

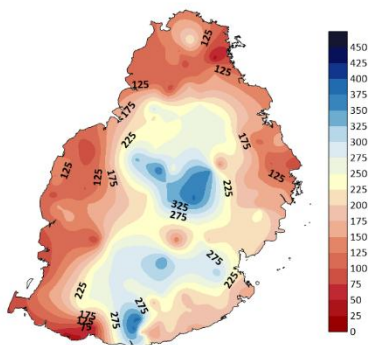
MAURITIUS METEOROLOGICAL SERVICES

CLIMATE FEBRUARY 2025

Introduction

February 2025 was the sixth driest during the last 25 years and the warmest since the last 60 years. 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. The signal of the Maden Julian Oscillation (MJO) was active in the Indian Ocean during the first week of the month and was weak thereafter. Two storms, namely Tropical Depression Faida and Intense Tropical Cyclone Garance evolved in the vicinity of Mauritius during the month. Cyclone warnings Class 2 and Class 3 were issued for Faida and Garance respectively.

Monthly rainfall



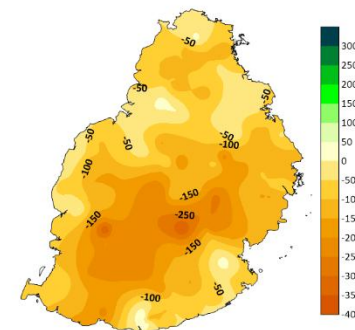
Rainfall

February 2025 was the sixth driest February since the last 25 years with only 190 mm of rainfall and representing 59% of the long-term mean.

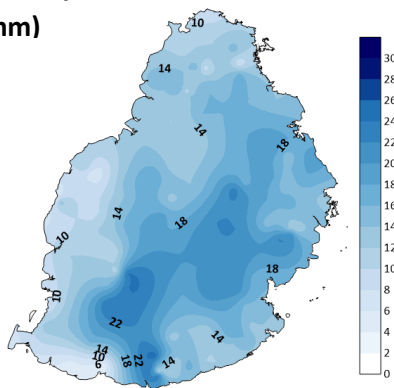
About 40% of the total rainfall was recorded in the first fortnight and the remaining 60% was recorded in the second fortnight.

The highest cumulative rainfall for the month was 387.0 mm, recorded at Combo.

Monthly rainfall Anomaly



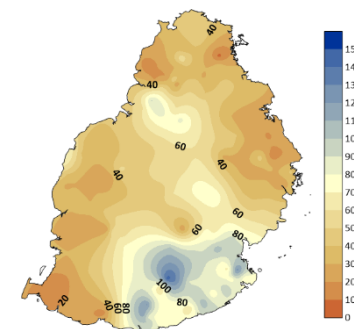
Rainfall days (> 1 mm)



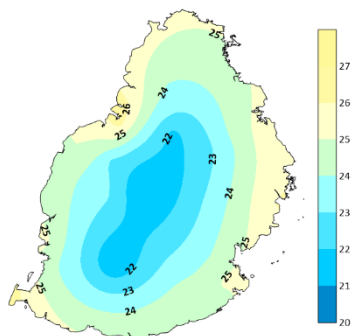
The highest number of rainy days (≥ 1 mm) was observed at Combo with 25 rainy days.

Highest 24-hour rainfall was 144 mm recorded at Hewitson, on 16 February.

Highest 24-hour Rainfall



Minimum
Temperature

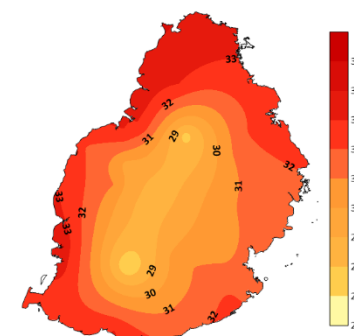


Temperature

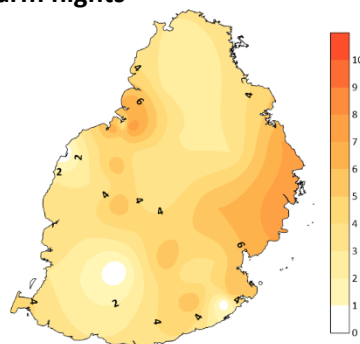
Several places recorded extreme maximum temperatures during February 2025. The highest maximum was 36.9 °C at Riviere Noire, recorded on 07 February. The lowest maximum temperature recorded was 23.3 °C at Grand Bassin on 01 February.

The highest minimum was 28.5 °C at Port Louis, recorded on 22 February and the lowest minimum was 19.5 °C at Belle Rive, recorded on 09 and 10 February.

Maximum
Temperature



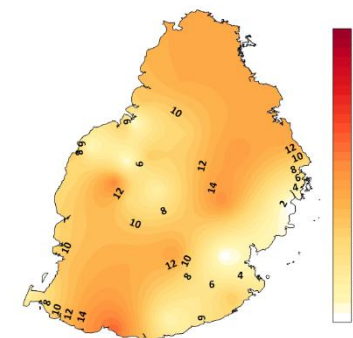
Warm nights



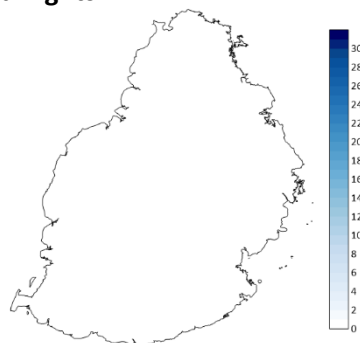
The highest number of warm nights observed was 08, recorded at Quatre Soeurs and Champ de Mars.

Days were particularly warm during the month. The highest number of warm days was 19 at St Felix and 17 at Quatre Bornes.

Warm days

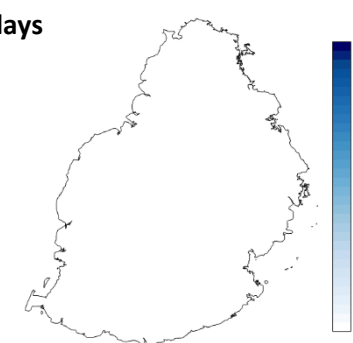


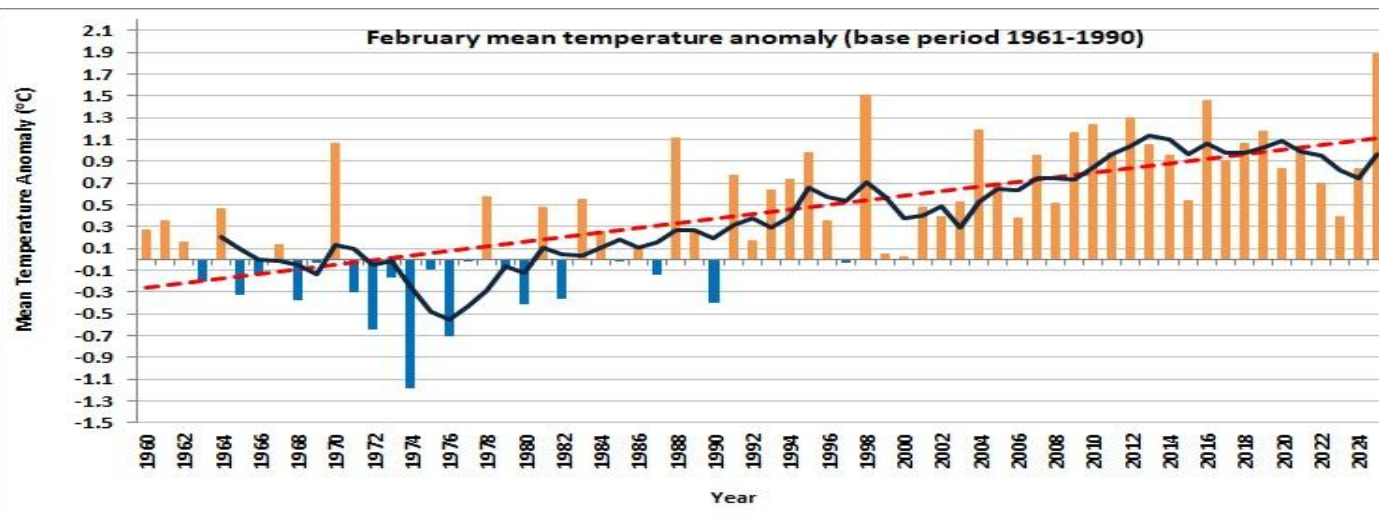
Cold nights



No cold nights and cold days were recorded during February 2025.

Cold days



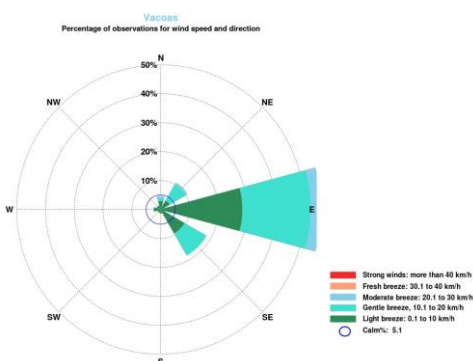
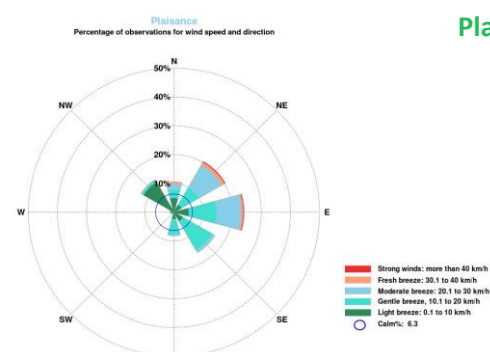


February 2025 was the warmest since the last 60 years.

The mean temperature over the island was 1.15 °C warmer than the LTM of 1991-2020.

The mean maximum temperature was 1.3 °C warmer than long-term mean and the mean minimum temperature was 1.0 °C warmer than the long-term mean.

Winds



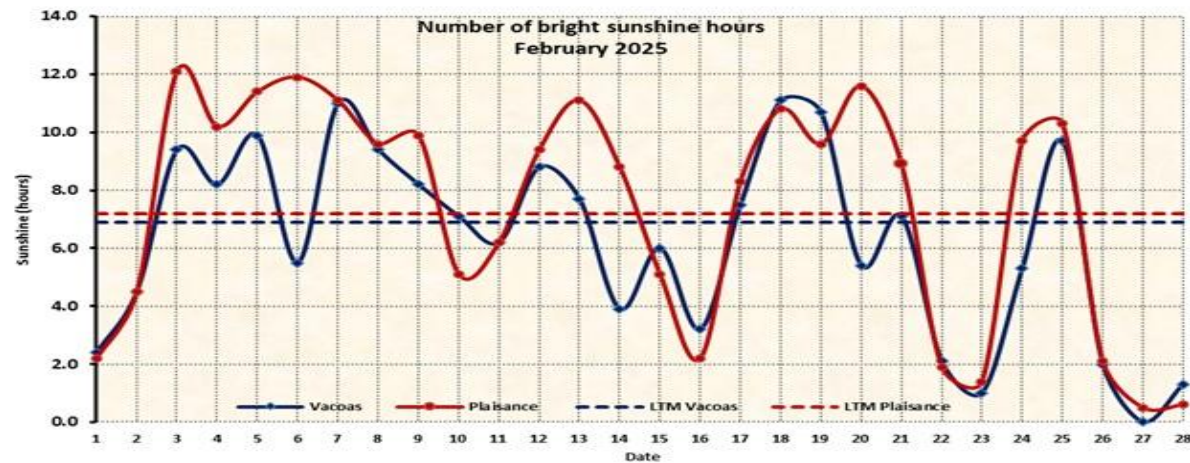
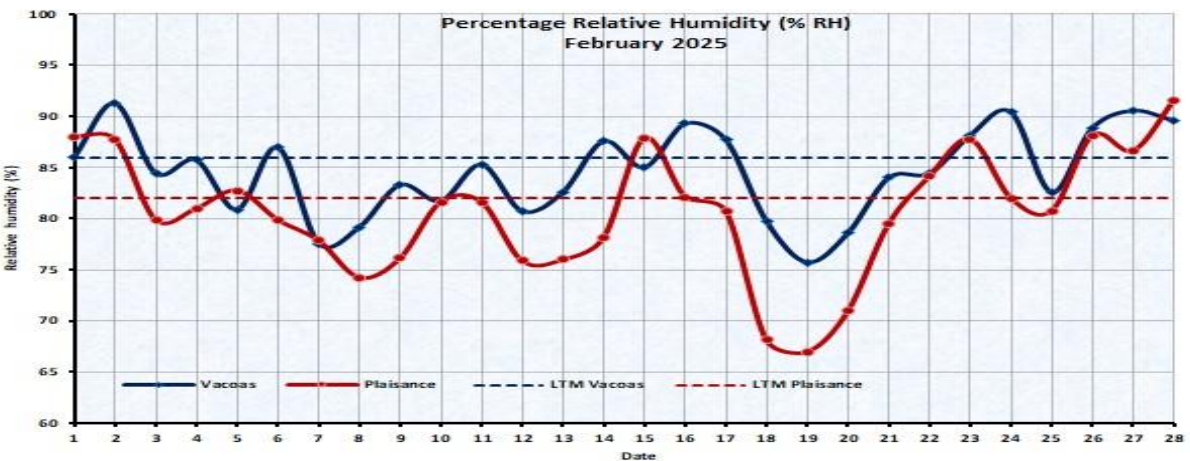
Wind frequencies show winds mainly from the Eastern sector both at Plaisance (top) and at Vacoas (bottom). Light to moderate winds prevailed most of the time over the island but on a few occasions fresh to strong breeze were recorded at both stations during the passage of Tropical Depression ‘Faïda’ and Intense Tropical Cyclone ‘Garance’ in the vicinity of Mauritius. The highest gusts recorded during February 2025 were as follows:

Regions	Highest gusts (km/h)	Date February
Quatre Soeurs	87	11
Champ de Mars	83	2
Le Morne	80	27
Riviere Noire	79	27
D. Les Pailles	72	28
Midlands	70	28
Plaisance	69	2

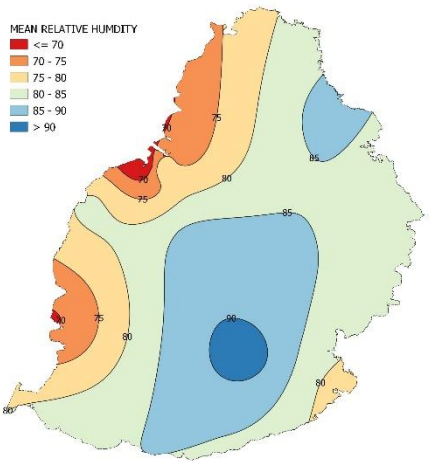
Sunshine and Humidity

The mean relative humidity for the month was 85% at Vacoas and 81% at Plaisance. The daily humidity ranged from 76% to 91% at Vacoas and from 67% to 92% at Plaisance.

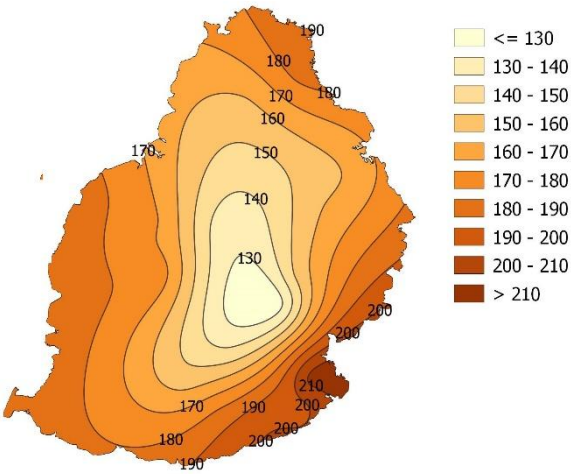
The average number of daily bright sunshine hours was 6.2 at Vacoas and 7.4 at Plaisance (anomaly of -0.7 at Vacoas and +0.2 at Plaisance). The total number of bright sunshine hours for the month was 174.6 at Vacoas and 206.5 at Plaisance.



Monthly mean humidity
February 2025



Monthly total sunshine hours
February 2025

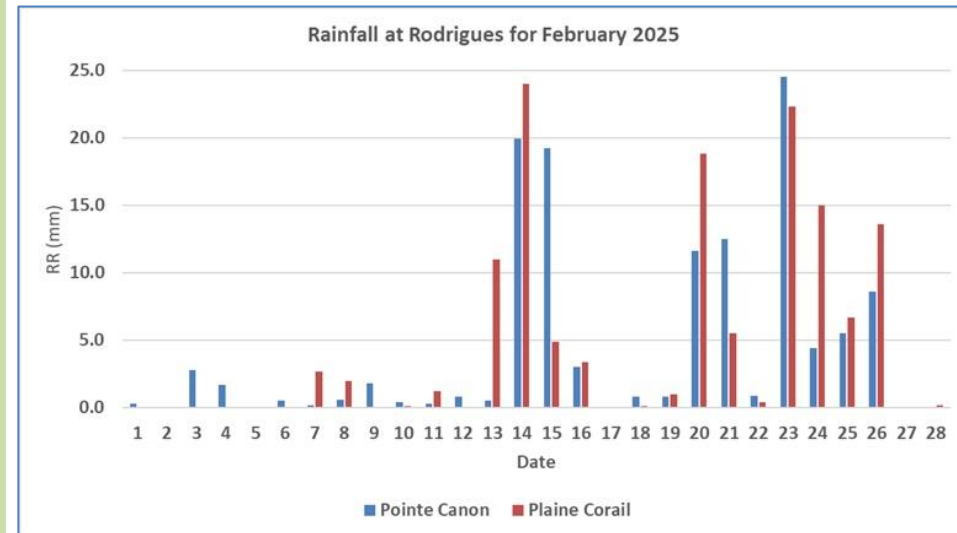
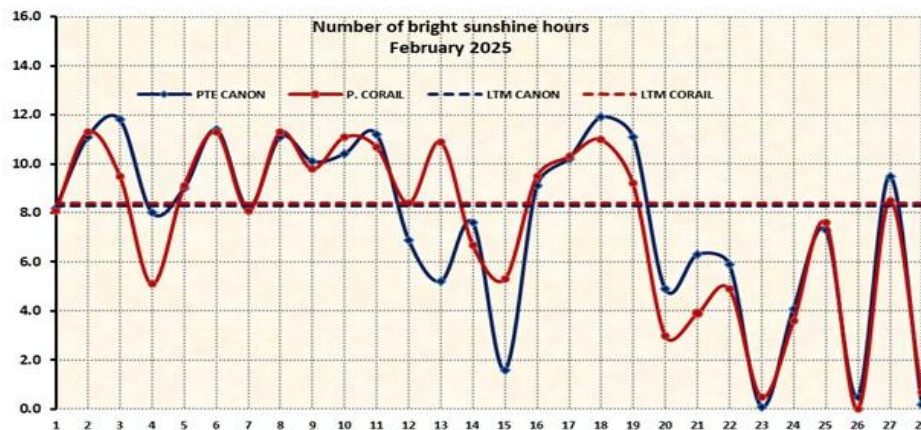
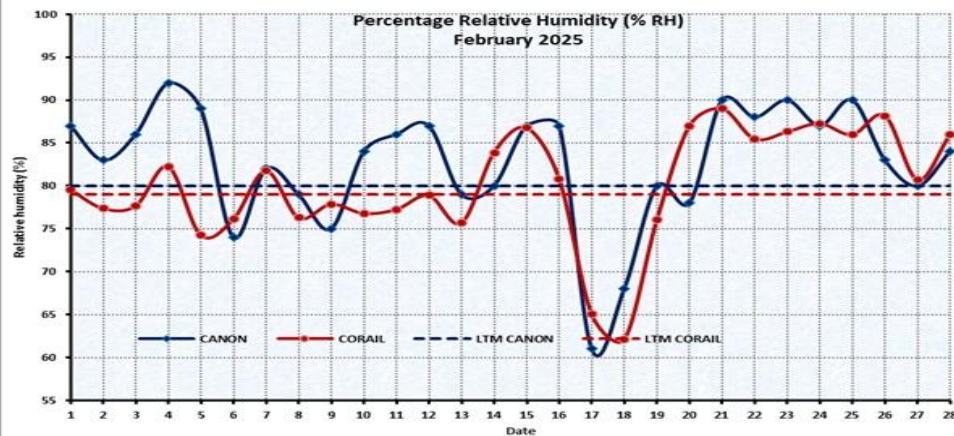


Climate Rodrigues

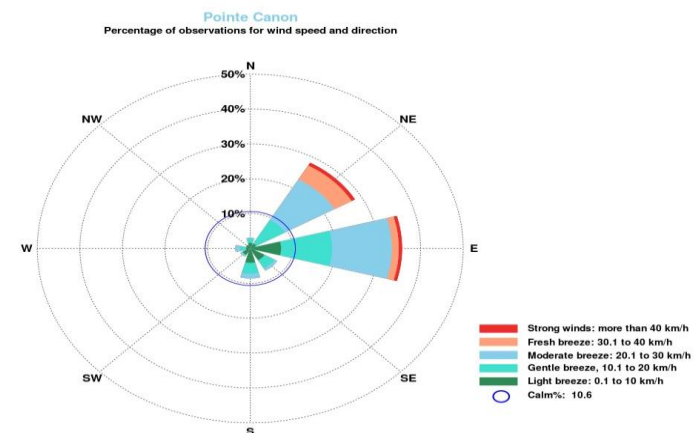
Sunshine and Humidity

The mean relative humidity for the month was 83% at Pointe Canon and 80% at Plaine Corail. The daily humidity ranged from 61% to 92% at Pointe Canon and from 62% to 89% at Plaine Corail.

The average number of daily bright sunshine hours was 7.6 at Pointe Canon and 7.5 at Plaine Corail (anomaly of -0.7 at Pointe Canon and -0.9 at Plaine Corail). The total number of bright sunshine hours for the month was 212.9 at Pointe Canon and 209.4 at Plaine Corail.

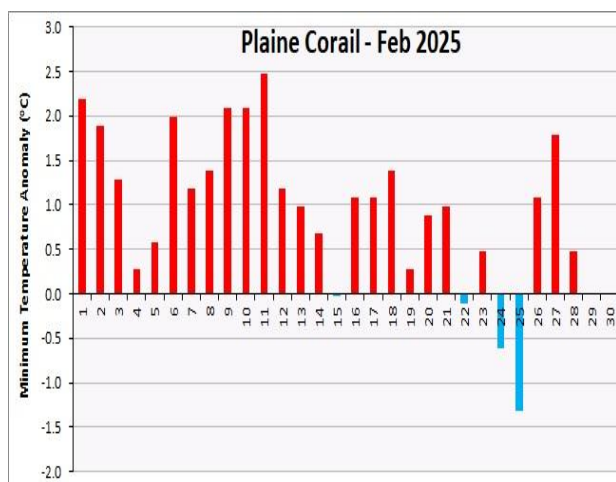
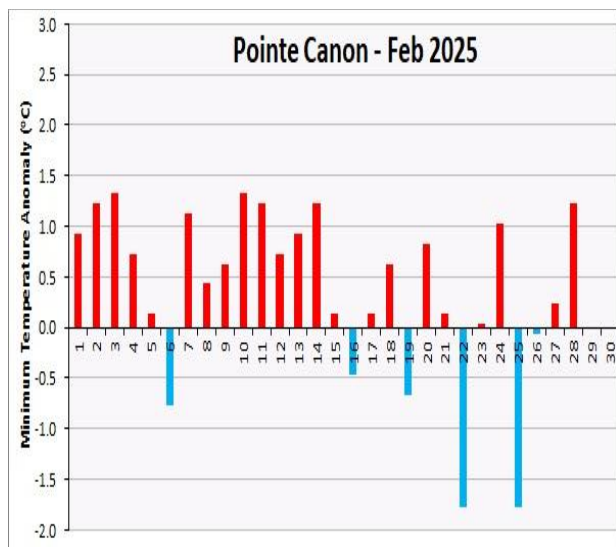


Rainfall was slightly below normal for February 2025 at Rodrigues. Pointe Canon recorded 121.6 mm of rainfall (81% of the long-term mean) and Plaine Corail recorded 132.9 mm of rainfall (83% of the long-term mean).



Wind frequencies show winds mainly from the Eastern and North Eastern sectors at Pointe Canon during February 2025. Light to moderate winds prevailed most of the time but on a few occasions fresh to strong breeze were recorded over Rodrigues.

Minimum Temperature



Temperature

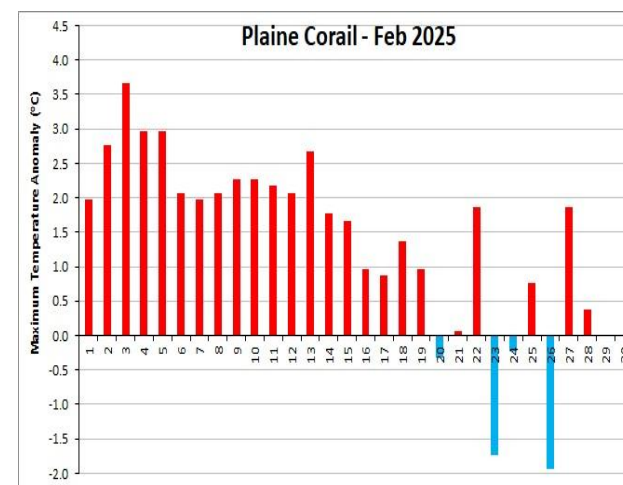
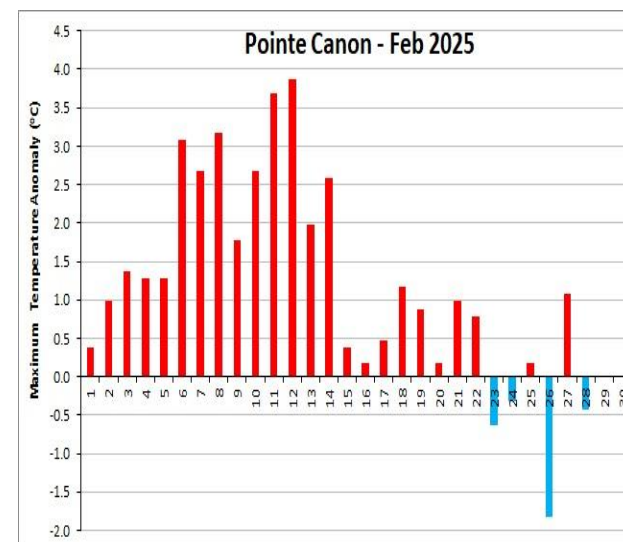
Minimum temperature was on average $+0.4^{\circ}\text{C}$ and $+0.2^{\circ}\text{C}$ warmer than the normal at Pointe Canon and Plaine Corail respectively.

Maximum temperature was on average $+1.2^{\circ}\text{C}$ and $+0.9^{\circ}\text{C}$ warmer than the normal at Pointe Canon and Plaine Corail respectively.

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

Pointe Canon		
	Min	Max
Highest	25.7°C (03 & 10 Feb)	33.9°C (12 Feb)
Lowest	22.6°C (22 & 25 Feb)	28.2°C (26 Feb)
Plaine Corail		
	Min	Max
Highest	27.2°C (11 Feb)	33.7°C (03 Feb)
Lowest	22.3°C (25 Feb)	28.0°C (26 Feb)

Maximum Temperature

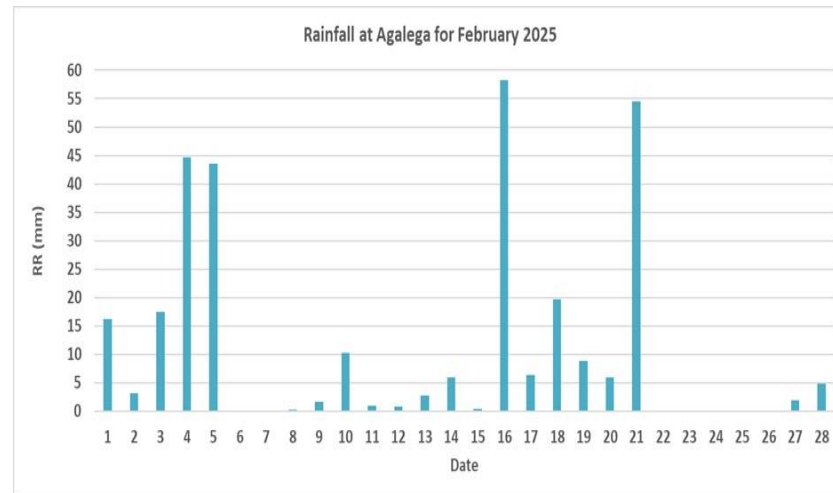
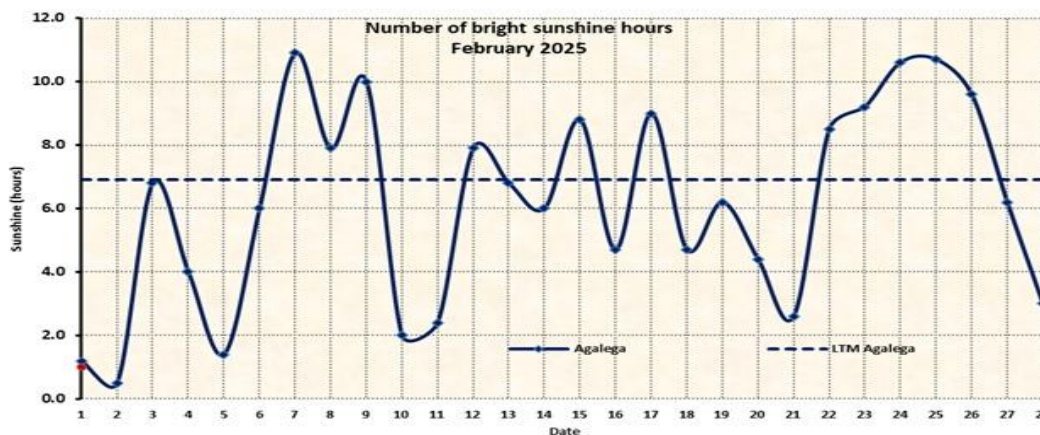
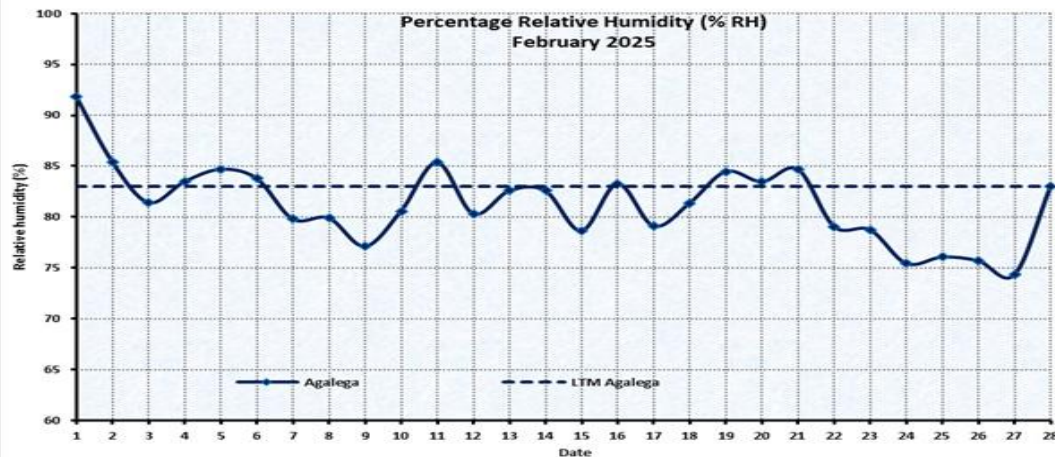


Climate Agalega

Sunshine and Humidity

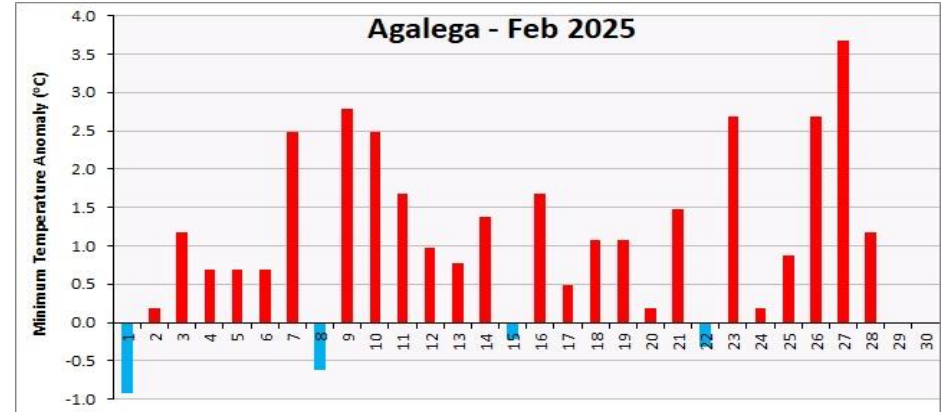
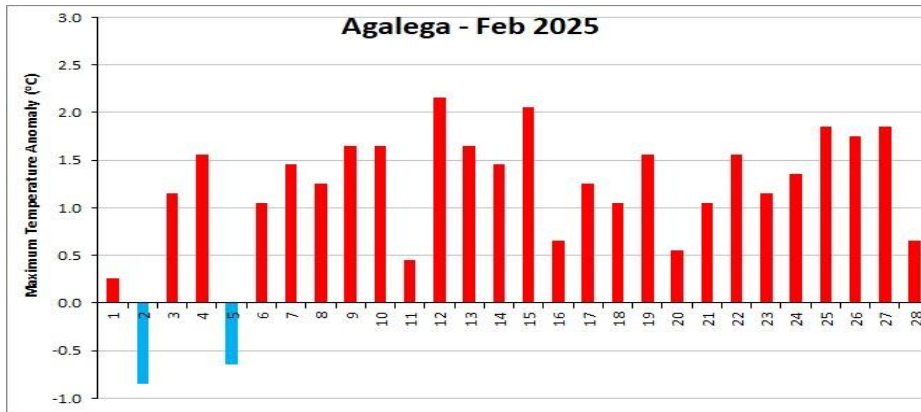
The mean relative humidity for the month at Agalega was 81%. The daily humidity ranged from 74% to 92%.

The average number of daily bright sunshine hours was 6.1 at Agalega (anomaly of -0.8). The total number of bright sunshine hours for the month at Agalega was 172.0.



Rainfall was slightly above normal for February 2025 at Agalega with about 278 mm and representing 109% of the long-term mean. The highest 24-hour rainfall for the month was 58.3 mm recorded on 16 February.

Maximum & Minimum Temperature – February 2025



The mean maximum temperature was 1.2 °C warmer than the normal and the mean minimum temperature was 1.1 °C warmer than the normal at Agalega. The highest maximum temperature and lowest maximum temperature recorded at Agalega were 33.5 °C (12 February) and 30.5 °C (02 February). The highest minimum temperature and lowest minimum temperature recorded at Agalega were 28.0 °C (27 February) and 23.4 °C (01 February).