



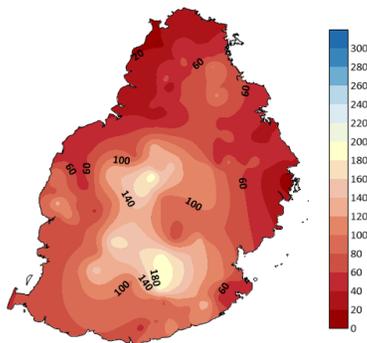
MAURITIUS METEOROLOGICAL SERVICES

CLIMATE JANUARY 2025

Introduction

January 2025 was the second driest during the last 25 years and the second warmest since 1960. The El Niño Southern Oscillation (ENSO) and the Indian Ocean Dipole (IOD) were in the negative phase while the Subtropical Indian Ocean Dipole (SIOD) was in the positive phase. The signal of the Madden-Julian Oscillation (MJO) evolved in the Indian Ocean during the second fortnight of the month.

Monthly rainfall



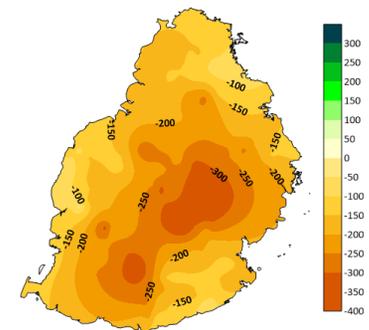
Rainfall

January 2025 was the second driest January since the last 25 years with only 85 mm of rainfall and representing 30% of the long-term mean. The recorded rainfall percentage ranged between 25% and 40% across the island.

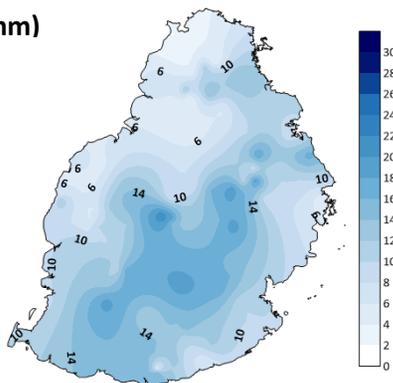
About 30% of the total rainfall was recorded in the first fortnight and the remaining 70% was recorded in the second fortnight.

The highest cumulative rainfall for the month was 194.6 mm, recorded at Valetta.

Monthly rainfall Anomaly



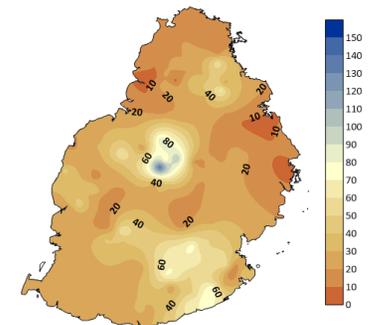
Rainfall days (> 1 mm)



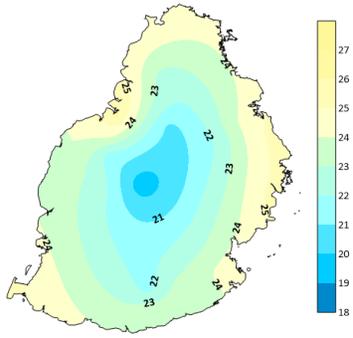
The highest number of rainy days (≥ 1 mm) was observed at Belle Rive with 22 rainy days.

Highest 24-hour rainfall was 140 mm recorded at Valetta, on 29 January.

Highest 24-hour Rainfall



Minimum Temperature

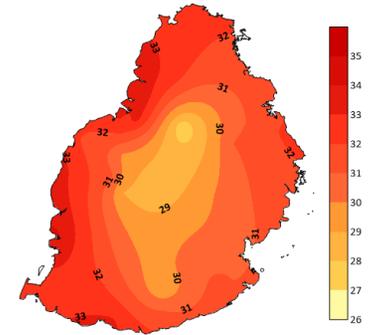


Temperature

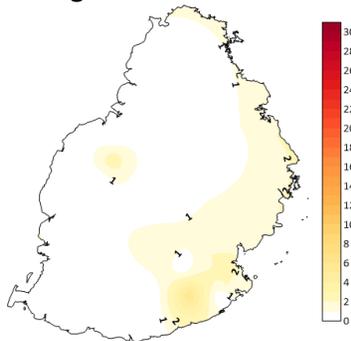
Several places recorded record maximum temperatures during January 2025. The highest maximum was 36.7 °C at Riviere Noire, recorded on 15 January. The lowest maximum temperature recorded was 25.6 °C at Nouvelle Decouverte on 10 January.

The highest minimum was 27.3 °C at Port Louis, recorded on 08 January and the lowest minimum was 17.6 °C at Belle Rive, recorded on 07 January.

Maximum Temperature



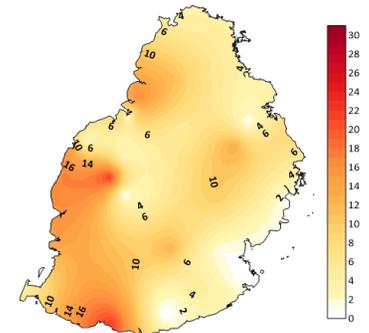
Warm nights



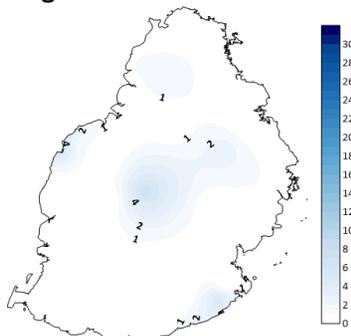
The highest number of warm nights observed was 06 at La Baraque and 04 at Pamplemousses.

Days were particularly warm during the month. The highest number of warm days was 22 at St Felix and Quatre Bornes, and 17 at Medine.

Warm days



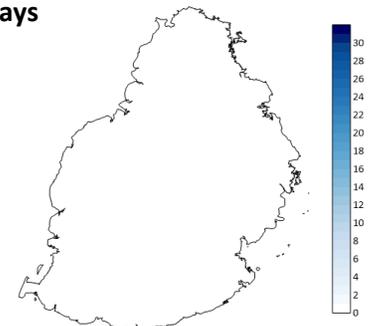
Cold nights

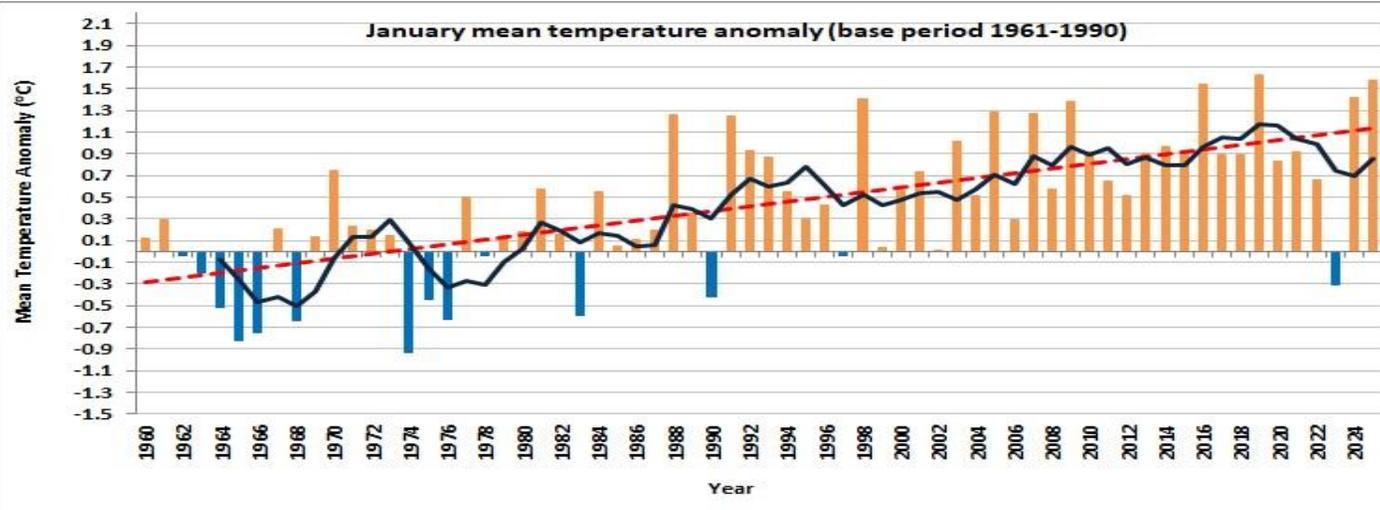


The highest number of cold nights recorded was 07 at Belle Rive, 06 at Albion and 05 at Mon Desert Mon Tresor.

Practically no cold days were recorded during January 2025

Cold days





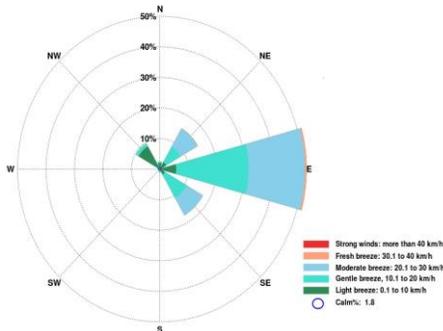
January 2025 was the second warmest since 1960.

The mean temperature over the island was 0.8 °C warmer than the LTM of 1991-2020.

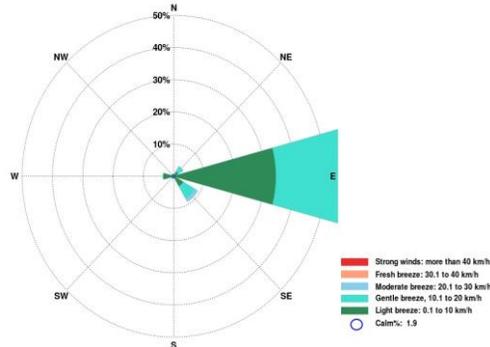
The mean maximum temperature was 1.1 °C warmer than long-term mean and the mean minimum temperature was 0.4 °C warmer than the long-term mean.

Winds

Plaisance



Vacoas



Wind frequencies show winds mainly from the Eastern sector both at Plaisance (top) and at Vacoas (bottom). Light to moderate winds prevailed most of the time over the island but on a few occasions fresh to strong breeze were recorded at both stations.

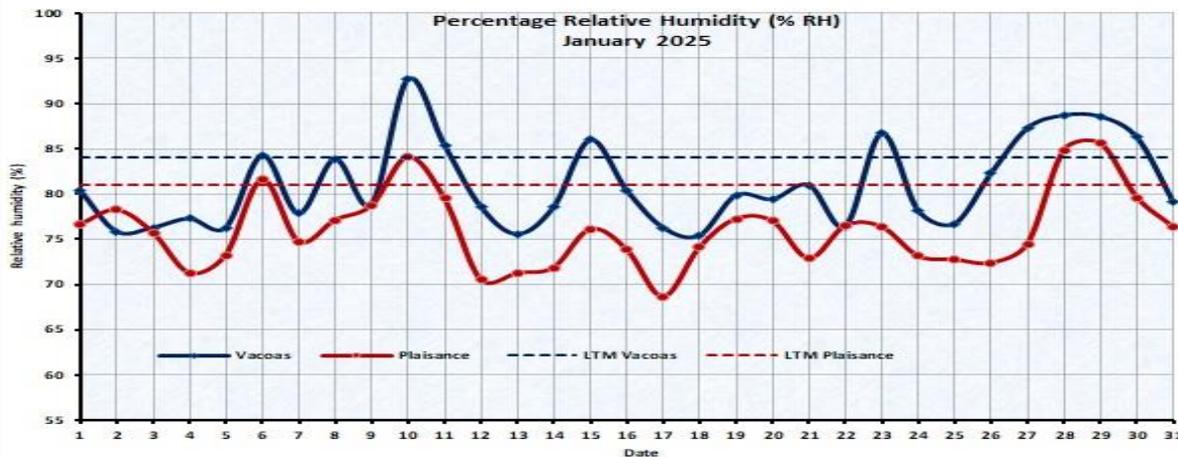
The highest gusts recorded during January 2025 were as follows:

Regions	Highest gusts (km/h)	Date
Champ de Mars	79	10
Le Morne	70	5
Quatre Soeurs	68	10
Bagatelle Dam	62	10
D. Les Pailles	61	10
Plaisance (Pulsonic)	61	11
LDM (MDA)	58	10
Vacoas	56	10

Sunshine and Humidity

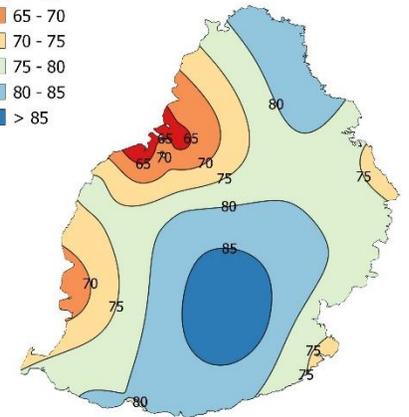
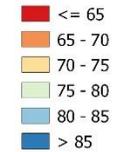
The mean relative humidity for the month was 96% at Vacoas and 94% at Plaisance. The daily humidity ranged from 75% to 93% at Vacoas and from 69% to 86% at Plaisance.

Several stations across the island had record sunshine hours for the month. The average number of daily bright sunshine hours were 129% of the normal at Vacoas and 135% at Plaisance (anomaly of +2.0 at Vacoas and +2.6 at Plaisance). The highest number of sunshine hours was 11.4 at Vacoas (recorded on 03 & 09 January) and 12.2 at Plaisance (recorded on 17 & 24 January). The lowest number of sunshine hours was 3.4 at Vacoas (recorded on 10 January) and 5.3 at Plaisance (recorded on 28 January). The total number of bright sunshine hours for the month was 278.1 at Vacoas and 312.6 at Plaisance.



**Monthly mean humidity
January 2025**

Mean Relative Humidity



**Monthly total sunshine hours
January 2025**

Sunshine Hours

