

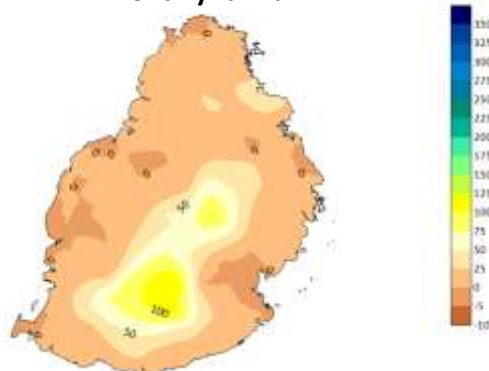
MAURITIUS METEOROLOGICAL SERVICES

CLIMATE OCTOBER 2025

Introduction

Dry atmospheric conditions prevailed in October 2025. Mean temperature anomaly was $+0.4^{\circ}\text{C}$. Neutral ENSO condition was observed over the central equatorial Pacific Ocean (Nino 3.4 region), with a tendency towards a weak La Nina. Over the Indian Ocean, weak negative IOD prevailed during the month whereas SIOD was in a neutral phase. The MJO was mostly weak in the first half of the month, whereas in the second half the emergence of a wet phase over the Indian Ocean, triggered the formation of a tropical storm to the East of the Chagos Archipelagos. It was named Chenge by the Mauritius Meteorological Services in the early morning of 19 October.

Monthly rainfall



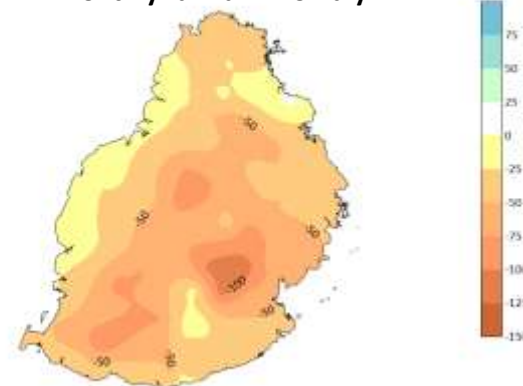
Rainfall

Dry atmospheric conditions prevailed over island for the month of October 2025, with a cumulative rainfall amount of 35 mm, representing 48% of the long-term mean.

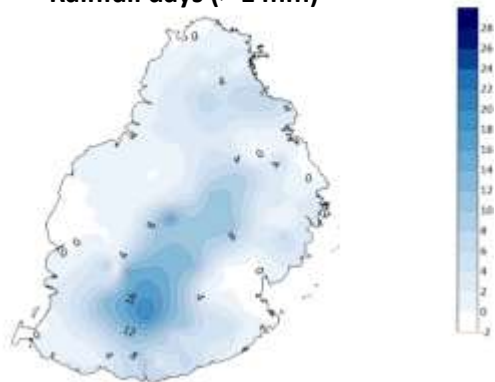
The Central Plateau (windward) recorded a cumulative rainfall ranging from 100 to 125mm, whereas rainfall was nil over the leeward side and coastal region.

The highest cumulative rainfall for the month was 120.7 mm, recorded at Union Park MSRI.

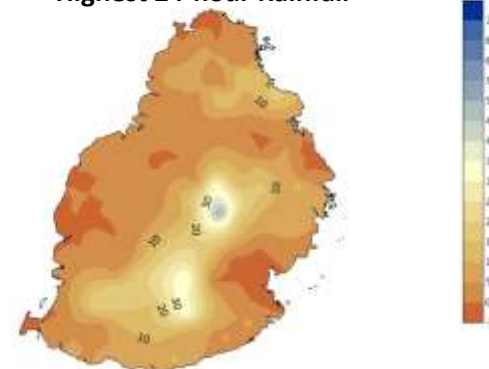
Monthly rainfall Anomaly



Rainfall days (> 1 mm)



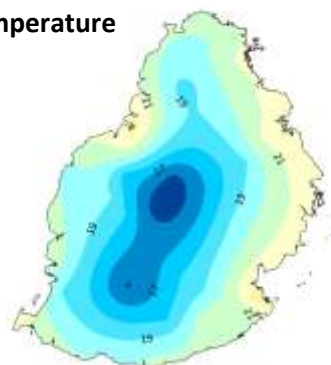
Highest 24-hour Rainfall



The highest number of rainy days (≥ 1 mm) was observed at Bois Cherie with 20 rainy days.

Highest 24-hour rainfall was 50.5 mm recorded at Gros Roches (Grande Providence), on 04 October.

**Minimum
Temperature**

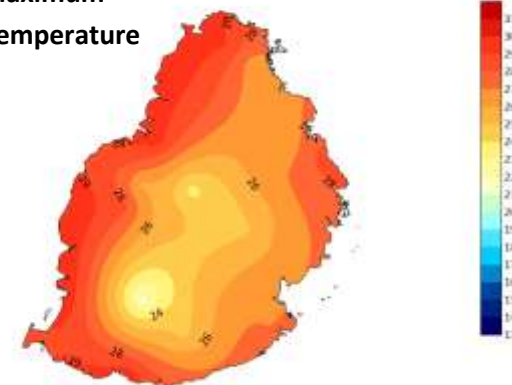


Temperature

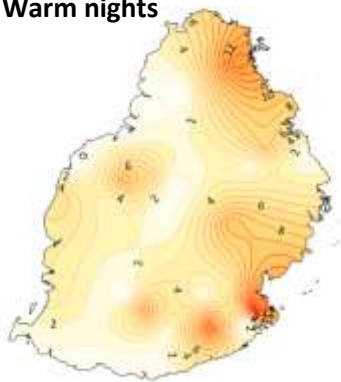
The highest maximum for the month was 32.4°C, recorded at Riche-Terre on 05 October whereas the lowest maximum temperature was 18.8 °C, recorded at Grand Bassin on 06 October.

The highest minimum for the month was 24.9°C at Port-Louis (Line Barracks), recorded on 23 October whereas the lowest minimum was 12.6°C at Belle-Rive (MSIRI), recorded on 08 October.

**Maximum
Temperature**



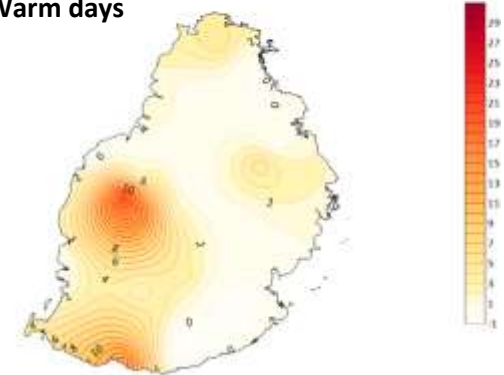
Warm nights



The frequency of warm nights was highest with a total of 163 days, as compared to the total warm days with 87 days.

The highest number of warm nights and warm days were recorded at Quatre-Bornes with 30 and 19 days respectively.

Warm days



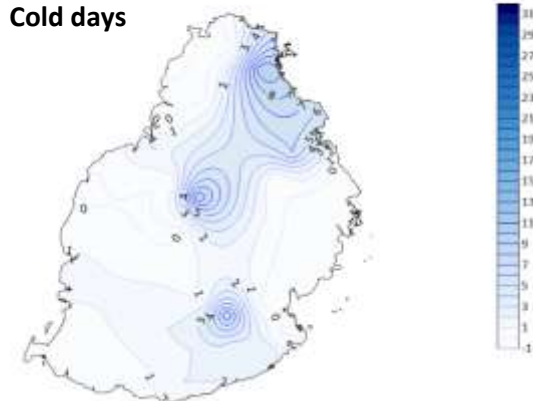
Cold nights

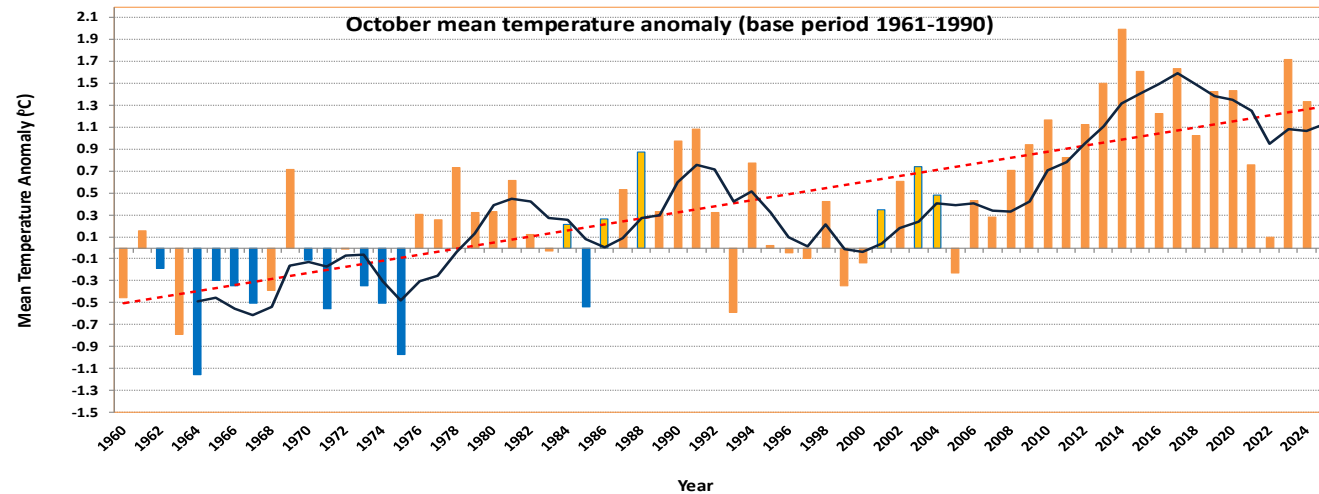


Cold nights were higher than cold days with a total number of 69 and 58 days respectively.

The highest number of cold nights was 11 days observed at Mon Desert Mon-Tresor, whereas the highest number of cold days was 10 days observed at Digue Sèche.

Cold days

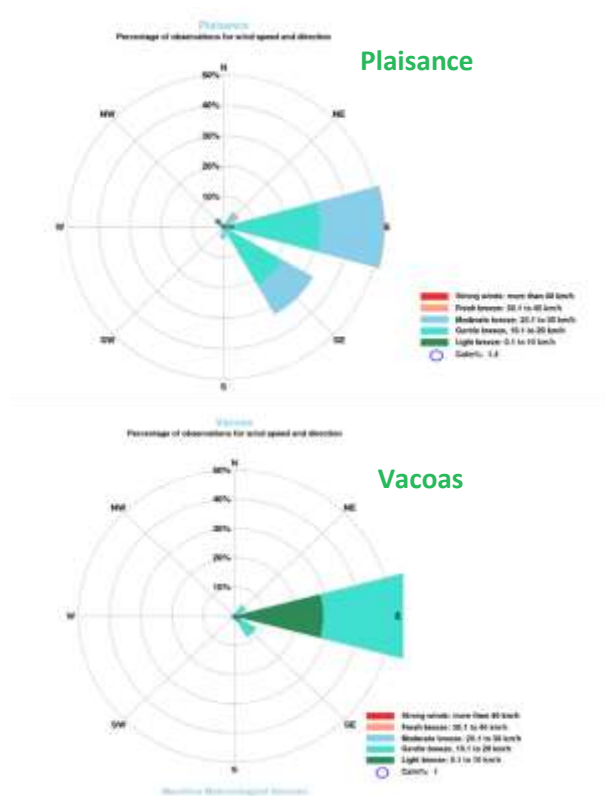




The mean temperature over the island was $+1.04^{\circ}\text{C}$ above the LTM (91-20).

The mean maximum temperature anomaly was $+0.9^{\circ}\text{C}$ whereas the mean minimum temperature anomaly was $+1.2^{\circ}\text{C}$, above LTM (91-20).

Winds



During the month, wind was from the Eastern and Southeastern sectors at Plaisance (top) and mostly from the Eastern sector at Vacoas (bottom). Gentle breeze mostly prevailed over the island.

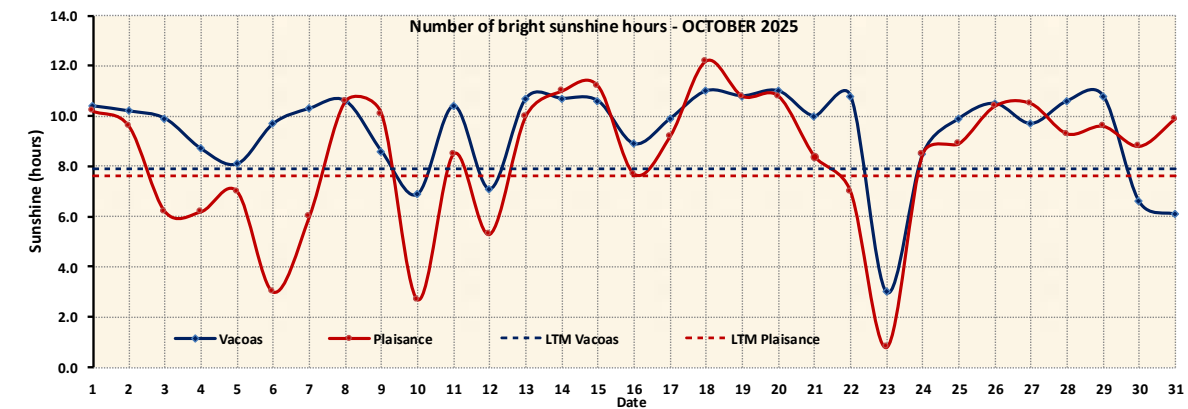
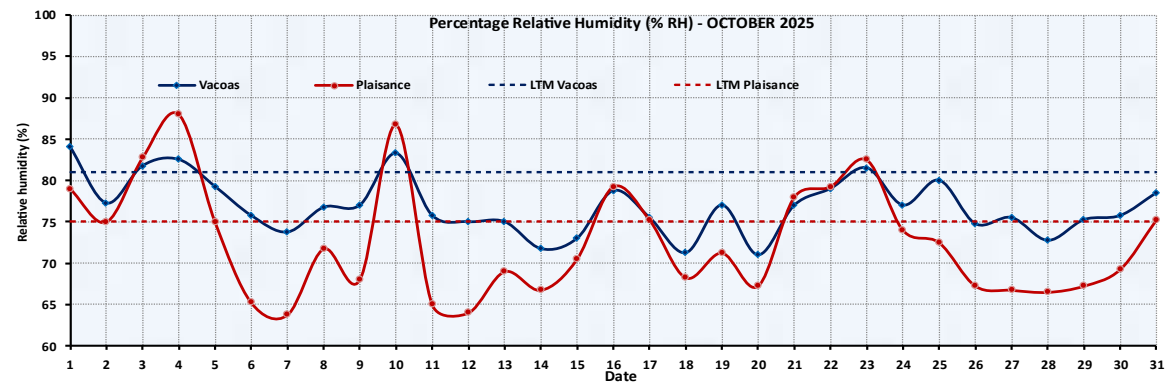
The highest gusts recorded during October 2025 were as follows: -

Regions	Highest gusts (km/h)	October 2025
Signal Mt.	91	6
D. Les Pailles	76	6
Champ de Mars	68	6
Quatre Soeurs	65	6
Digue Seche(AWS)	65	6
Bagatelle Dam	64	23
St. Felix	61	16
M. Loisir Rouillard	60	24

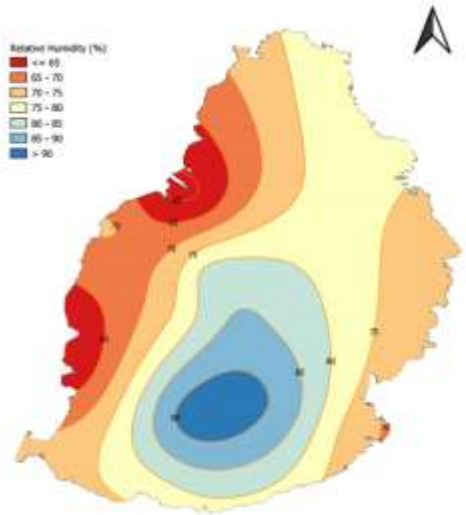
Sunshine and Humidity

The mean Relative Humidity for the month was 77% at Vacoas and 73% at Plaisance. The daily humidity ranged from 70% to 85% at Vacoas and from 65% to 90% at Plaisance.

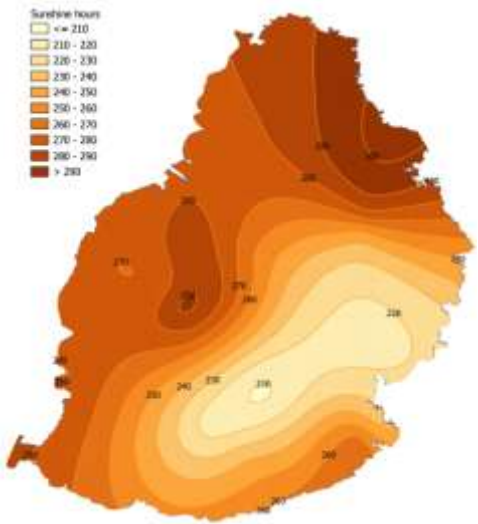
The average number of daily bright sunshine hours was 9.5 at Vacoas and 8.4 at Plaisance (anomaly of +1.6 at Vacoas and +0.8 at Plaisance). The total number of bright sunshine hours for the month was 291.0 at Vacoas and 260.4 at Plaisance.



Monthly mean humidity October 2025



Monthly total sunshine hours October 2025



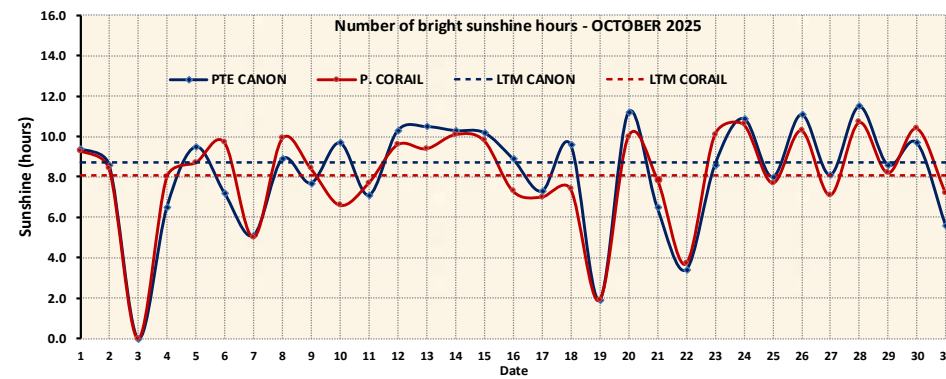
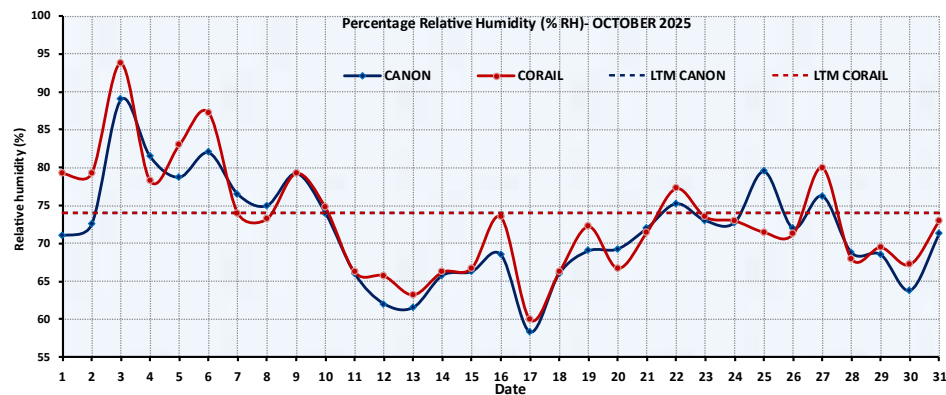
Climate Rodrigues

Sunshine and Humidity

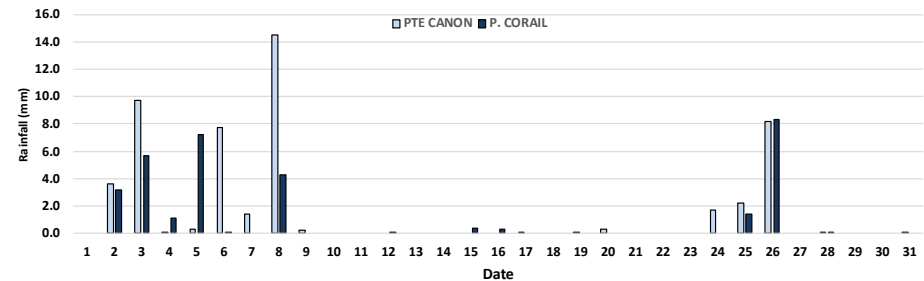
The mean relative humidity for the month was 72% at Pointe Canon and 73% at Plaine Corail. The daily humidity ranged from 65% to 95% at both stations.

The average number of daily bright sunshine hours was 8.1 at Pointe Canon and 8.0 at Plaine Corail (anomaly of -0.6 at Pointe Canon and -0.1 at Plaine Corail).

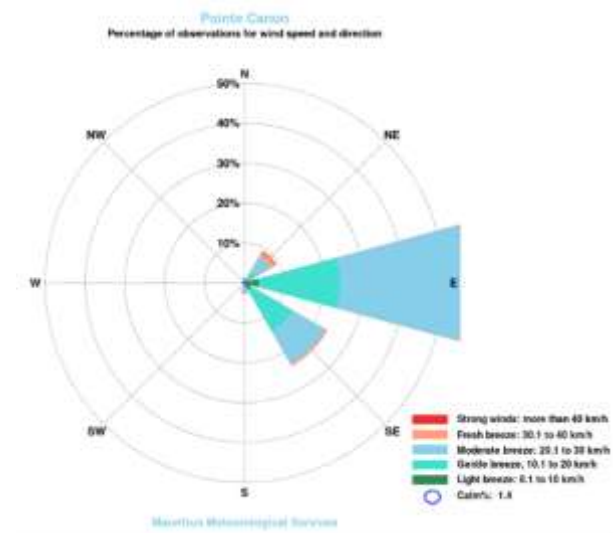
The total number of bright sunshine hours for the month was 251.9 at Pointe Canon and 248.1 at Plaine Corail.



Rainfall at Rodrigues - October 2025



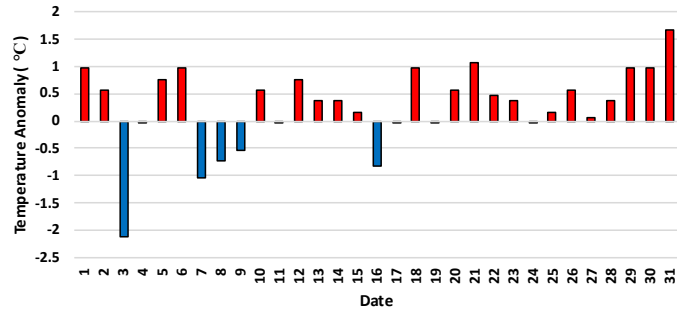
Near normal rainfall amount was recorded at Pointe Canon with 50 mm (98% of the long-term mean) and below normal rainfall amount was recorded at Plaine Corail with 33 mm of rainfall (73% of the long-term mean).



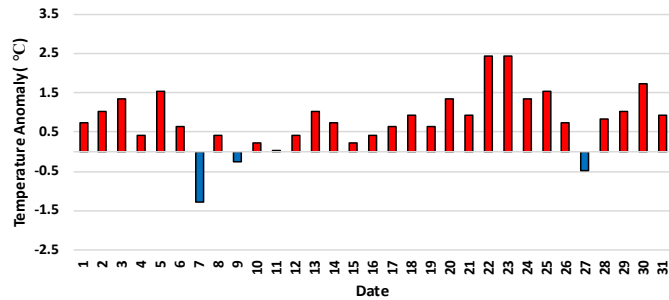
Wind frequencies show winds mainly from the Eastern and South Eastern sectors at Pointe Canon during October 2025. For a short duration, northeasterly fresh to strong winds have also been observed. Otherwise, mostly moderate winds prevailed at Pointe Canon.

Minimum Temperature

Pointe Canon-Maximum Temperature-October 2025



Pointe Canon-Minimum Temperature-October 2025



Temperature

Mean minimum temperature anomaly was +0.8°C at Pointe Canon and -0.3°C at Plaine Corail.

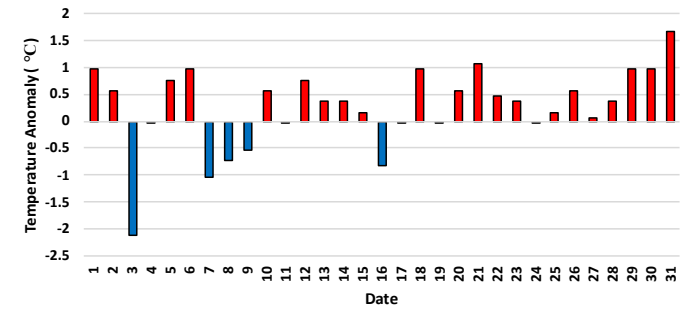
Mean maximum temperature anomaly was +0.2°C at Pointe Canon and -0.5°C at Plaine Corail.

The highest/lowest minimum and maximum temperatures recorded at Pointe Canon and Plaine Corail were as follows:

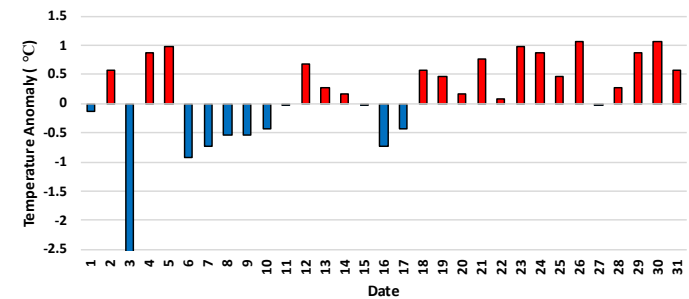
Pointe Canon		
	Min	Max
Highest	23.1°C (22,23 Oct)	28.3°C (31 Oct)
Lowest	19.4°C (07 Oct)	24.5°C (03 Oct)
Plaine Corail		
	Min	Max
Highest	23.2°C (22 Oct)	28.6°C (30 Oct)
Lowest	18.9°C (27 Oct)	23.9°C (03 Oct)

Maximum Temperature

Pointe Canon-Maximum Temperature-October 2025



Plaine Corail-Maximum Temperature-October 2025

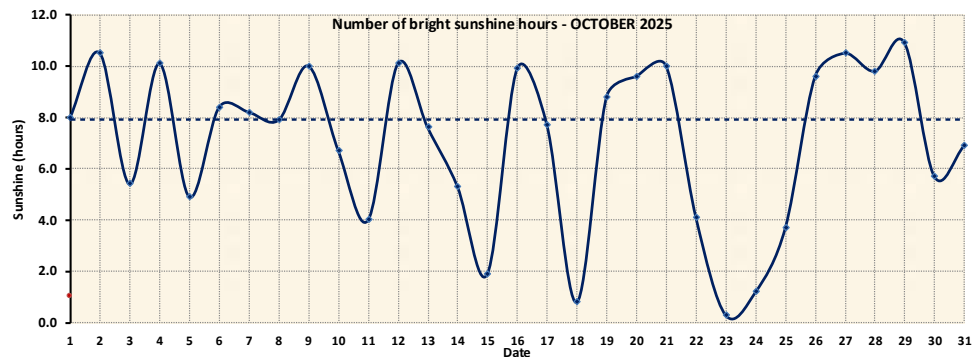
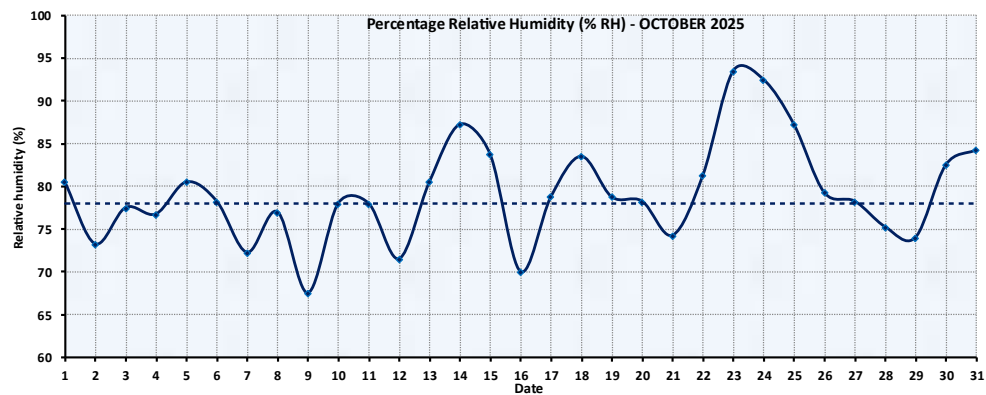


Climate Agalega

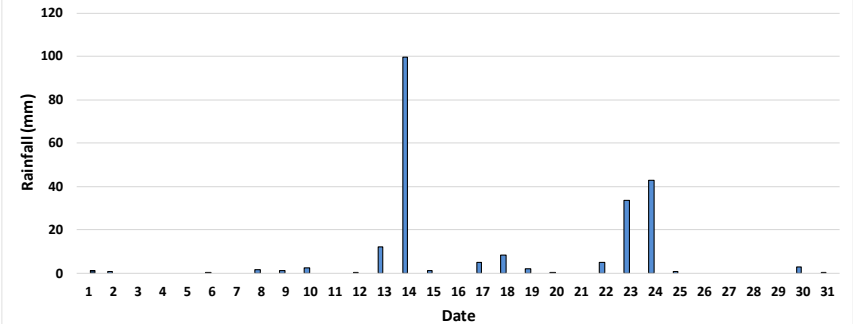
Sunshine and Humidity

The mean relative humidity for the month at Agalega was 79%. The daily humidity ranged from 70 % to 95%.

The average number of daily bright sunshine hours was 7.1 (anomaly of -0.8). The total number of bright sunshine hours for the month was 218.5

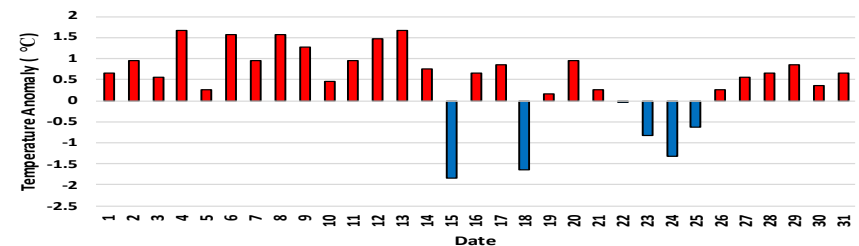


Rainfall at Agalega - October 2025

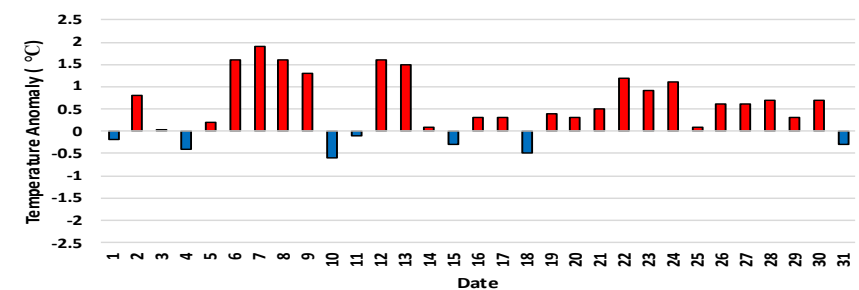


The month of October 2025 was the third wettest month since the last thirty years at Agalega. The monthly cumulative rainfall amount to 220mm representing 231% of the LTM (91-20). The highest 24-hour rainfall recorded for the month was around 100mm on 14 October.

Agalega-Maximum Anomaly- October 2025



Agalega-Minimum Anomaly- October 2025



Mean maximum and mean minimum temperature anomalies were 0.48 and 0.53°C respectively. The highest maximum temperature for the month was 31.9°C on 04 and the lowest minimum temperature for the month was 23.3°C on 10 October.