



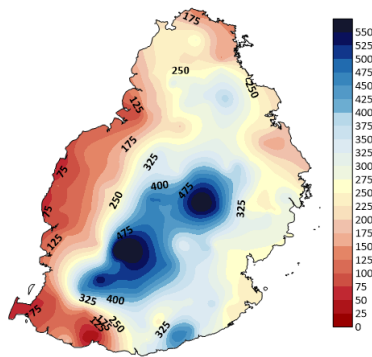
MAURITIUS METEOROLOGICAL SERVICES

CLIMATE MARCH 2024

Introduction

March 2024 recorded 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 positive phase whereas the Subtropical Indian Ocean Dipole (SIOD) was in the negative phase. The Madden Julian Oscillation evolved in the Indian Ocean during the first week of the month. Two tropical storms, namely Filipo and Gamane were formed in the South West Indian Ocean basin during the month and none of them influenced weather over the Mascarenes.

Monthly rainfall



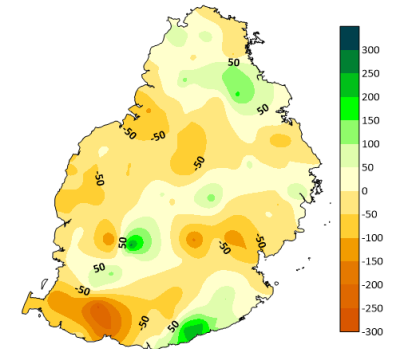
Rainfall

Normal rainfall was recorded in March 2024 with a total of 298 mm of rainfall and which represents 101% of the long-term mean.

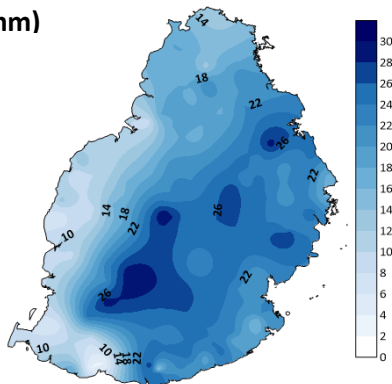
About 60% of the total rainfall was recorded in the first fortnight and the remaining amount in the second fortnight.

The highest cumulative rainfall for the month was 686.7 mm recorded at Good End.

Monthly rainfall Anomaly



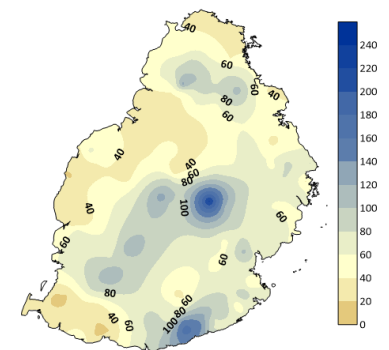
Rainfall days (> 1 mm)



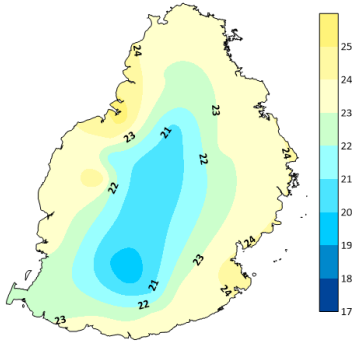
The highest number of rainy days (≥ 1 mm) was observed at Belle Rive with 30 rainy days. Elsewhere, the number of rainy days varied between 4 and 29.

Highest 24-hour rainfall was 225.2 mm recorded at Grande Providence, on 04 March.

Highest 24-hour Rainfall



Minimum Temperature

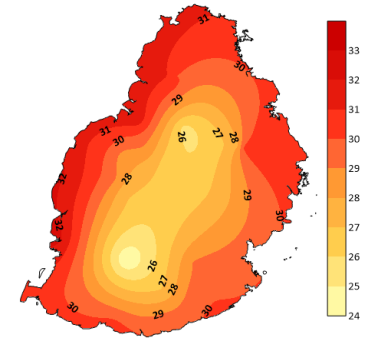


Temperature

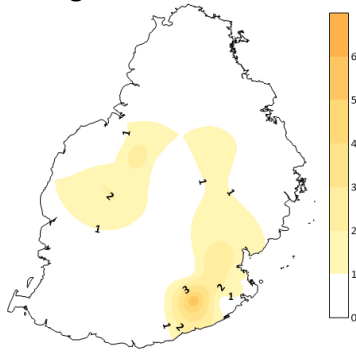
The highest maximum recorded was 35.6 °C at Riviere Noire on 03 March. The lowest maximum temperature recorded was 20.0 °C at Grand Bassin on 25 March.

The highest minimum was 27.5 °C at Port Louis, recorded on 04 March. The lowest minimum was 17.8 °C at Grand Bassin on 26 March.

Maximum Temperature



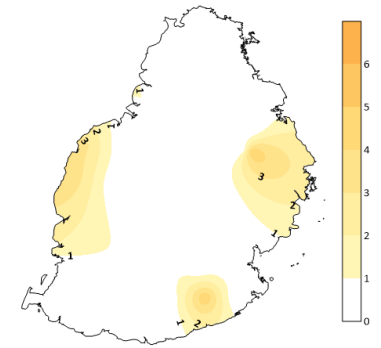
Warm nights



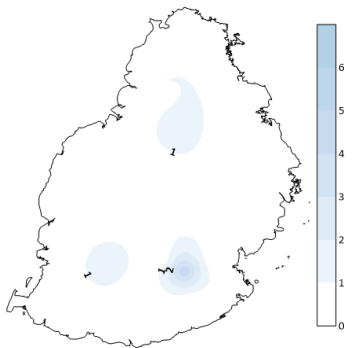
Few warm nights and warm days were recorded during the month. The highest number of warm nights observed was 06 at La Baraque and 03 at Mon Desert Alma and Riche en Eau respectively.

The highest number of warm days was 05 at La Baraque, Quatres Bornes and Queen Victoria.

Warm days



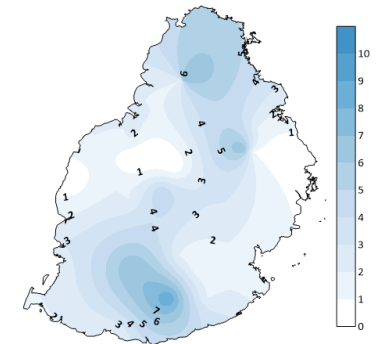
Cold nights

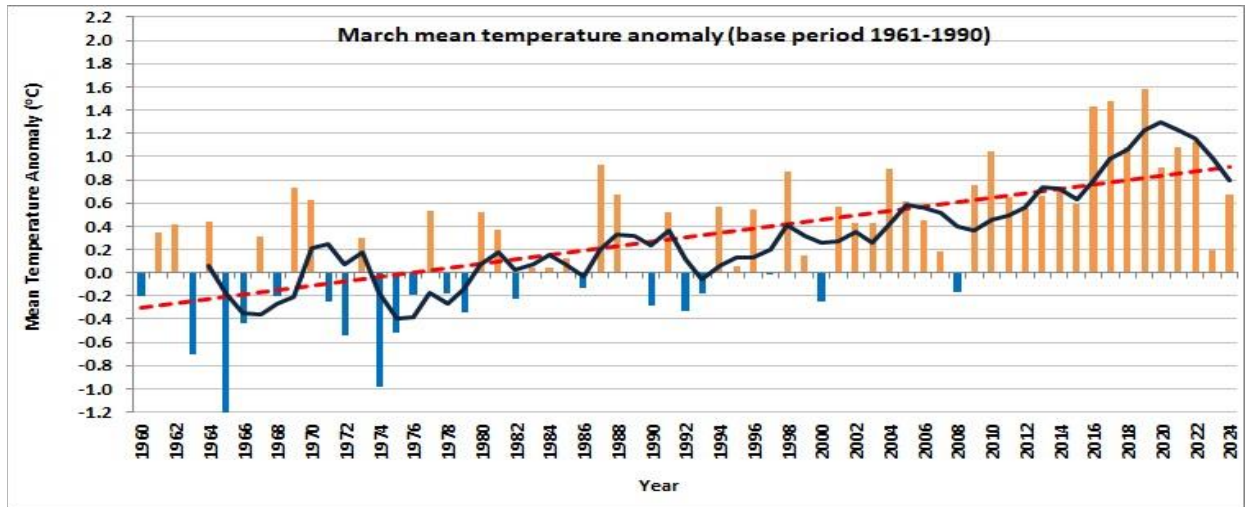


The highest number of cold nights was 05 at Rose Belle.

The highest number of cold days was 09 at Britania and 07 at Grand Bassin, Fuel and Ferret.

Cold days

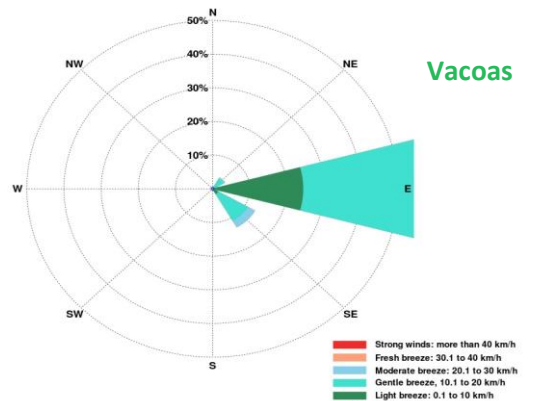
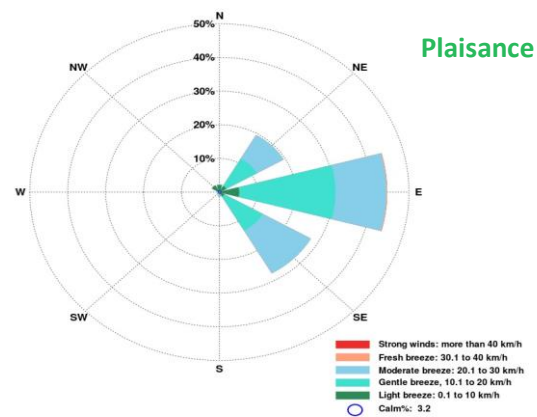




The mean temperature over the island was 0.11 °C warmer than the LTM of 1991-2020.

The mean minimum temperature was 0.6 °C warmer than the normal whereas the mean maximum temperature was -0.3 °C cooler than the long-term mean.

Winds



Wind frequencies from Plaisance (top) and Vacoas (bottom) show winds mainly from the Eastern sectors. Light to moderate winds prevailed most of the time over the island.

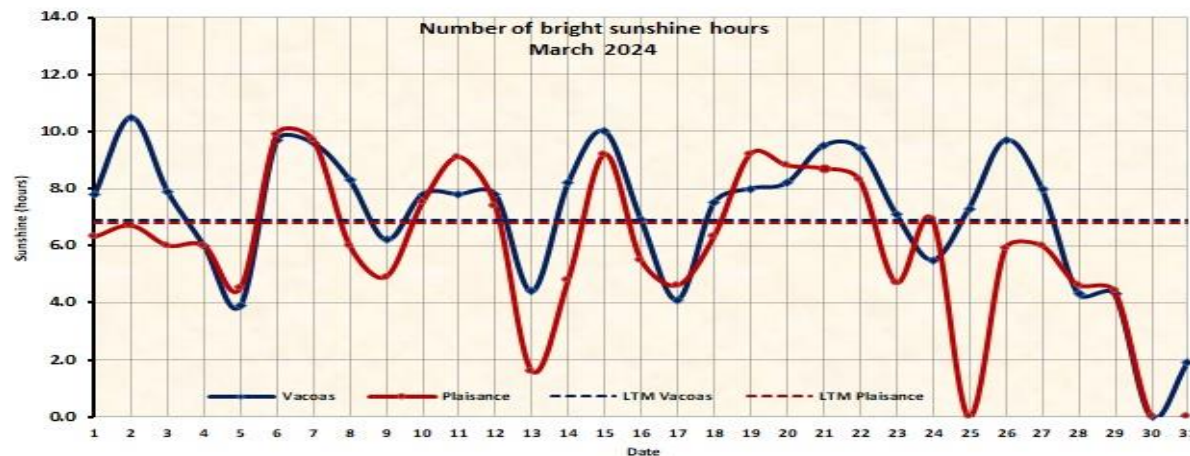
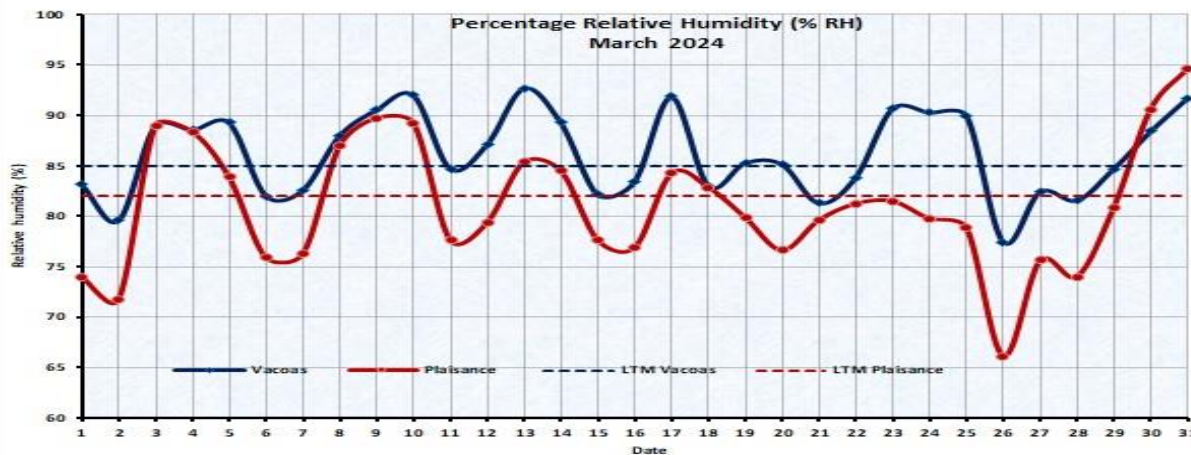
The highest gusts recorded over the island were as follows:

Regions	Highest gusts (km/h)	Date
Dom. les Pailles	86	25
Champ de Mars	79	25
Vacoas	69	24 & 25
Belle Mare	68	22
Grand Bassin	65	24 & 25
Plaisance	63	25

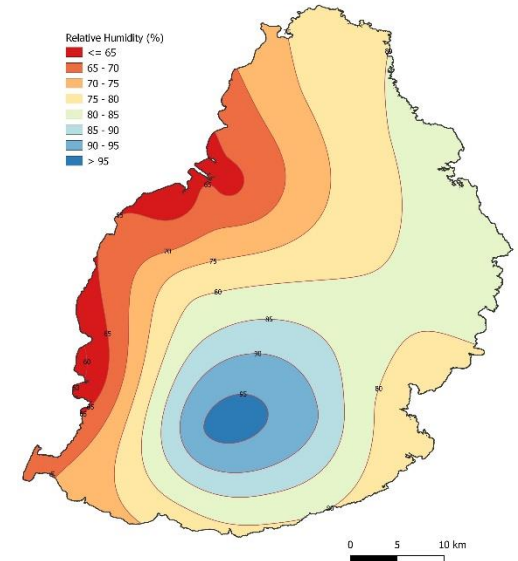
Sunshine and Humidity

On average the mean relative humidity for the month was close to the normal both at Vacoas and Plaisance. The daily humidity ranged from 81 to 93 % at Vacoas and from 66 to 95 % at Plaisance.

The number of daily bright sunshine hours were 104% of the normal at Vacoas and 90 % at Plaisance (anomaly of +0.3 at Vacoas and -0.7 at Plaisance). The highest number of sunshine hours at Vacoas was 10.5 (recorded on 02March) and 9.9 at Plaisance (recorded on 06 March). The lowest number of sunshine hours was 0 both at Vacoas (recorded on 30 March) and at Plaisance (recorded on 25, 30 and 31 March). The total number of monthly bright sunshine hours was 217.6 at Vacoas and 183.5 at Plaisance.



Monthly mean humidity March 2024



Monthly total sunshine hours March 2024

