



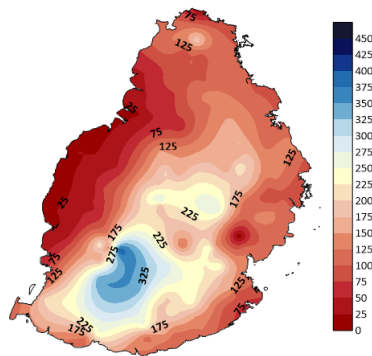
# MAURITIUS METEOROLOGICAL SERVICES

## CLIMATE JUNE 2024

### Introduction

June 2024 recorded above normal rainfall and the mean temperature was slightly warmer than the normal for the month. The El Niño Southern Oscillation (ENSO) and the Indian Ocean Dipole (IOD) were in the neutral phase whereas the Subtropical Indian Ocean Dipole (SIOD) was in the negative phase. The signal of the Madden Julian Oscillation (MJO) was weak in the Indian Ocean during the month.

### Monthly rainfall



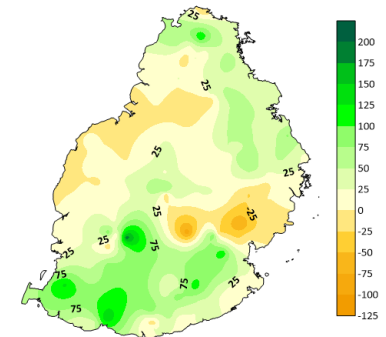
### Rainfall

Above normal rainfall was recorded for June 2024, amounting to 152 mm and which represents 130 % of the long-term mean. The highest mean rainfall for the month was observed over the Central Plateau

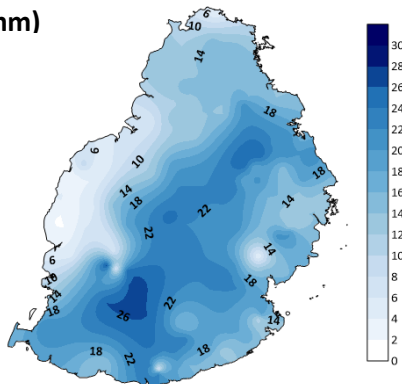
About 46% of the total rainfall was recorded in the first fortnight and the remaining amount in the second fortnight.

The highest cumulative rainfall for the month was 396.9 mm, recorded at Good End.

### Monthly rainfall Anomaly



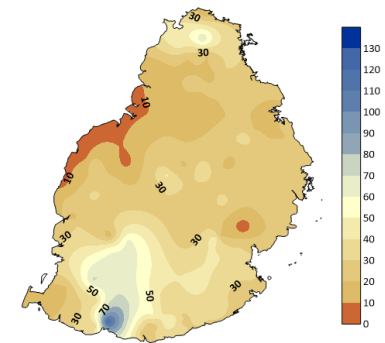
### Rainfall days (> 1 mm)



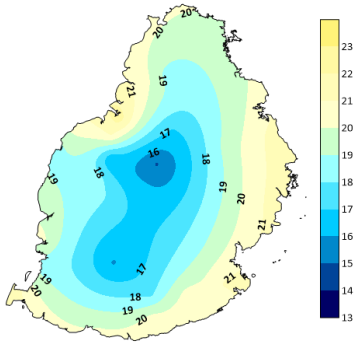
The highest number of rainy days ( $\geq 1$  mm) was observed at Tamarin Reservoir Dam with 27 rainy days.

Highest 24-hour rainfall was 120.4 mm recorded at Ste Marie, on 09 June.

### Highest 24-hour Rainfall



### Minimum Temperature

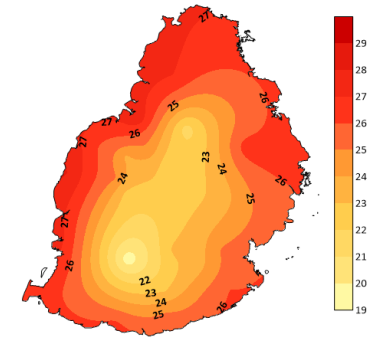


## Temperature

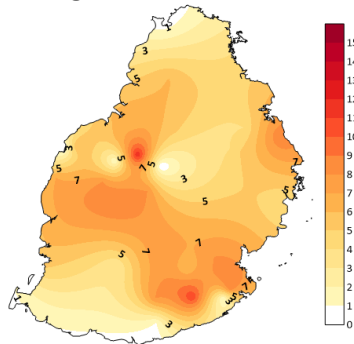
The highest maximum was 29.8 °C at Port Louis, recorded on 15 June. The lowest maximum temperature recorded was 16.1 °C at Grand Bassin on 28 June.

The highest minimum was 25.2 °C at Port Louis, recorded on 15 June and the lowest minimum was 12.4 °C at Bois Chéri, recorded on 04 June.

### Maximum Temperature



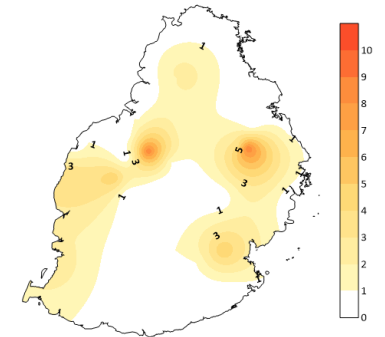
### Warm nights



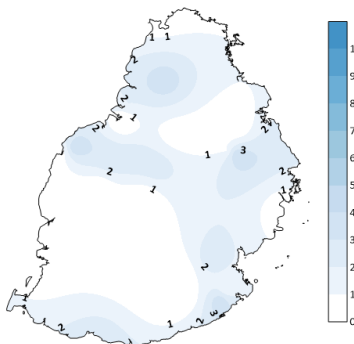
The highest number of warm nights observed was 12 at Mon Desert Alma and 11 at La Baraque.

Few warm days were recorded during the month. The highest number of warm days was 09 at Mon Deset Alma and Queen Victoria and 05 at Quatre Bornes and Riche en Eau.

### Warm days



### Cold nights

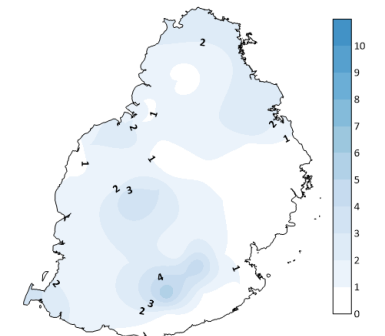


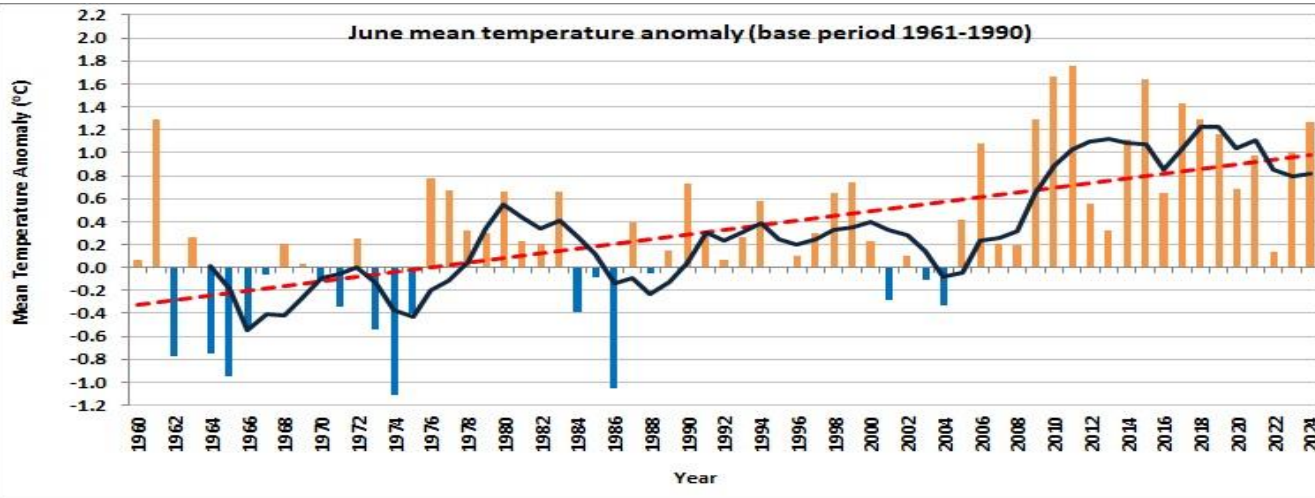
Few cold nights and cold days were recorded during the month.

The highest number of cold nights recorded was 04 at Mon Desert Mon Tresor, Queen Victoria, Ferret, Gros Cailloux and Bois Mangues.

The highest number of cold days recorded was 06 at Britania and 05 at Rose Belle.

### Cold days

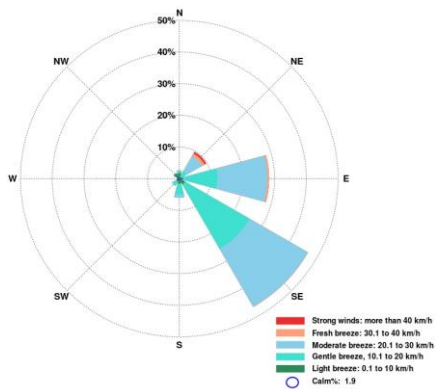




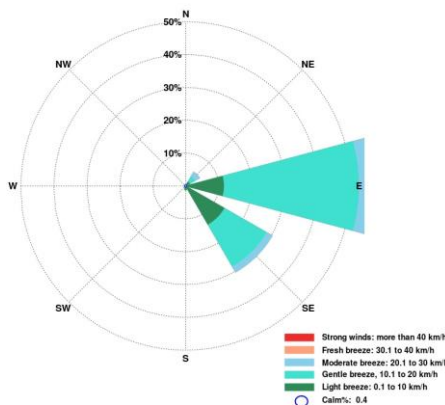
The mean temperature over the island was 0.66 °C warmer than the LTM of 1991-2020.

The mean minimum temperature was 1.0 °C warmer than long-term mean and the mean maximum temperature was 0.3 °C warmer than the long-term mean respectively.

## Winds



Plaisance



Vacoas

Wind frequencies show winds mainly from the South Eastern sector at Plaisance (top) and from the Eastern sector at Vacoas (bottom). Light to moderate winds prevailed most of the time over the island. However, on a few occasions, fresh breeze to strong winds were recorded at certain places.

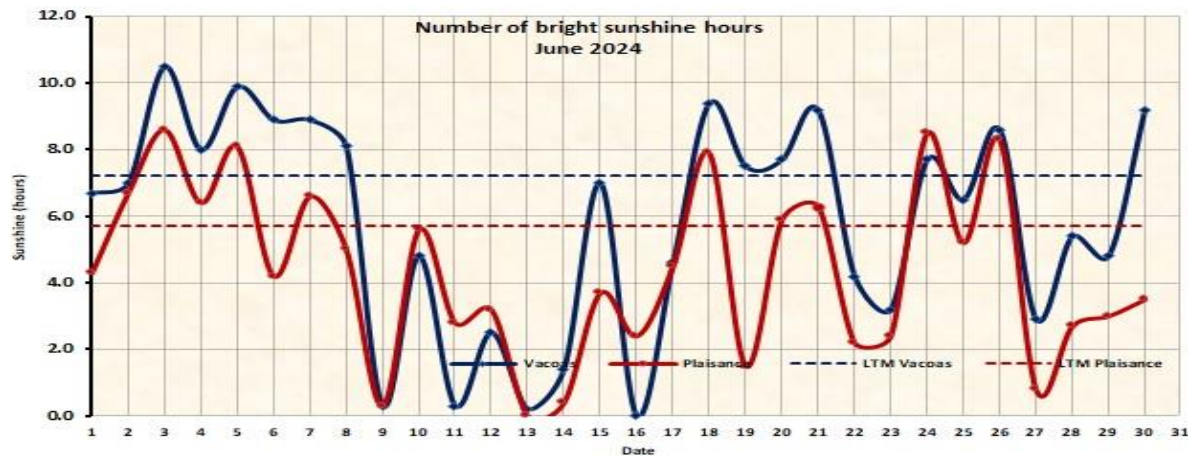
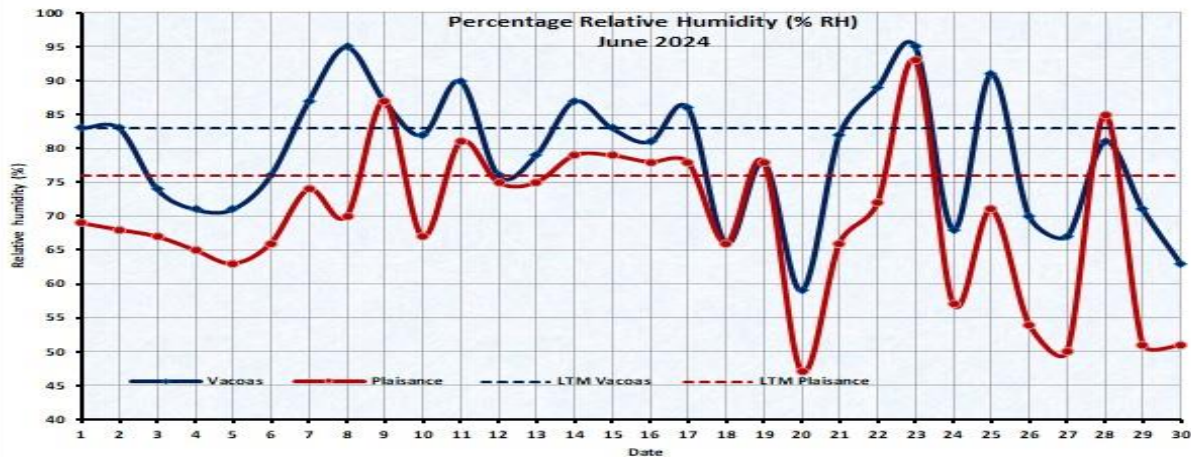
The highest gusts recorded over the island were as follows:

Regions	Highest gusts (km/h)	Date
Signal Mt.	95	13
Le Morne	80	25
Champ de Mars	79	4,11
Bagatelle Dam	78	12
Quatre Soeurs	77	28
Vacoas	74	12
D. Les Pailles	72	13
Plaisance (Pulsonic)	70	22
Grand Bassin	68	13

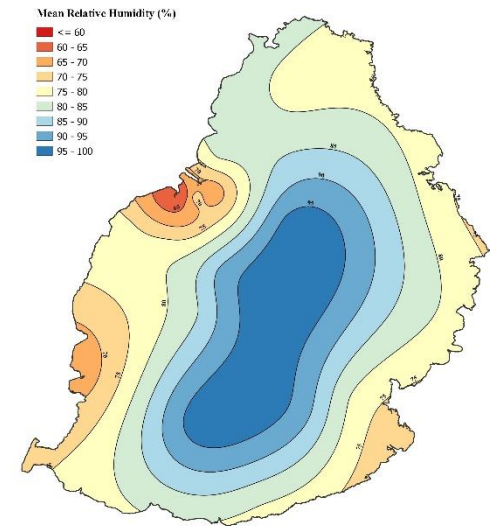
## Sunshine and Humidity

On average the mean relative humidity for the month was close to the normal both at Vacoas and Plaisance. The daily humidity ranged from 59 to 95 % at Vacoas and from 47 to 93 % at Plaisance.

The number of daily bright sunshine hours were 81 % of the normal at Vacoas and 77 % at Plaisance (anomaly of -1.4 at Vacoas and -1.3 at Plaisance). The highest number of sunshine hours was 10.5 at Vacoas and 8.6 at Plaisance (recorded on 03 June at both stations). The lowest number of sunshine hours was 0.0 both at Vacoas (recorded on 16 June) and at Plaisance (recorded on 13 June). The total number of bright sunshine hours for the month was 175.4 at Vacoas and 131.0 at Plaisance.



**Monthly mean humidity June 2024**



**Monthly total sunshine hours June 2024**

