



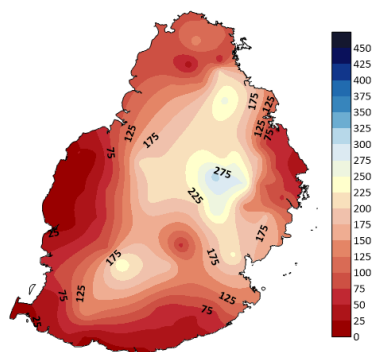
MAURITIUS METEOROLOGICAL SERVICES

CLIMATE NOVEMBER 2024

Introduction

Rainfall was well above normal during November 2024 and the mean temperature was warmer than the normal for the month. The El Nino Southern Oscillation (ENSO) and the Indian Ocean Dipole (IOD) were in the neutral phase while the Subtropical Indian Ocean Dipole (SIOD) was in the positive phase. A wet phase of the Maden Julian Oscillation (MJO) was observed in the second fortnight of November in the Indian Ocean.

Monthly rainfall



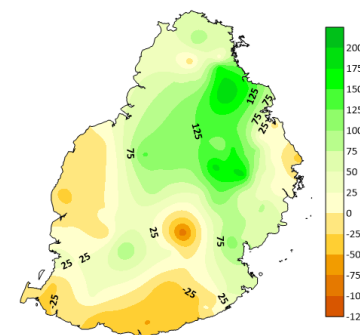
Rainfall

Well above normal rainfall was recorded during November 2024 with a mean of 125 mm and representing 147% of the long-term mean. The Western and Southern regions of Mauritius recorded the lowest mean rainfall for the month.

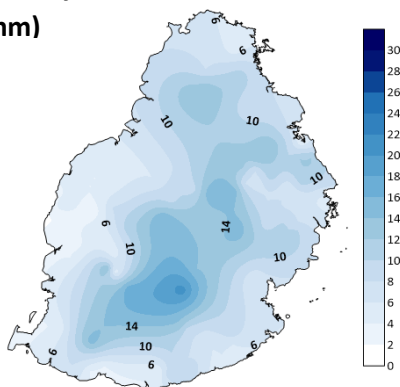
The first fortnight was dry with about 15% of the total rainfall and the remaining 85% of the total rainfall was recorded in the second fortnight.

The highest cumulative rainfall for the month was 313.0 mm, recorded at Bel Etang.

Monthly rainfall Anomaly



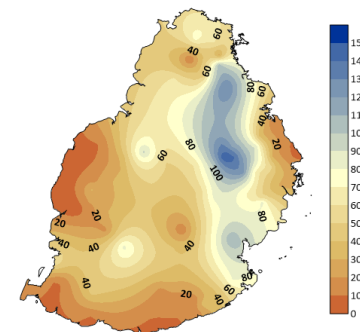
Rainfall days (> 1 mm)



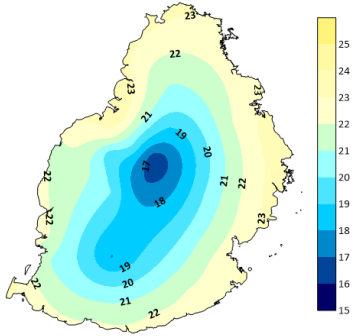
The highest number of rainy days (≥ 1 mm) was observed at Union Park MSIRI and Arnaud with 21 and 17 rainy days respectively.

Highest 24-hour rainfall was 148.0 mm recorded at Unite, on 21 November.

Highest 24-hour Rainfall



Minimum Temperature

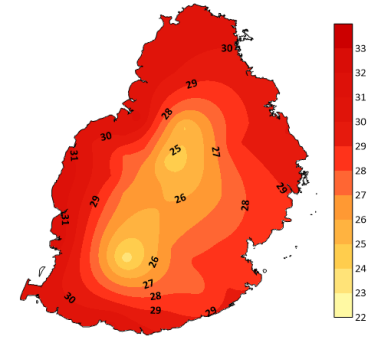


Temperature

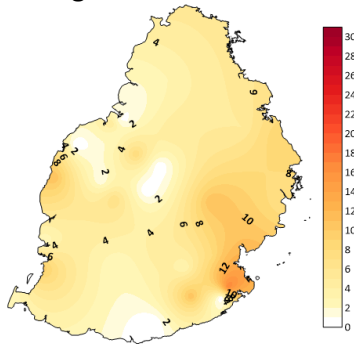
The highest maximum was 33.6 °C at Champs de Mars, recorded on 14 November. The lowest maximum temperature recorded was 21.3 °C at Grand Bassin on 19 November.

The highest minimum was 26.1 °C at Port Louis, recorded on 10 November and the lowest minimum was 15.0 °C at Alma, recorded on 21 November.

Maximum Temperature



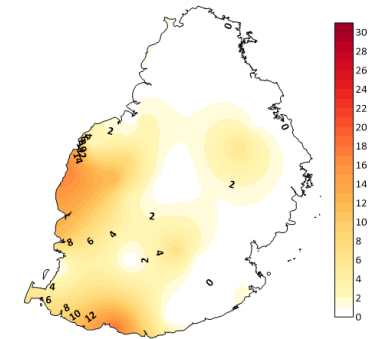
Warm nights



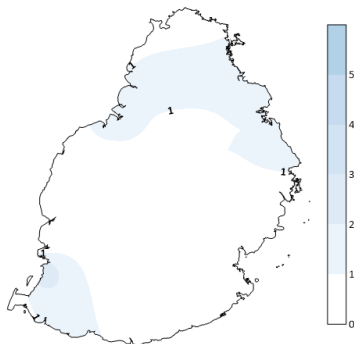
The highest number of warm nights observed was 17 at Plaisance, Sans Souci and 10 at Plaisance.

The highest number of warm days was 18 at St Felix, 17 at Medine and 14 at Albion.

Warm days

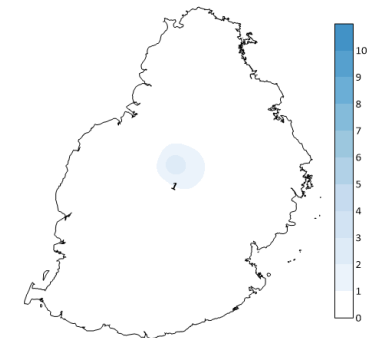


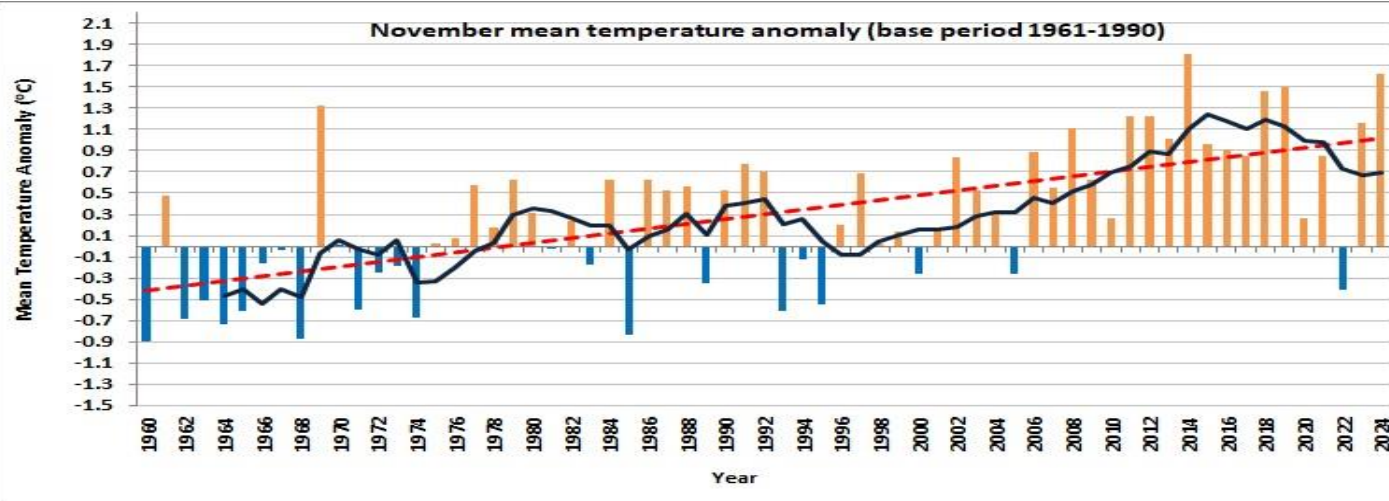
Cold nights



The highest number of cold nights recorded was 03 at Case Noyale and the highest number of cold days recorded was 03 at Alma.

Cold days



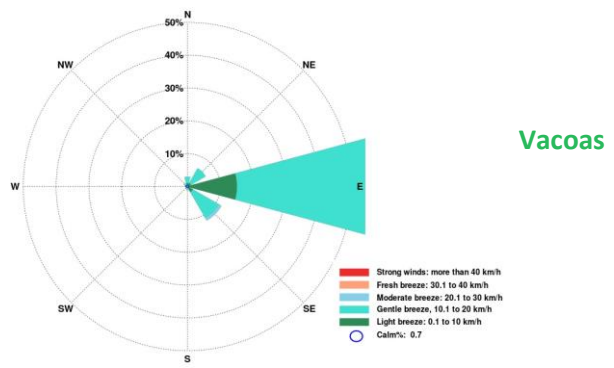
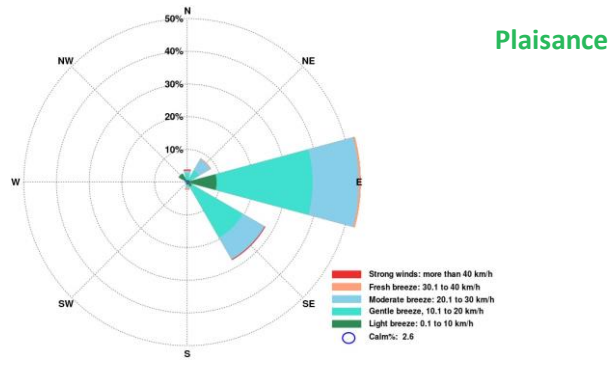


November 2024 was the second warmest since 1960.

The mean temperature over the island was 1.1 °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 1.5 °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, with the passage of Intense Tropical Cyclone ‘Bheki’ on 20 and 21 November 2024, fresh breeze to strong winds were recorded at certain places.

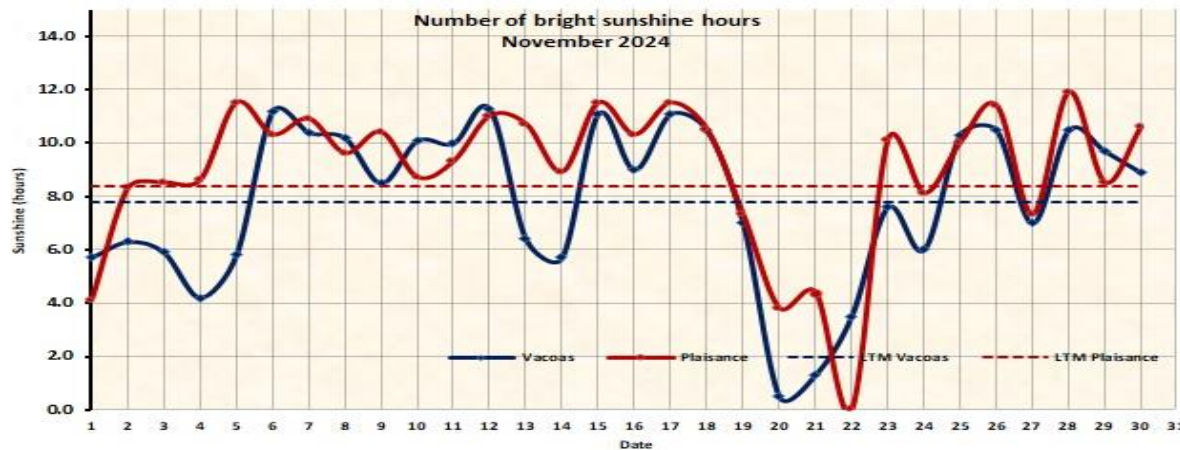
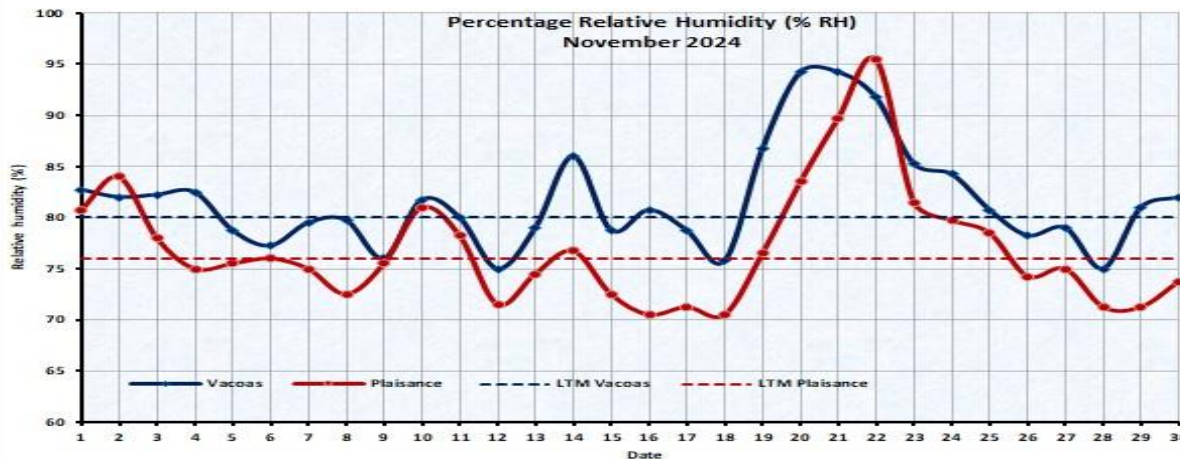
The highest gusts recorded during November 2024 were as follows:

Regions	Highest gusts (km/h)	Date
Quatre Soeurs	88	20
Le Morne	83	21
Signal Mt.	80	20
Plaisance (Pulsonic)	75	21
Bagatelle Dam	75	20
St. Felix	72	20
Riv des Anguilles	71	21
LDM (MDA)	70	20
Plaisance	69	21

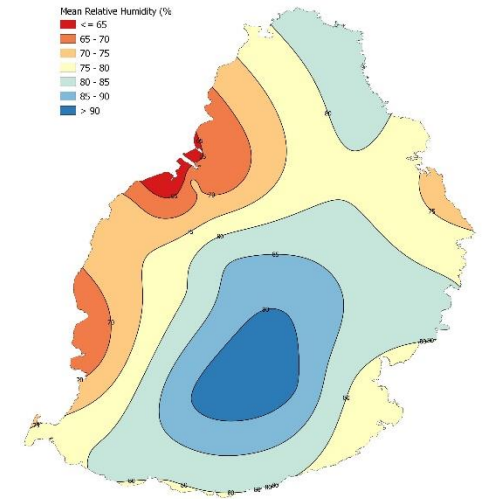
Sunshine and Humidity

The mean relative humidity for the month was 82% at Vacoas and 77% at Plaisance. The daily humidity ranged from 75% to 94% at Vacoas and from 71% to 96% at Plaisance.

The average number of daily bright sunshine hours were 101% of the normal at Vacoas and 106% at Plaisance (anomaly of +0.1 at Vacoas and +0.5 at Plaisance). The highest number of sunshine hours was 11.3 at Vacoas (recorded on 12 November) and 11.9 at Plaisance (recorded on 28 November). The lowest number of sunshine hours was 0.5 at Vacoas (recorded on 20 November) and 0.0 at Plaisance (recorded on 22 November). The total number of bright sunshine hours for the month was 236.2 at Vacoas and 268.0 at Plaisance.



Monthly mean humidity November 2024



Monthly total sunshine hours November 2024

