



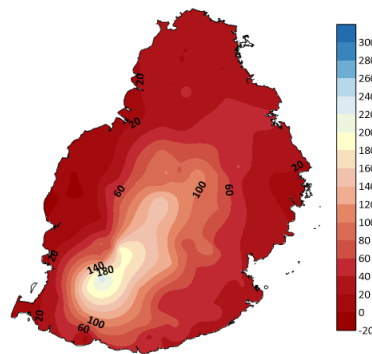
MAURITIUS METEOROLOGICAL SERVICES

CLIMATE AUGUST 2024

Introduction

Rainfall was deficient during August 2024 and the mean temperature was slightly 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. The signal of the Madden-Julian Oscillation (MJO) was weak in the Indian Ocean during the first fortnight of the month and became active by the end of the second fortnight.

Monthly rainfall



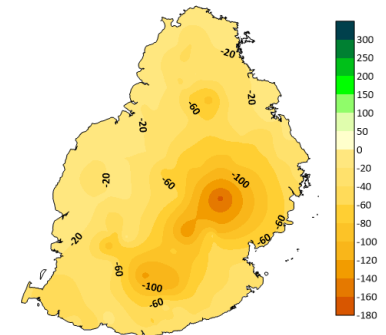
Rainfall

August 2024 recorded deficient rainfall with a mean of 61 mm and representing 56% of the long-term mean. The Western regions of Mauritius recorded the lowest mean rainfall for the month.

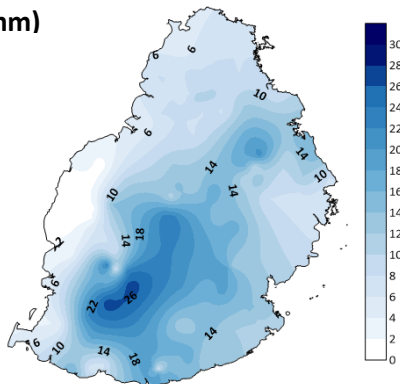
The first fortnight was very dry with about 30% of the rainfall and the remaining 70% was recorded in the second fortnight.

The highest cumulative rainfall for the month was 230 mm, recorded at Petrin.

Monthly rainfall Anomaly



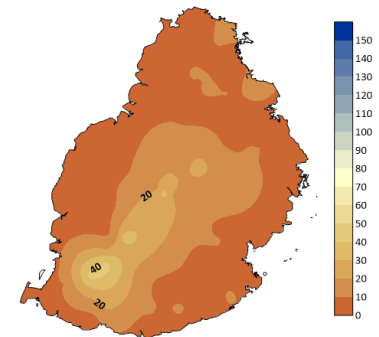
Rainfall days (> 1 mm)



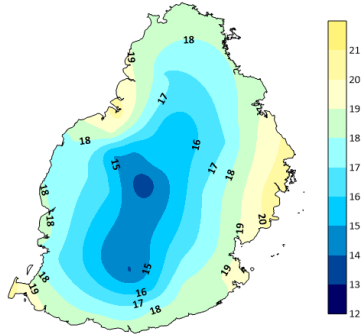
The highest number of rainy days (≥ 1 mm) was observed at Petrin and Arnaud with 27 rainy days.

Highest 24-hour rainfall was 43.5 mm recorded at Plaine Champagne, on 18 August.

Highest 24-hour Rainfall



Minimum Temperature

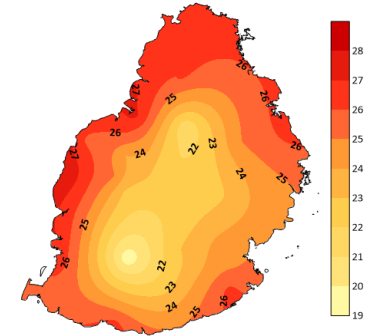


Temperature

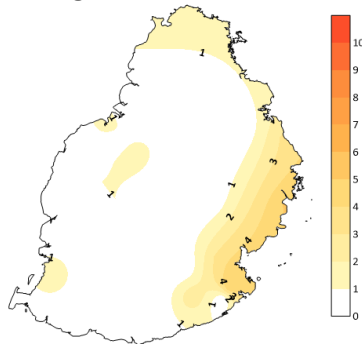
The highest maximum was 30.0 °C at Medine, recorded on 08, 13 and 14 August respectively. The lowest maximum temperature recorded was 16.0 °C at Grand Bassin on 19 August.

The highest minimum was 22.7 °C at Port Louis, recorded on 12 July and the lowest minimum was 10.1 °C at Union Park, recorded on 12 July.

Maximum Temperature



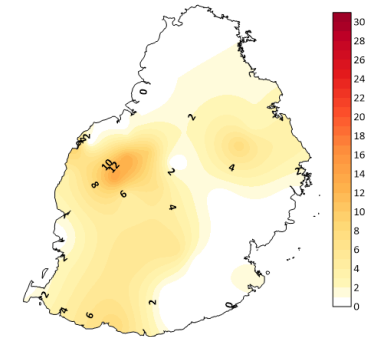
Warm nights



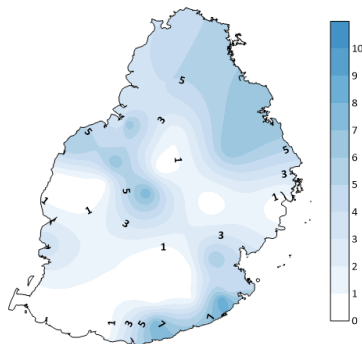
Few warm nights were recorded during the month. The highest number of warm nights observed was 05 at Quatre Soeurs and Plaisance.

Days were particularly warm in certain places during the month. The highest number of warm days was 14 at Quatre Bornes, 13 at Reduit and 10 at Albion.

Warm days



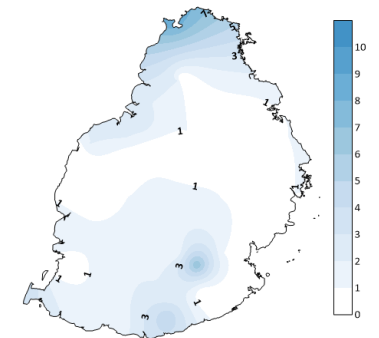
Cold nights

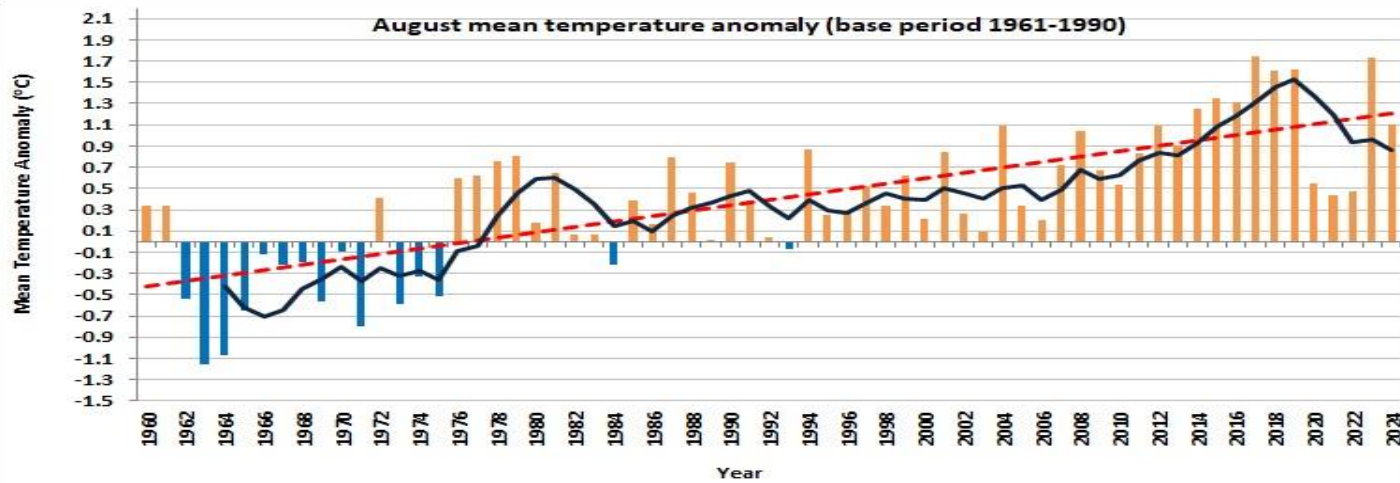


Few cold nights and cold days were recorded during the month. The highest number of cold nights recorded was 09 at Mon Desert Mon Tresor and 08 at Belle Rive and Riviere des Anguilles.

The highest number of cold days recorded was 09 at Pointe aux Canonniers and 07 at Rose Belle.

Cold days

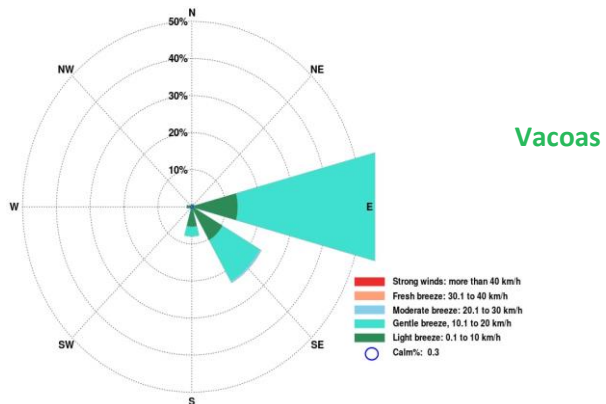
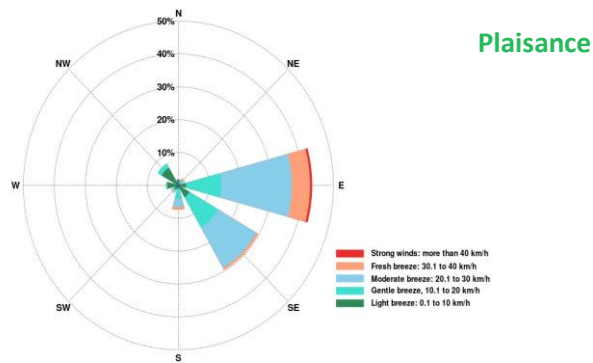




The mean temperature over the island was 0.40 °C warmer than the LTM of 1991-2020.

The mean maximum temperature was 0.7 °C warmer than long-term mean and the mean minimum temperature was 0.1 °C warmer than the long-term mean.

Winds



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.

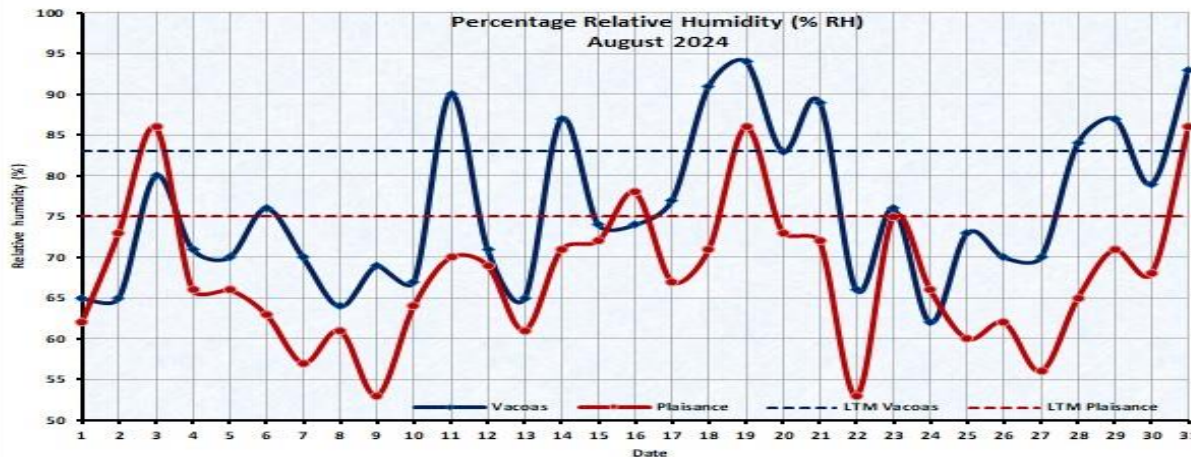
The highest gusts recorded over the island were as follows:

Regions	Highest gusts (km/h)	Date
Bagatelle Dam	90	18
Baie du cap	86	30
Signal Mt.	84	29
Plaisance (Pulsonic)	82	28
Champ de Mars	79	22
Quatre Soeurs	77	19,28
Le Morne	76	18
Grand Bassin	72	29
Vacoas	72	25

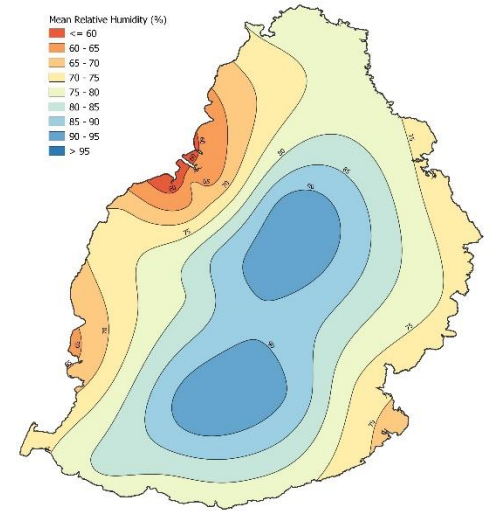
Sunshine and Humidity

The mean relative humidity for the month was 92 % at Vacoas and 91 % at Plaisance. The daily humidity ranged from 62 to 94 % at Vacoas and from 53 to 86 % at Plaisance.

The average number of daily bright sunshine hours were 115 % of the normal at Vacoas and 106 % at Plaisance (anomaly of +1.0 at Vacoas and +0.4 at Plaisance). The highest number of sunshine hours was 10.6 both at Vacoas (recorded on 08 August) and Plaisance (recorded on 01 August). The lowest number of sunshine hours was 0.1 at Vacoas and 0.8 hours at Plaisance (recorded on 19 August at both stations). The total number of bright sunshine hours for the month was 248.0 at Vacoas and 193.4 at Plaisance.



Monthly mean humidity August 2024



Monthly total sunshine hours August 2024

