Data not available

aws: automatic weather station

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REGION : SOUTH WEST											
Embrasure	268204	45	215.0	-	8	6	4	3	3	70.0	17
La Crete	253230	290	337.5	231.9	14	8	6	4	3	92.0	14
Terres Couleurs	262220	259	343.0	231.1	16	9	6	4	3	99.0	16
Chamarel (Estate)	262230	267	322.0	197.9	18	8	6	4	3	87.0	16
Plaine Champagne	254258	701	439.4	184.5	16	13	8	7	4	76.9	14
REGION : SOUTH											
Beau Champs (B.O)	299260	21	274.0	108.9	17	10	7	5	2	67.0	14
Bel Ombre	301244	8	355.8	233.2	16	11	8	5	2	125.0	14
St Felix (Factory)	301277	24	569.6	435.4	17	12	10	7	5	147.3	18
Bel Air St. Felix	305288	40	530.4	413.5	16	12	9	7	5	111.8	18
Terracine	306308	30	345.0	199.4	18	12	9	4	3	90.0	18
Souillac (aws)	310320	28	341.0	-	17	11	8	3	2	105.6	18
Cascades	283273	153	281.7	100.6	18	13	6	4	2	67.3	14
Choisy Estate	288223	70	422.5	303.2	18	11	8	4	4	97.0	17
Chamouny	289279	131	279.9	75.4	19	12	7	3	1	99.5	14
Frederica	290250	125	484.3	330.2	17	15	8	5	4	100.2	17
Canal Vacoas	294241	46	292.6	162.9	17	9	7	4	2	70.0	17
Ste. Marie	295273	53	371.0	209.1	19	13	11	6	2	82.0	18
Fontenelle	297315	94	345.0	181.3	18	12	10	6	2	61.0	14
St. Aubin	300322	86	345.9	213.9	17	10	8	4	3	69.7	14
Riviere des Anguilles	301330	82	286.0	137.2	14	12	9	5	2	75.0	18
Bel Air (Benares)	302339	49	301.0	157.6	16	13	8	3	2	91.0	18
Union Savanne	304322	64	307.0	156.3	18	13	8	4	2	66.0	14
Val Riche	274261	305	626.0	405.1	16	16	9	7	4	132.0	18
Luchon	275273	236	644.2	324.6	18	15	12	6	4	182.9	17
Satana	289260	168	304.0	142.9	18	10	9	5	2	75.0	18
Combo	287319	175	386.0	194.0	20	14	9	8	2	70.0	16
Bois Sec (U)	265306	439	531.0	285.4	24	15	12	8	4	100.0	18
Bois Cheri	254312	475	632.6	323.4	28	13	12	8	4	136.0	16
Pradier	249297	600	627.5	-	22	16	11	9	5	133.0	16
Grand Bassin (aws)	240295	605	510.2	-	20	14	10	6	3	146.4	16
REGION : SOUTH EAST											
Pointe aux Feuilles	183463	15	187.0	31.4	13	7	5	2	1	61.0	18
Bestel	204403	15	530.5	272.7	21	19	13	6	3	144.6	18
Camizzard	208417	21	549.0	274.3	21	16	12	7	2	200.2	18
Providence (F)	215439	24	374.7	225.6	16	10	7	4	2	133.4	18
Ferney	216420	6	376.5	171.1	18	9	8	5	2	142.6	18
Le Vallon	220410	3	420.6	245.9	19	12	8	4	2	167.9	18
Campement	203413	20	318.8	-	15	8	6	4	2	145.5	18
Ste Helene	251405	40	349.8	200.2	17	10	6	5	2	110.0	18
Beau Vallon (Cour)	252416	21	284.2	144.7	15	9	7	3	2	93.0	18
Terre Rocheuse (BVWest)	257413	27	273.2	129.5	14	7	7	3	2	87.0	18
Terre Rocheuse (RLChaux)	260424	9	284.8	147.8	12	9	6	2	2	102.0	18
Mon Desert (M.D.M.T.)	271403	23	290.4	150.0	14	7	5	4	2	120.0	18
Riviere Tabac	293378	31	284.6	145.8	14	8	7	5	2	96.0	18
Florine	211390	145	433.6	190.6	19	15	10	6	3	105.4	18

* Often

- Data not available

aws: automatic weather station

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STATIONS	Location	Alt m	Total mm	Dep. from Normal	No of days on which RR reached or exceeded					Maximum Rainfall	
					1 mm	5 mm	10 mm	25 mm	50 mm	in 24 hr mm	Date
REGION : SOUTH EAST											
Le Val	213373	137	-	-	-	-	-	-	-	-	-
Cent Gaulettes	214384	145	435.2	196.7	20	14	11	4	3	105.4	18
Riviere des Creoles	220389	134	453.2	235.7	20	15	9	5	3	121.8	18
Riche En Eau	231394	110	368.9	171.7	17	12	9	4	1	122.2	18
Riche En Eau (aws)	-	-	395.2	-	17	12	11	6	2	120.4	18
Astroea (R.E.E)	233379	163	417.6	194.2	20	13	10	5	1	127.2	18
Courbevoie	243400	69	372.3	207.1	18	12	6	5	2	127.5	18
Ruisseau Copeaux	250385	114	453.7	311.9	19	12	7	5	3	152.3	18
Mon Tresor	254392	73	404.8	216.9	15	10	6	5	3	144.7	18
Plaisance	261410	50	375.3	221.9	15	9	5	5	2	138.2	18
Gros Bois	264365	160	385.5	182.4	17	12	9	6	2	111.0	18
Union Vale	267389	58	319.6	171.3	15	11	7	4	2	118.0	18
Sauveterre	276390	49	287.3	153.3	15	11	5	4	2	106.0	18
La Baraque	280371	76	-	-	-	-	-	-	-	-	-
Colmar Siding Benares	284334	168	372.4	170.9	19	13	11	5	2	80.0	18
Savinia	285380	49	326.5	172.0	17	10	7	5	1	105.2	18
Chateau Benares	288349	107	300.3	109.3	17	12	9	4	2	70.0	18
Savanah	291365	58	281.3	122.9	17	12	8	4	2	88.0	18
St. Felix (B.A.S.E)	293339	122	282.0	79.5	17	13	10	3	3	50.0	14
Benares	296349	76	281.5	130.4	18	12	7	3	2	65.0	14
Montagne Ronde	201387	216	505.8	212.0	20	14	13	6	3	121.0	18
Eau Bleu Tostee	227363	213	602.7	330.9	21	14	12	7	4	158.3	18
Mont Vernon	232369	287	494.8	238.8	19	13	11	6	2	168.4	18
Astroea (R.B)	233360	274	-	-	-	-	-	-	-	-	-
Rose Belle	238355	280	626.3	372.3	21	17	15	9	4	104.0	18
Deux Bras	239278	158	489.1	304.2	21	15	10	5	4	144.8	18
New Grove	251361	219	-	-	-	-	-	-	-	-	-
Hewetson	261341	255	602.2	410.1	20	15	11	6	4	164.2	18
St. Avoild	262331	293	565.6	345.8	18	14	12	7	3	135.0	18
Joli Bois	264349	216	496.3	285.5	20	14	10	6	4	155.0	18
Britannia	271334	229	628.5	408.6	20	14	11	8	4	143.0	18
Riche Bois (B)	274346	191	408.8	212.1	17	12	9	5	3	119.0	18
REGION : EAST											
Haute Rive	67429	18	96.5	-6.8	10	6	4	1	0	27.0	16
Bras D'Eau	82443	9	124.0	5.1	5	5	5	2	1	55.0	19
Providence (P.de Flacq)	100441	6	139.0	0.6	12	7	5	2	0	42.0	18
Bassin Requins	102452	8	193.0	68.1	13	8	5	3	1	65.0	18
Constance	107424	40	144.5	4.2	14	8	4	1	0	42.0	18
Belle Mare	116461	3	171.5	37.0	12	7	5	2	1	72.0	18
Mare La Chaux	117451	20	161.0	28.3	10	7	5	2	1	70.5	18
Palmar (aws)	138480	5	208.4	-	13	10	6	2	1	81.2	18
Beau Rivage	153472	3	197.1	70.1	15	9	4	2	1	72.4	18
Beau Champ - Littoral	164465	15	202.2	60.0	13	10	6	2	1	81.0	18
Grande Retraite (La Retraite)	97404	113	158.0	-4.5	16	8	6	2	0	32.0	17
Allendy (BV)	116414	109	154.0	-12.8	17	9	7	1	0	40.0	17
Argy	116439	43	141.5	-5.9	16	9	5	1	0	34.0	18

* Often

- Data not available

aws: automatic weather station

RAINFALL IN MAURITIUS --- MAY 2008

STATIONS	Location	Alt m	Total mm	Dep from Normal	No of days on which RR reached or exceeded					Maximum Rainfall	
					1 mm	5 mm	10 mm	25 mm	50 mm	in 24 hr mm	Date
REGION : EAST											
FUEL (UNION)	127410	146	228.3	60.6	18	9	6	1	1	84.2	17
La Gaiete	128435	64	174.6	16.3	16	10	5	2	0	39.7	17
Queen Victoria	132424	125	211.0	30.1	20	10	7	2	1	68.0	17
Queen Victoria (aws)	130420	112	190.8	-	18	9	6	2	0	41.0	17
Belle Etoile	137453	71	177.5	37.7	12	6	5	2	1	86.0	18
Naye	139440	85	222.9	46.7	16	10	5	3	1	64.6	17
Caroline	148450	64	238.8	86.0	15	10	5	2	2	87.0	18
Clemencia	153421	119	323.4	128.9	17	9	6	3	3	95.3	17
Belle Rose (DRBC)	153434	82	197.0	17.1	16	10	5	3	1	65.0	18
La Lucie	154441	73	161.9	-2.1	16	10	5	1	0	45.8	18
Terre Franche (DRBC)	166438	79	264.5	74.6	15	12	6	3	2	76.0	18
Grand Port (DRBC)	167458	64	201.0	61.2	14	11	5	2	1	72.0	18
Trois Ilots	171449	91	261.9	95.3	17	8	6	2	1 1	10.0	18
La Louise (T. Rocheuse)	174421	156	299.9	98.2	17	14	9	3	2	70.0	18
Olivia	178441	101	296.2	92.2	19	13	8	4	2	72.0	18
Beau Vallon (DRBC)	178449	110	301.4	146.6	18	10	7	5	2	91.8	18
Etoile	183442	116	418.8	181.1	17	13	9	5	1 1	58.6	18
Belle Rive (DRBC)	186431	116	263.0	34.3	17	9	8	3	1	66.4	18
Rich Fund	125399	189	246.1	48.7	16	9	7	2	1	87.7	17
Unite	138401	226	292.0	97.2	16	8	7	2	2 1	25.0	17
Gibraltar	138412	165	283.0	92.6	15	8	7	4	1	95.7	17
Bel Etang	145391	265	387.9	163.8	20	11	9	4	2 1	34.0	17
Sans Souci	178392	277	431.4	123.8	22	12	10	5	3	85.0	18
REGION : CENTRAL PLATEAU WINDWARD											
Bonne Veine (MDA)	143353	433	309.4	78.9	16	8	8	3	2	91.2	17
Providence	146371	369	393.6	145.2	25	13	9	4	3	95.0	16
Providence (aws)	148367	378	333.2	-	19	10	7	4	2	100.4	16
Grosse Roche	172375	335	443.6	165.2	25	14	11	3	3	98.0	17
Piton du Milieu	175346	442	369.0	110.2	17	12	8	5	2	133.9	16
Eau Bleue Dam	211357	347	337.1	47.8	21	11	8	4	2	73.0	18
Union Park (MSIRI)	230344	357	575.0	307.1	21	16	13	6	3	162.2	18
Beau Climat	234336	390	-	-	-	-	-	-	-	-	-
La Flora	248334	360	743.3	507.9	19	15	12	8	5	188.6	18
Nouvelle Decouverte(aws)	110350	480	320.0	-	15	10	7	4	2	105.4	17
Belle Rive (1E)	170335	476	497.8	264.5	23	11	8	6	2	199.0	16
Belle Rive (2E)	174335	467	461.1	225.1	22	13	8	5	2	205.8	16
XVI Mile(Mon Bois)(aws)	200320	590	-	-	-	-	-	-	-	-	-
REGION : CENTRAL PLATEAU LEEWARD											
Beau Bois (MDA)	124335	436	250.8	68.6	15	10	7	3	2	87.1	17
Mon Desert Alma	133316	367	223.0	101.3	12	7	4	3	2	70.4	16
Minissy (MDA)	135302	354	211.6	118.4	9	6	4	3	2	70.4	17
Minissy (H)	143306	366	220.7	113.2	14	7	4	2	2	77.2	16
Moka (aws)	130300	344	156.0	-	12	6	4	2	1	63.0	16
Cote d'Or	147315	412	221.8	95.7	15	9	4	2	2	83.3	16
Bagatelle (H)	151308	393	234.2	118.0	14	7	4	2	1	113.5	16

* Often

- Data not available

aws: automatic weather station

RAINFALL IN MAURITIUS --- MAY 2008

STATIONS	Location	Alt. m	Total mm	Dep from Normal	No of days on which RR reached or exceeded					Maximum Rainfall	
					1 mm	5 mm	10 mm	25 mm	50 mm	in 24 hr mm	Date
REGION : CENTRAL PLATEAU LEEWARD											
Quatre Bornes (Michaud)	159280	353	138.7	58.5	8	5	3	3	1	57.0	16
Highlands	164305	421	218.5	101.8	10	7	5	3	1	102.0	16
Vacoas	176294	424	232.0	111.7	11	8	5	3	1	116.0	16
Burgos	182258	396	139.1	90.9	5	3	3	1	1	87.8	16
Reunion	184293	433	255.0	127.9	8	7	4	3	2	92.4	17
Holyrood	186275	396	125.6	61.1	6	4	3	2	1	52.5	16
Moon	192276	430	163.8	73.3	7	4	3	2	1	76.2	16
Alma	144340	451	293.9	89.1	16	10	6	2	2	100.6	17
Valetta	152334	448	276.1	82.9	17	9	7	2	2	118.6	16
Hermitage	161318	454	245.7	75.0	14	8	5	2	2	77.2	16
Belle Rive (MSIRI)	168326	488	365.4	150.3	16	10	7	3	2	188.0	16
Wooton	182316	564	249.1	34.5	13	9	6	3	1	100.0	16
Henrietta	199281	469	203.4	96.9	8	6	5	3	2	80.0	16
Trou aux Cerfs (aws)	178310	614	348.0	-	17	11	9	4	2	115.0	16
La Marie	201290	353	273.1	135.0	12	9	7	4	2	65.0	16
Tamarin (Res.)	211275	485	146.5	23.0	17	6	5	2	0	38.1	17
Bonne Fin	214283	536	243.4	97.3	8	7	5	2	2	89.8	17
Good End	216294	564	411.4	209.5	19	12	8	6	3	99.8	16
Mare Longue	225275	579	396.6	210.4	19	11	8	5	4	89.0	16
Arnaud	228295	576	509.7	255.0	24	13	10	8	4	110.8	16
Arnaud (aws)	170290	580	517.0	-	22	13	10	8	2	153.4	16
Petrin	243275	655	628.0	357.7	19	16	10	6	6	160.0	16
REGION : RODRIGUES											
Pointe Canon	407255	58	157.2	78.9	13	8	6	2	0	44.4	3
Corail Airport	454216	33	116.5	44.4	10	7	3	2	0	28.9	18
Citronelle (aws)	418265	335		-							
REGION : AGALEGA ISLANDS											
Agalega	10° 21' S 56° 35' E	3	163.1	61.3	10	7	4	1	1	92.3	27
REGION : ST. BRANDON ISLANDS											
St. Brandon	16° 27' S 59° 37' E	4	83.3	4.6	8	3	3	1	0	30.6	2

* Often

- Data not available

aws: automatic weather station

MEAN MONTHLY RAINFALL May 2008

Isohyetal Analysis (mm)

REGION HEIGHT	NORTH	NORTH WEST	EAST	WEST	CENTRAL PLATEAU		SOUTH EAST	SOUTH	SOUTH WEST
					Windward	Leeward			
0 -- 40	144	144	148	103			316	360	254
40 -- 160	169	155	224	99	372		374	367	284
160 -- 320	234	193	369	141	424		529	471	324
320 -- 440	250	222	427	265	485	222	550	557	433
440 -- 600	250	254		350	494	316		633	453
600 -- 680		250		350	564	521		646	433
>680					659			694	
Total Mean	169	172	255	115	492	288	413	472	333

Mean Rainfall over Mauritius : 298.8 mm

Percentage Rainfall of Long Term Mean : 188 %

After a very dry April, it eventually rained quite significantly and May 2008 turned out to be very wet with a mean rainfall of 299 mm over Mauritius representing 188% of the long term mean 1971-2000.

However, the first week was mainly dry followed by 4 rainfall episodes namely 08-12, 14-20, 23-24, and 29-31.

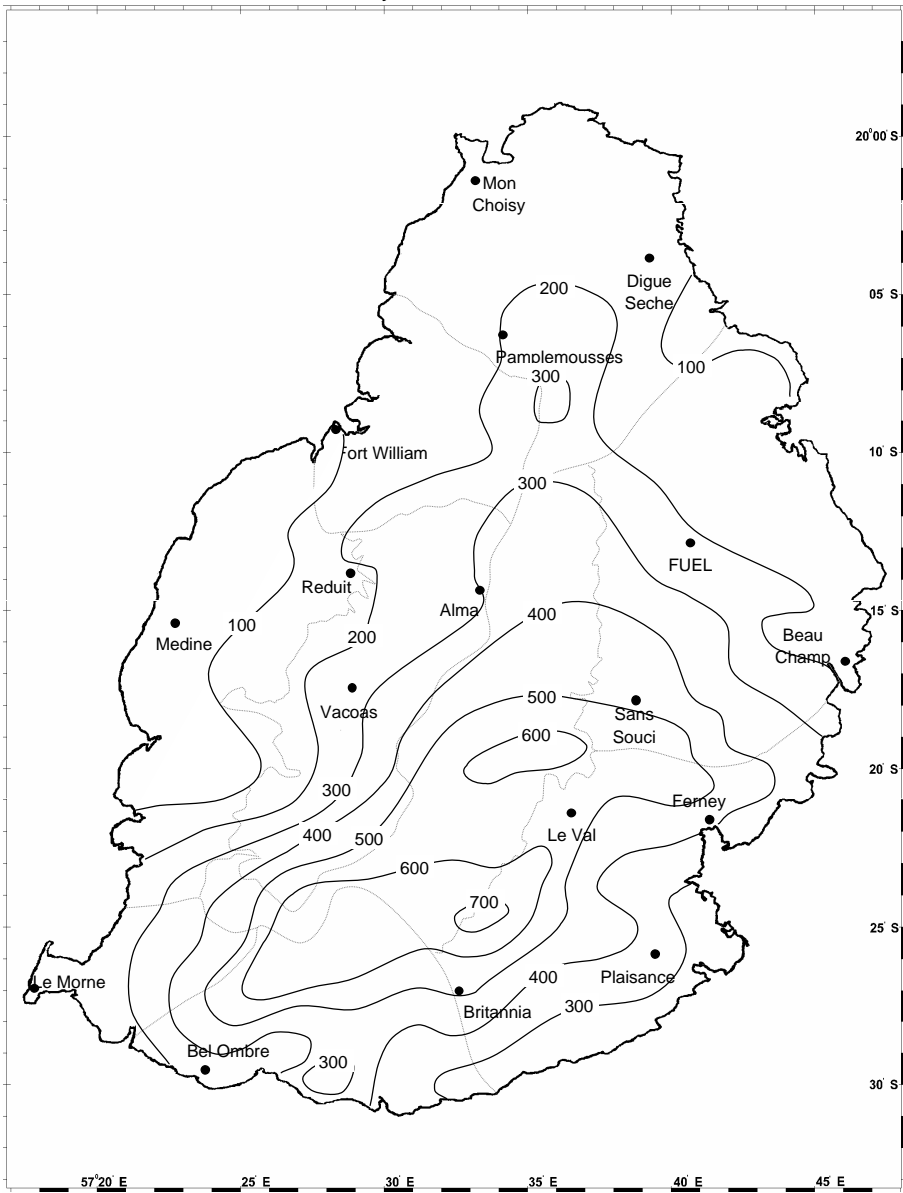
The second rainy episode was the most significant one where two active cold fronts crossed the island on the 16 and the 19. Afterwards, easterly waves coupled with a very unstable atmosphere contributed significantly to the bulk of precipitation. Over some regions of the island, particularly to the south and over the central plateau, moderate showers were frequent. There were even reports of thunder / lightning on the 14, 16 and 18 with water accumulation that affected crops in certain areas.

Actually the first half of May had only a mean rainfall of 58 mm representing 36 % of the LTM and the second half had a mean of 228 mm representing 144% of the LTM.

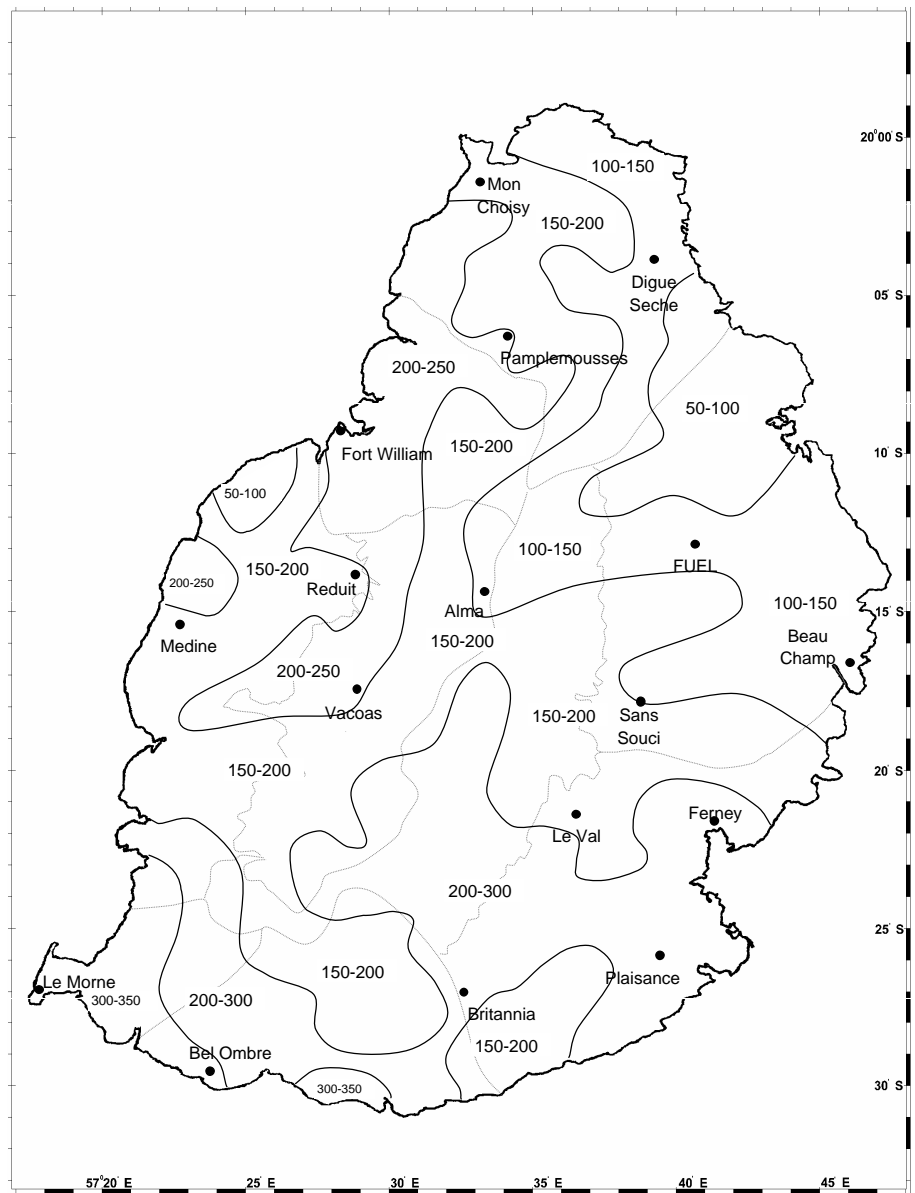
Overall, all regions of the island had above normal precipitation with the windward side of the central plateau recording the highest amount namely 492 mm. However, the southwest had the highest percentage of rainfall, that is 273%.

RAINFALL ANALYSIS - May 2008

Isohyets in millimetres



Expressed as a percentage of the mean



METEOROLOGICAL SUMMARIES

May 2008

Monthly Data from Climatological Stations

STATIONS	TEMPERATURE (°C)										RELATIVE HUMIDITY (%)				EVAPORATION (mm)					BRIGHT SUNSHINE (Hrs)					MEAN SOIL TEMP (°C)			
	Mean	Departure from Normal	Mean Minimum	Departure from Normal	Mean Temperature	Departure from Normal	Highest Maximum	Date	Lowest Minimum	Date	Mean Realtime Humidity (AM)	Mean Relative Humidity (PM)	Lowest Relative Humidity	Date	Total Evaporation	Number of days	Departure from Normal	Daily Max. Evaporation	Date	Total Sunshine	Departure from Normal	Mean Daily	Daily Maximum	Date	Depth 30cm	Depth 50cm	Depth 100cm	
Fort-William	31.2	1.9	20.5	-1.0	25.9	0.5	32.5	9	18.0	28																		
DigueSeche	-	-	-	-	-	-	-	-	-	-					105	26	-26	9.0	16	230	7	7.4	10.9	1				
Labourdonnais	28.6	1.4	18.6	-0.7	23.6	0.4	30.4	2	15.3	28																		
NPIPP														94	27	-5	6.6	1	202	-24	6.5	10.6	1					
Constance	27.4	0.6	20.3	-0.2	23.9	0.2	31.2	1	16.2	22,27	80	71	57	25	81	30	-	5.0	11,25	215	23	6.9	10.7	24				
FUEL	26.1	-0.1	19.5	0.2	22.8	0.1	29.1	1	15.2	22	-	-	-	-						181	-13	5.8	10.1	23,25				
Sans Souci	26.5	1.4	16.4	-1.6	21.5	-0.1	29.0	1,2	13.0	28	97	85	59	24						193	10	6.2	9.9	13				
Le Val (aws)	-	-	-	-	-	-	-	-	-	-										-	-	-	-	-				
Rose Belle	-	-	-	-	-	-	-	-	-	-																		
Riche en Eau	26.8	0.8	18.6	-1.1	22.7	-0.1	30.5	1,2	14.5	26																		
Beau Vallon	27.0	0.5	19.8	-0.3	23.4	0.1	29.7	1	16.0	22																		
Sauveterre	27.9	1.9	19.9	-0.4	23.9	0.8	31.0	1	16.0	often				139	31	22	7.5	1	193	-10	6.2	10.0	3					
Britannia	25.3	0.4	17.1	-1.0	21.2	-0.3	27.2	13	13.9	26										163	-17	5.3	9.8	22				
Bois Cheri Tea Est.	23.6	0.2	16.4	-0.2	20.0	0	27.5	13	11.3	27										175	5.6	5.6	10.3	22				
Le Morne (aws)	27.9	-	23.0	-	25.5	-	32.4	1	21.0	14,26																		
Richelieu	29.1	1.2	18.9	-1.6	24.0	-0.2	31.0	*	16.0	21				94	21	-5	7.0	25										
Medine	28.4	0.3	20.0	0.5	24.2	0.4	30.7	13	16.8	28	-	-	-	-	92	25	-39	5	3,7	223	-19	7.2	10.8	26				
Barkly Exp. Station	29.3	-	20.2	-	24.8	-	30.6	15	17.5	15	90	81	59	20														
Case Noyale	28.0	-	18.1	-	23.1	-	30.6	4	16.0	27,28										237	20.1	7.6	10.1	9				
Mon Desert Alma	24.4	-0.6	17.5	0.2	21	-0.2	27.5	1	14.0	*	85	-	-	-						193	-	6.2	10.4	27				
Quatre Bornes	25.7	-0.2	19.3	0.6	22.5	0.2	30.6	1	15.5	22	90	75	52	25						222	-12	7.2	10.5	5				
Trou aux Cerfs (aws)	22.3	-	17.0	-	19.7	-	26.0	2,13	14.5	26																		

* Often

- Data not available

aws: automatic weather station

METEOROLOGICAL SUMMARIES

May 2008

Monthly Data from Agrometeorological Stations

STATIONS	TEMPERATURE (°C)										RELATIVE HUMIDITY (%)			EVAPORATION (mm)					BRIGHT SUNSHINE (Hrs)					MEAN SOIL TEMP (°C)			
	Mean Maximum	Departure from Normal	Mean Minimum	Departure from Normal	Mean Temperature	Departure from Normal	Highest Maximum	Date	Lowest Minimum	Date	Mean Relative Humidity (AM)	Mean Relative Humidity (PM)	Lowest Relative Humidity	Date	Total Evaporation	Number of days	Departure from Normal	Daily Max. Evaporation	Date	Total Sunshine	Departure from Normal	Mean Daily	Daily Maximum	Date	Depth 30cm	Depth 50cm	Depth 100cm
Pamplemousses	28.7	0.6	18.4	-0.2	23.6	0.2	31.5	1	14.0	23	80	77	57	27	96	31	-11	4.7	16	216	-20	7.0	10.5	25 & 27	25.3	25.3	
Reduit	25.2	0.2	16.8	-1.1	21.0	-0.4	28.5	13	14.0	23	84	74	60	22	105	30	0	5.2	6	213	-10	6.9	9.8	5	24.1	22.9	24.9
Belle Rive	25.3	0.7	16.6	0.1	21.0	0.4	28.0	1 & 3	12.0	27	88	78	54	26	97	30	2	9.5	26	194	-9	6.3	9.9	13 & 25	23.3	23.3	23.9
Union Park	24.7	0.4	17.8	0.2	21.3	0.3	28.2	1	13.7	27	84	80	56	22	79	28	-8	4.3	14	163	2	5.3	10.4	22	21.5	22.3	23.8
La Baraque	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Often

- Data not available

METEOROLOGICAL SUMMARIES

May 2008

Monthly Data from Synoptic Stations

STATIONS	TEMPERATURE (°C)										RELATIVE HUMIDITY (%)					BAROMETRIC PRESSURE (hPa)					BRIGHT SUNSHINE (Hrs)					EVAPORATION (mm)							
	Mean Maximum	Departure from Normal	Mean Minimum	Departure from Normal	Mean Temperature	Departure from Normal	Highest Maximum	Date	Lowest Minimum	Date	Mean Relative Humidity (AM)	Mean Relative Humidity (PM)	Mean Relative Humidity **	Difference from Normal	Lowest Relative Humidity	Date	Mean MSL Pressure **	Difference from Normal	Highest Mean MSL Pressure	Date	Lowest Mean MSL Pressure	Date	Total Sunshine	Departure from Normal	Mean Daily	Daily Maximum	Date	Total Evaporation	Number of days	Departure from Normal	Daily Max. Evaporation	Date	
Plaisance	27.0	0.2	20.5	0.3	23.8	0.3	29.8	1	15.6	27	83	71	76	-5	49	25	1017.6	0.7	1020.7	16	1013.6	3	175	-22	5.6	9.5	3	128	29	10	8.1	16	
Vacoas ***	24.8	0.0	17.9	0.2	21.4	0.1	28.0	1	15.0	22	92	74	83	0	49	25	968.2	-0.3	971.1	5	965.0	3	221	-8	7.1	10.7	25	107	30	-1	5.6	6	
Rodrigues	27.6	0.1	21.5	-0.1	24.6	0.0	30.1	1	19.0	26	82	74	78	3	57	25,26	1016.0	-0.7	1018.5	16	1012.2	3	206	-40	6.6	10.7	2	117	31	-33	6.5	1,2	
St.Brandon	28.8	0.9	24.4	0.3	26.6	0.6	31.7	1	21.7	15	84	80	83	4	63	27	1014.8	0.1	1017.4	16	1012.0	3											
Agalega	30.7	0.7	24.6	0.3	27.7	0.5	31.4	16	21.8	15	86	75	81	1	64	12	1012.5	1.0	1014.7	16	1010.0	3	274	-	8.8	10.8	1,8						

* Often

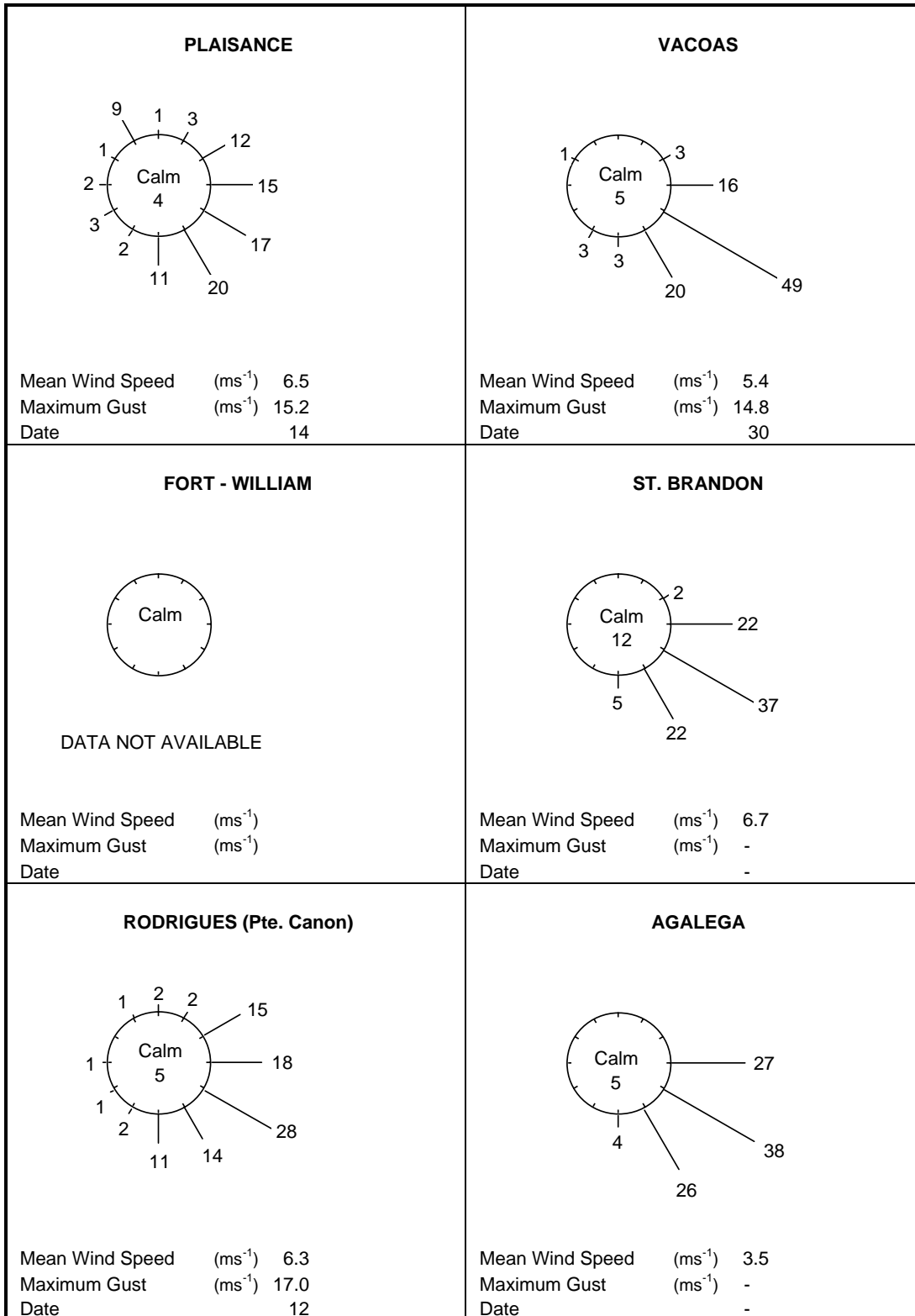
- Data not available

** Mean from main synoptic hours

*** Station level pressure

SURFACE WIND - May 2008

Wind Rose (% Frequency)



FREQ: 0 20 40 60 80 100

UPPER WIND OBSERVATIONS - May 2008

Vector Mean

LEVEL	850 hPa 1500 m	700 hPa 3000 m	500 hPa 5700 m	400 hPa 7500 m	300 hPa 9600 m	250 hPa 10800 m	200 hPa 12300 m	150 hPa 14100 m	100 hPa 16500 m
STATION	Deg kt	Deg kt	Deg kt	Deg kt	Deg kt	Deg kt	Deg kt	Deg kt	Deg kt
VACOAS	-	-	-	-	-	-	-	-	-
RODRIGUES	-	-	-	-	-	-	-	-	-

Maximum Wind

LEVEL	850 hPa 1500 m	700 hPa 3000 m	500 hPa 5700 m	400 hPa 7500 m	300 hPa 9600 m	250 hPa 10800 m	200 hPa 12300 m	150 hPa 14100 m	100 hPa 16500 m
STATION	Deg kt	Deg kt	Deg kt	Deg kt	Deg kt	Deg kt	Deg kt	Deg kt	Deg kt
VACOAS	-	-	-	-	-	-	-	-	-
RODRIGUES	-	-	-	-	-	-	-	-	-

Absolute Maximum Wind

STATION	Deg kt	Height (m)	Date
VACOAS	-	-	-
RODRIGUES	-	-	-

- Data not available