



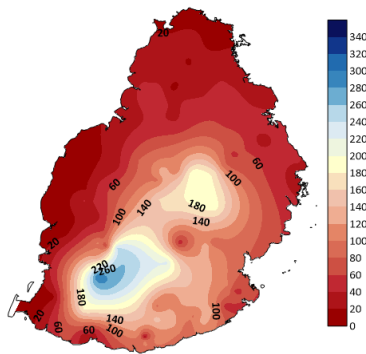
# MAURITIUS METEOROLOGICAL SERVICES

## CLIMATE OCTOBER 2024

### Introduction

Rainfall was above normal during October 2024 and the mean temperature was warmer than the normal for the month. The El Niño Southern Oscillation (ENSO), the Indian Ocean Dipole (IOD) and the Subtropical Indian Ocean Dipole (SIOD) were in the neutral phase. A wet phase of the Madden Julian Oscillation (MJO) was observed in the first fortnight in the Indian Ocean, which gradually weakened in the second fortnight of the month.

### Monthly rainfall



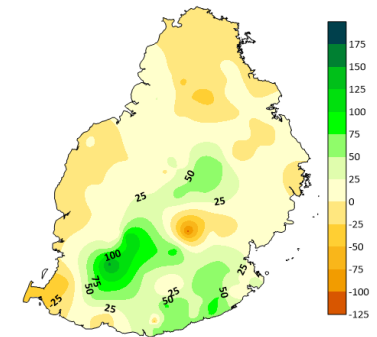
### Rainfall

Above normal rainfall was recorded during October 2024 with a mean of 95 mm and representing 130% of the long-term mean. The Western and northern regions of Mauritius recorded the lowest mean rainfall for the month.

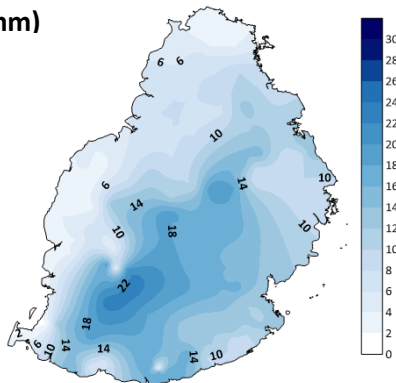
The first fortnight recorded about 51% of the total rainfall and the remaining amount was recorded in the second fortnight.

The highest cumulative rainfall for the month was 300.1 mm, recorded at Petrin.

### Monthly rainfall Anomaly



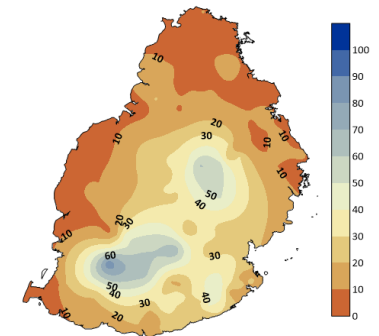
### Rainfall days (> 1 mm)



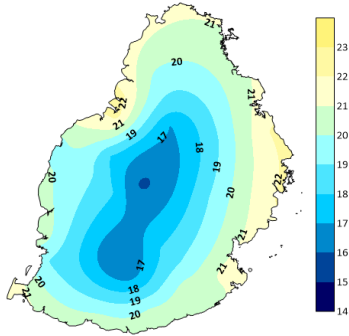
The highest number of rainy days ( $\geq 1$  mm) was observed at Arnaud and Petrin with 23 and 21 rainy days at Good End respectively.

Highest 24-hour rainfall was 88.2 mm recorded at Petrin, on 04 October.

### Highest 24-hour Rainfall



### Minimum Temperature

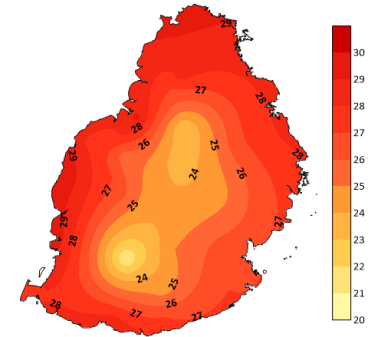


## Temperature

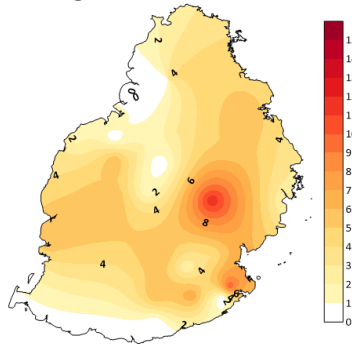
The highest maximum was 32.3 °C at Champs de Mars, recorded on 27 October. The lowest maximum temperature recorded was 17.7 °C at Grand Bassin on 05 October.

The highest minimum was 24.6 °C at Port Louis, recorded on 27 and 28 October and the lowest minimum was 13.0 °C at Belle Rive, recorded on 07 October.

### Maximum Temperature



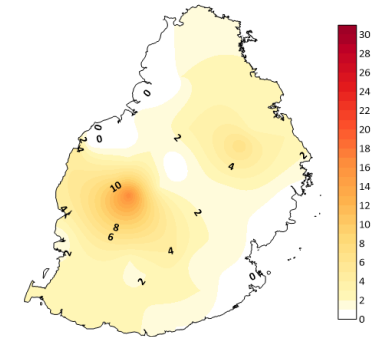
### Warm nights



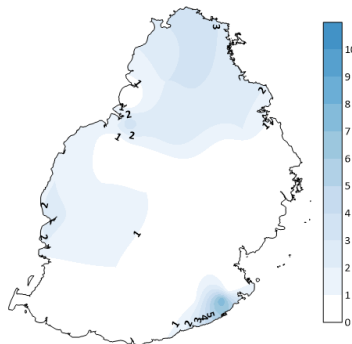
The highest number of warm nights observed was 12 at Sans Souci and 10 at Plaisance.

The highest number of warm days was 17 at Vacoas and, 07 at FUEL and Quatre Bornes.

### Warm days



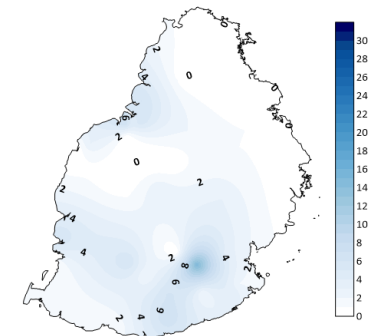
### Cold nights

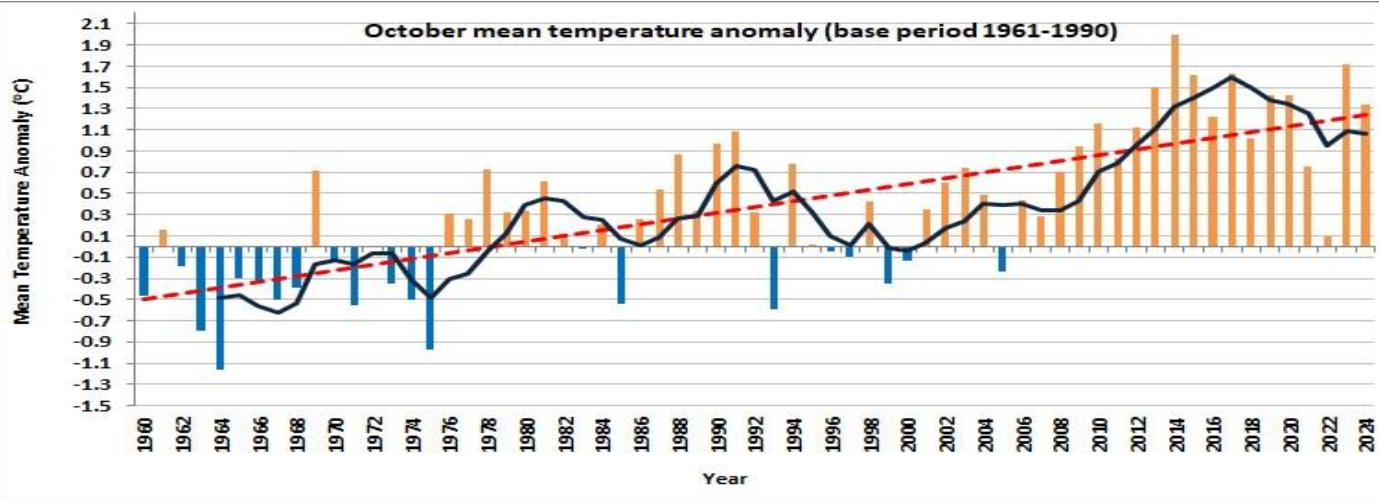


The highest number of cold nights recorded was 08 at Mon Desert Mon Tresor and 04 at Champs de Mars.

The highest number of cold days recorded was 15 at Rose Belle and 07 at Riviere des Anguilles and Belle Village.

### Cold days



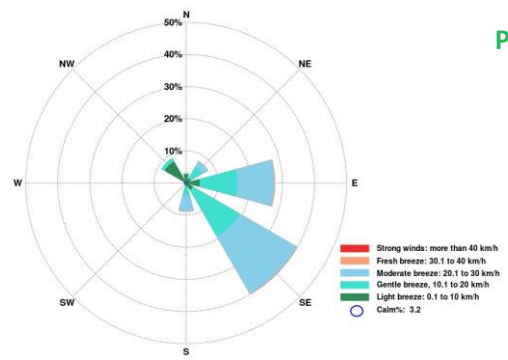


October 2024 was the eighth warmest since 1960.

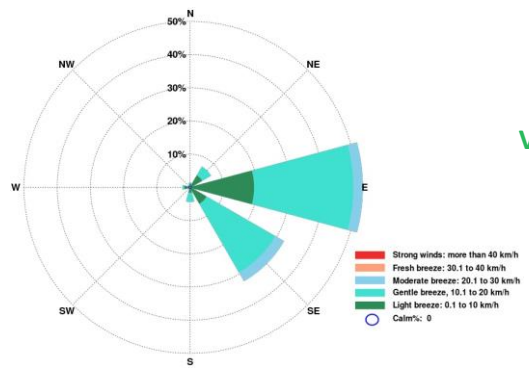
The mean temperature over the island was 0.65 °C warmer than the LTM of 1991-2020.

The mean maximum temperature was 0.4 °C warmer than long-term mean and the mean minimum temperature was 0.9 °C warmer than the long-term mean.

**Winds**



**Plaisance**



**Vacoas**

Wind frequencies show winds mainly from the Eastern and South Eastern sectors both at Plaisance (top) and 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.

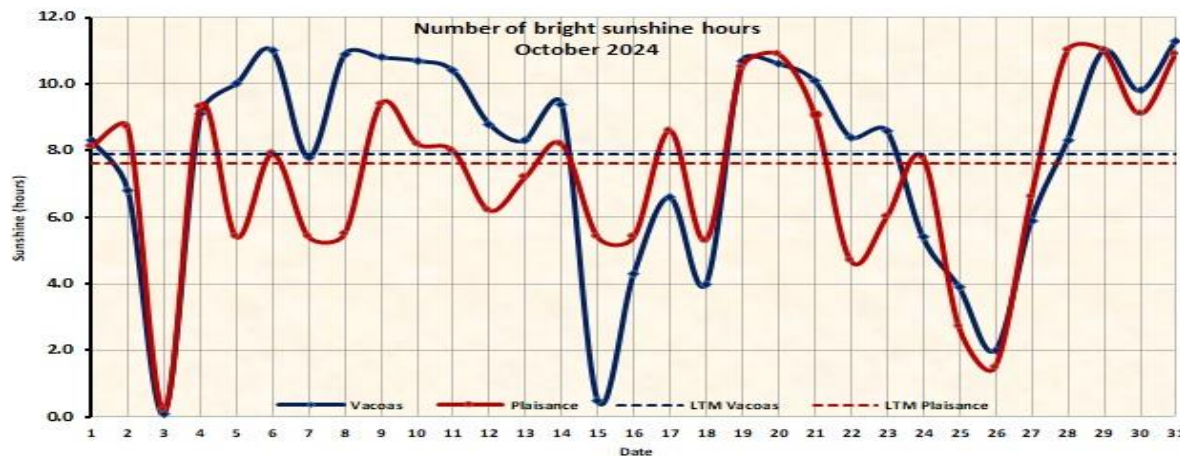
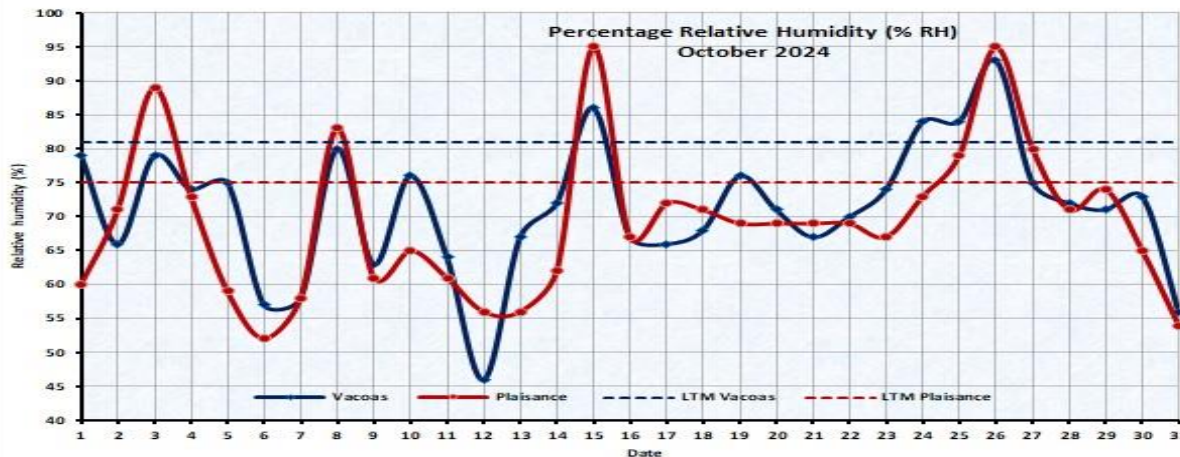
The highest gusts recorded during October 2025 were as follows:

Regions	Highest gusts (km/h)	Date
Signal Mt.	90	5
Quatre Soeurs	82	4
D. Les Pailles	79	5
Bagatelle Dam	77	9
Champ de Mars	76	4
Le Morne	72	13
Plaisance (Pulsonic)	70	13
Vacoas	64	23

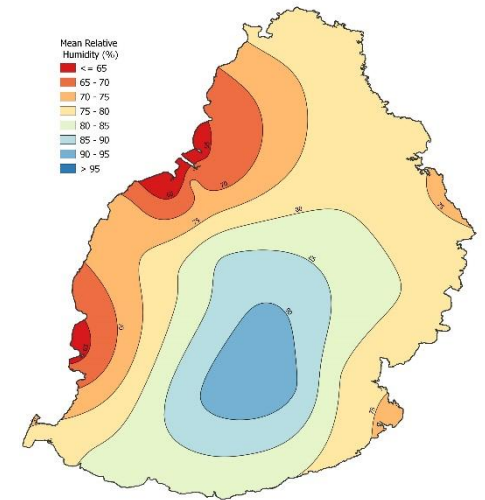
## Sunshine and Humidity

The mean relative humidity for the month was 71% at Vacoas and 69% at Plaisance. The daily humidity ranged from 46 to 93% at Vacoas and from 52 to 95% at Plaisance.

The average number of daily bright sunshine hours were 98% of the normal at Vacoas and 94% at Plaisance (anomaly of -0.2 at Vacoas and -0.5 at Plaisance). The highest number of sunshine hours was 11.3 at Vacoas (recorded on 31 October) and 11.0 at Plaisance (recorded on 28 and 29 October). The lowest number of sunshine hours was 0.1 at Vacoas and 0.2 at Plaisance (recorded on 03 October at both stations). The total number of bright sunshine hours for the month was 243.8 at Vacoas and 224.2 at Plaisance.



**Monthly mean humidity  
October 2024**



**Monthly total sunshine hours  
October 2024**

