



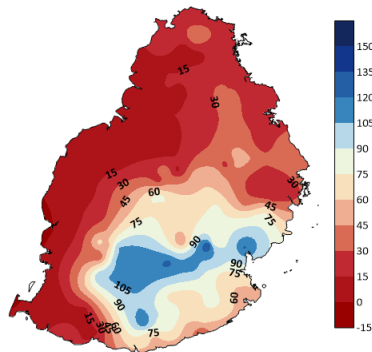
MAURITIUS METEOROLOGICAL SERVICES

CLIMATE JULY 2024

Introduction

July 2024 was the driest July on record and the second warmest since 1960. The El Niño Southern Oscillation (ENSO), the Indian Ocean Dipole (IOD) and the Subtropical Indian Ocean Dipole (SIOD) were in the negative phase. The signal of the Madden Julian Oscillation (MJO) was weak in the Indian Ocean during the month.

Monthly rainfall



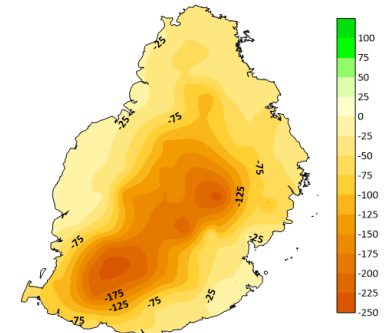
Rainfall

July 2024 was the driest July on record since 1960 with a mean rainfall of 48 mm and representing 36% of the long-term mean. The Western and Northern regions of Mauritius recorded the lowest mean rainfall for the month.

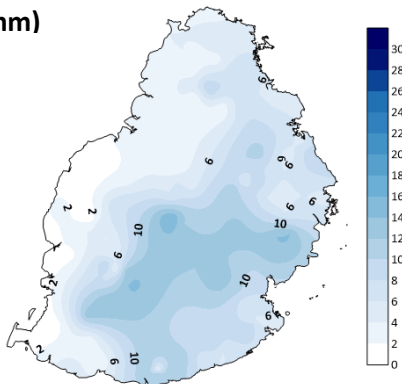
About 80% of the total rainfall was recorded in the first fortnight and the remaining amount in the second fortnight.

The highest cumulative rainfall for the month was 145.4 mm, recorded at Montagne Ronde.

Monthly rainfall Anomaly



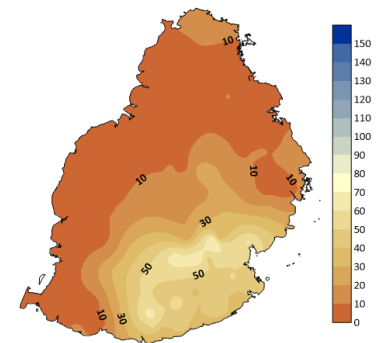
Rainfall days (> 1 mm)



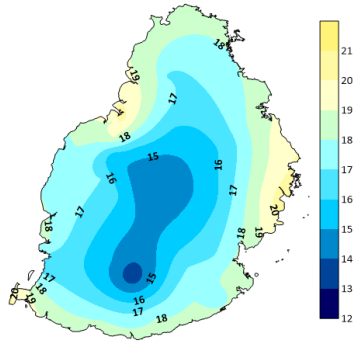
The highest number of rainy days (≥ 1 mm) was observed at Belle Rive with 16 rainy days.

Highest 24-hour rainfall was 71.0 mm recorded at Cent Gaulettes, on 01 July.

Highest 24-hour Rainfall



Minimum Temperature

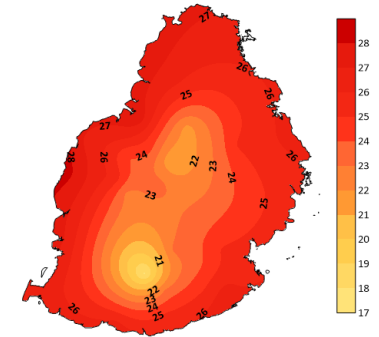


Temperature

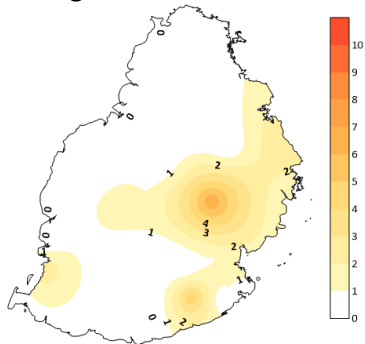
The highest maximum was 30.0 °C at Medine, recorded on 22 July. The lowest maximum temperature recorded was 17.9 °C at Grand Bassin on 13 July.

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



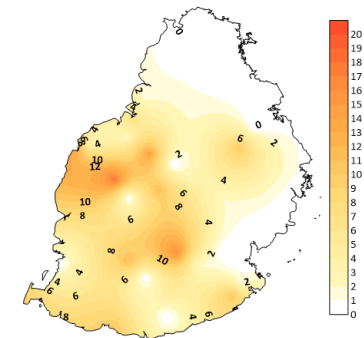
Warm nights



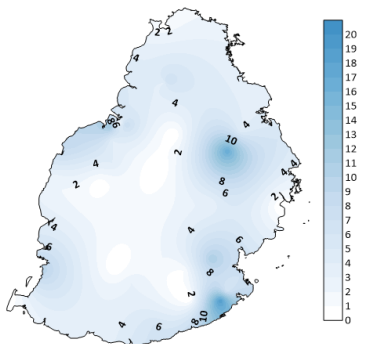
Few warm nights were recorded during the month. The highest number of warm nights observed was 07 at Sans Souci and 05 at La Baraque.

Days were particularly warm in certain places during the month. The highest number of warm days was 18 at Quatre Bornes and 16 at Union Park.

Warm days



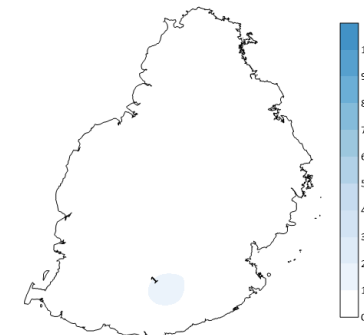
Cold nights

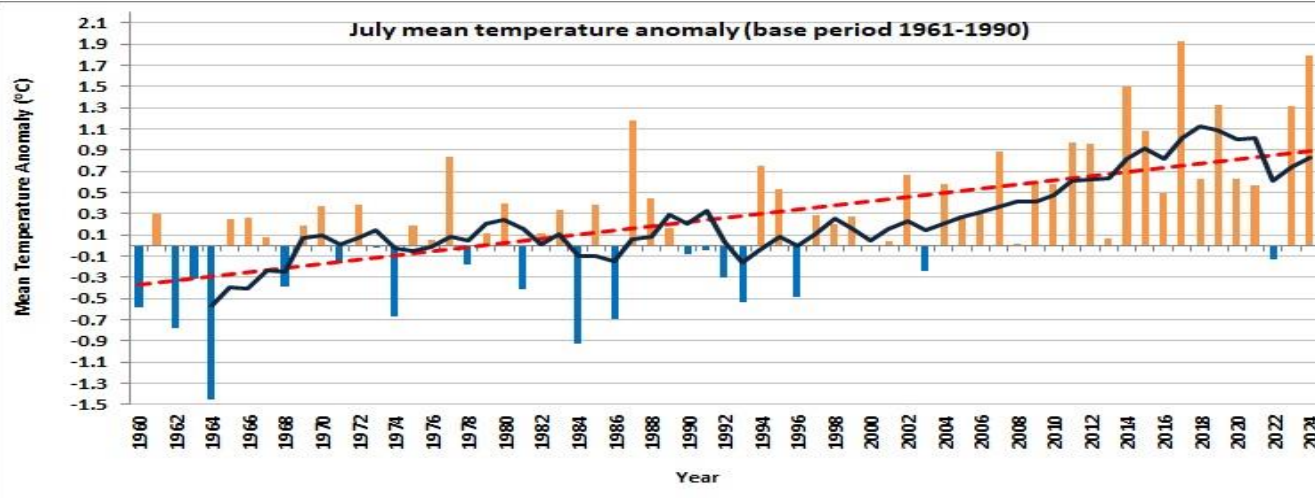


A significant number of cold nights were recorded in some regions during the month. The highest number of cold nights recorded was 19 Mon Desert Mon Tresor, 17 at Fuel and 12 at Belle Village.

The highest number of cold days recorded was 02 at Britania and 01 at Rose Belle.

Cold days

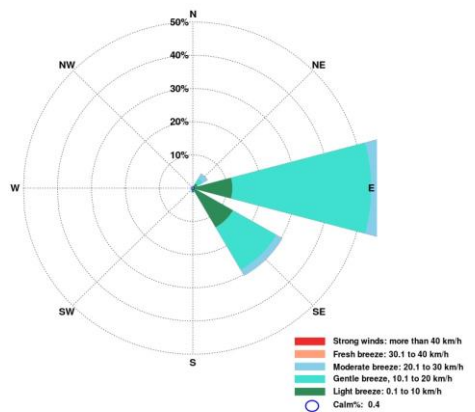
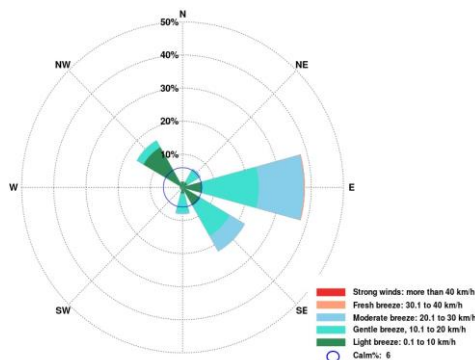




July 2024 was the second warmest since 1960. The mean temperature over the island was 1.32 °C warmer than the LTM of 1961-1990.

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

Winds



Wind frequencies show winds mainly from the Easter 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.

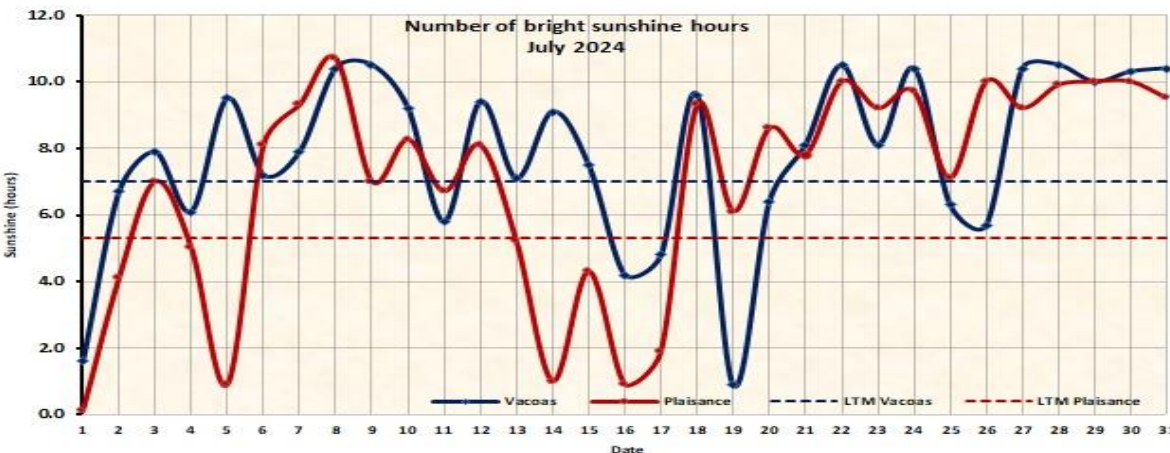
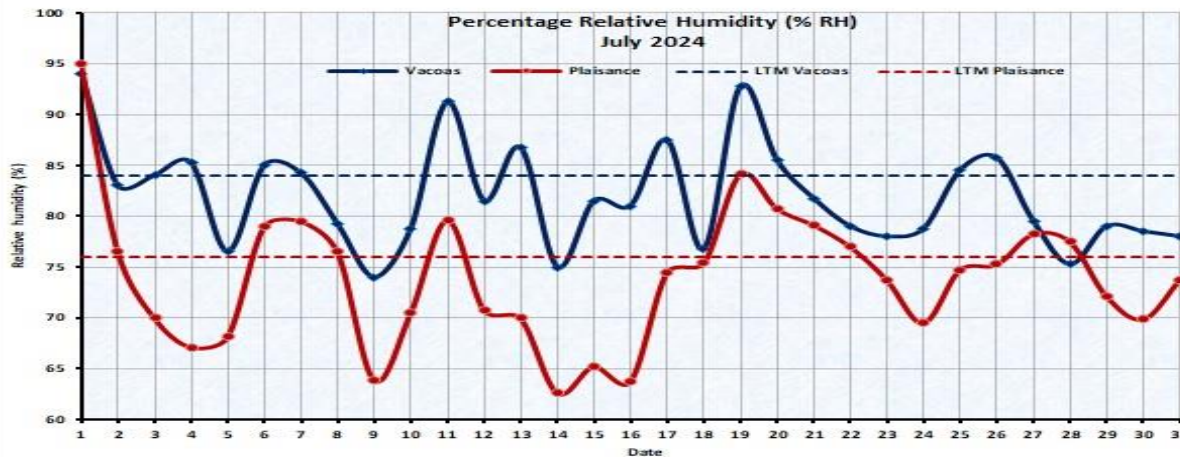
The highest gusts recorded over the island were as follows:

Regions	Highest gusts (km/h)	Date
Plaisance	70	13
Signal Mt.	69	4
Champ de Mars	68	12,13
Quatre Soeurs	67	2
Bagatelle Dam	66	13
D. Les Pailles	65	14
Le Morne	63	15
Grand Bassin	61	13
Vacoas	61	13

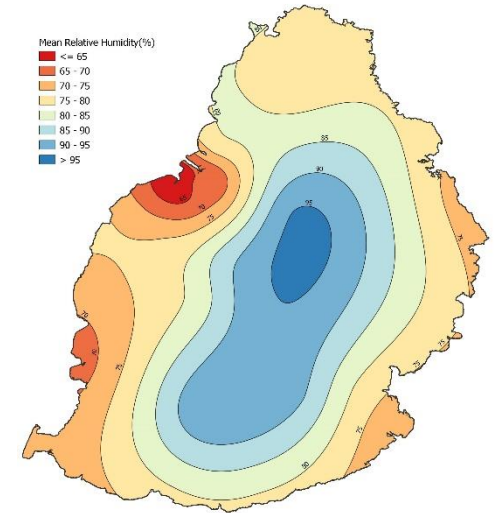
Sunshine and Humidity

The mean relative humidity for the month was 82 % at Vacoas and 74 % at Plaisance. The daily humidity ranged from 74 to 94 % at Vacoas and from 63 to 95 % at Plaisance.

The average number of daily bright sunshine hours were 111 % of the normal at Vacoas and 129 % at Plaisance (anomaly of +0.7 at Vacoas and +1.5 at Plaisance). The highest number of sunshine hours was 10.5 at Vacoas (recorded on 09, 22 and 28 July) and 10.7 at Plaisance (recorded on 08 July). The lowest number of sunshine hours was 0.9 at Vacoas (recorded on 19 July) and 0.1 hours at Plaisance (recorded on 01 July). The total number of bright sunshine hours for the month was 242.5 at Vacoas and 215.0 at Plaisance.



Monthly mean humidity July 2024



Monthly total sunshine hours July 2024

