



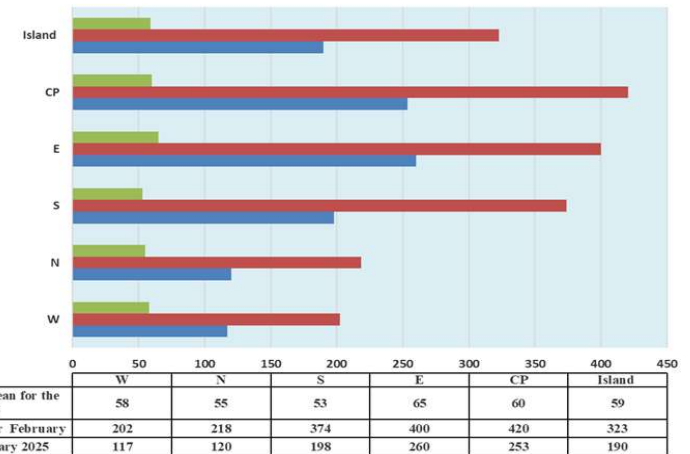
MAURITIUS METEOROLOGICAL SERVICES

Mean Rainfall for 1-28 February 2025 updated on 17 March 2025

Mauritius

Well Below normal rainfall was recorded in February 2025, amounting to 190 mm, which represents 59% of the long-term mean.

February 2025 was ranked as the **first driest February** since 1999 before the passage of Intense Tropical Cyclone 'Garance'. However, during the passage of ITC 'Garance', Mauritius recorded an additional of 100mm of rainfall from 26-28 February 2025. This eventually contributed to an increase in the accumulated rainfall. At present, February 2025 is ranked as the **sixth driest** February since 1999.



Outer Islands

		Amount (mm)		
Stations		Actual Rainfall	LTM Rainfall	% of LTM
Rodrigues	Pointe Canon	122	150	81
	Plaine Corail	133	160	83
	Citronelle	185	226	82
Agalega		278	256	109
St Brandon*		-	-	-

- Slightly below normal rainfall was recorded for Rodrigues
- Normal rainfall was recorded over Agalega.

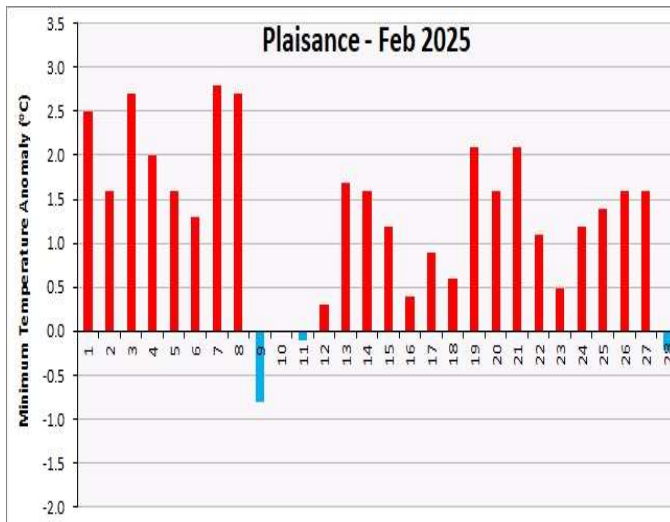
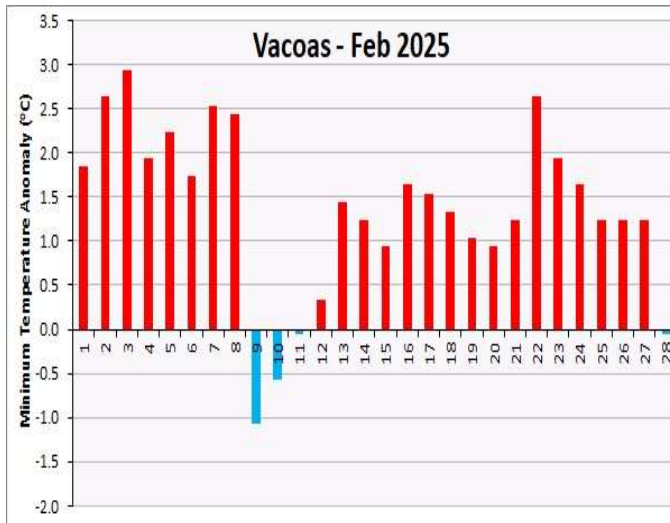
* The St. Brandon Meteorological Station is currently closed



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Temperature for February 2025

Minimum Temperature



Temperature

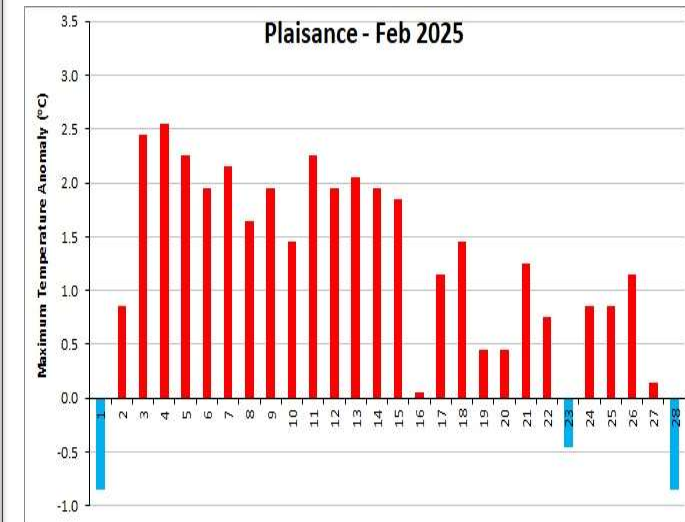
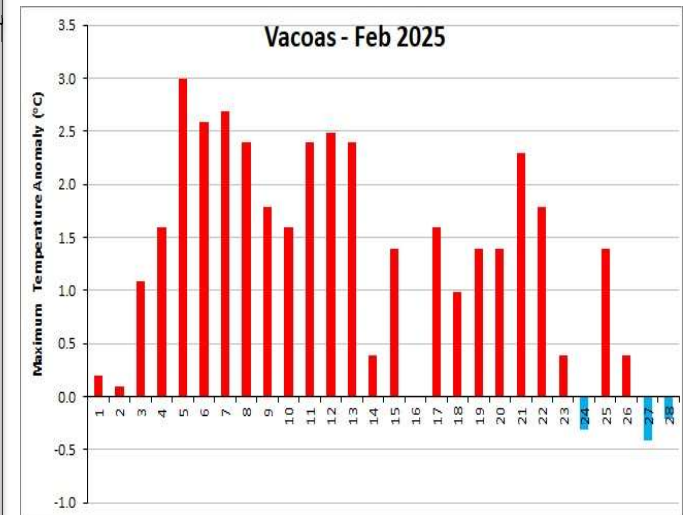
Minimum temperature was on average 1.4 °C and 1.3 °C warmer than the normal at Vacoas and Plaisance respectively.

Maximum temperature was on average 1.3 °C and 1.2 °C warmer than the normal at Vacoas and Plaisance respectively.

The highest and lowest minimum and maximum temperatures recorded at Vacoas and Plaisance were:

Vacoas		
	Min	Max
Highest	24.4 °C (03 Feb)	31.0 °C (05 Feb)
Lowest	20.4 °C (09 Feb)	27.6 °C (27 Feb)
Plaisance		
	Min	Max
Highest	26.7 °C (07 Feb)	32.7 °C (04 Feb)
Lowest	23.1 °C (09 Feb)	29.3 °C (01 & 28 Feb)

Maximum Temperature



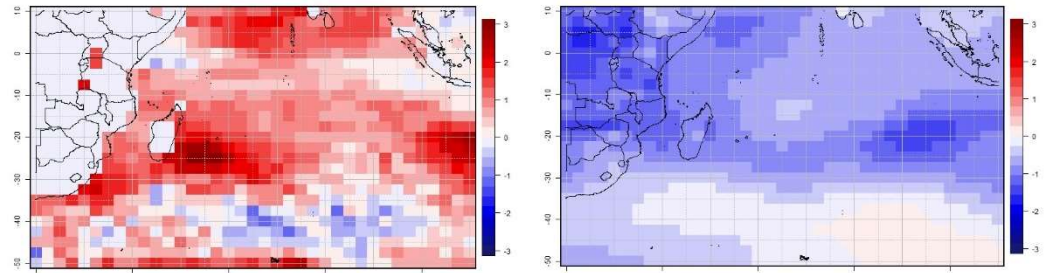


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Rainfall and Temperature Forecast for Mar-Apr-May (MAM) 2025

ENSO, IOD and SIOD conditions are expected to remain neutral during the forecast period.

Sea surface temperatures are expected to be above normal and pressure anomalies to be near normal in the Mascarene region as shown in the sst and pressure anomaly charts respectively.



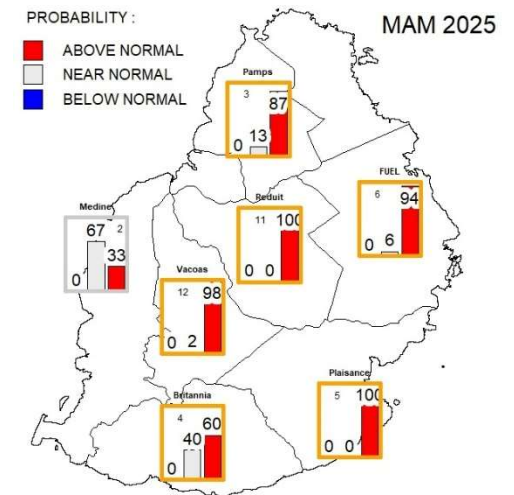
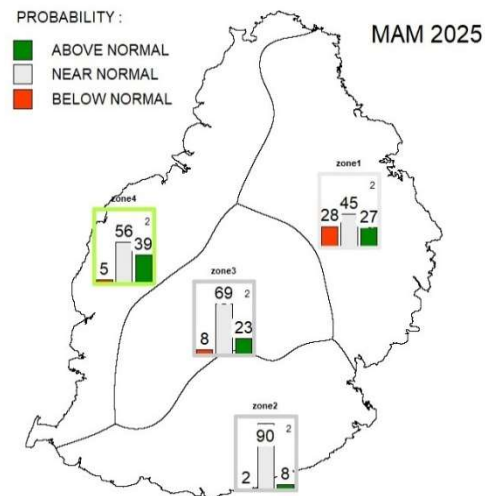
(a) Sea surface temperature (sst) anomaly and (b) pressure anomaly charts for MAM

Consensus rainfall forecast for Mauritius

In spite of statistical rainfall forecast is showing normal tendency, the cumulative rainfall for March to May 2025 is forecasted to be **below normal** as follows:

- **March:** Below Normal (about 190 mm)
- **April:** Below Normal (about 155 mm)
- **May:** Normal (about 120 mm)

Mean temperature is forecasted to be above normal over the whole island.



Statistical Model Forecast of (a) rainfall and (b) temperature for MAM

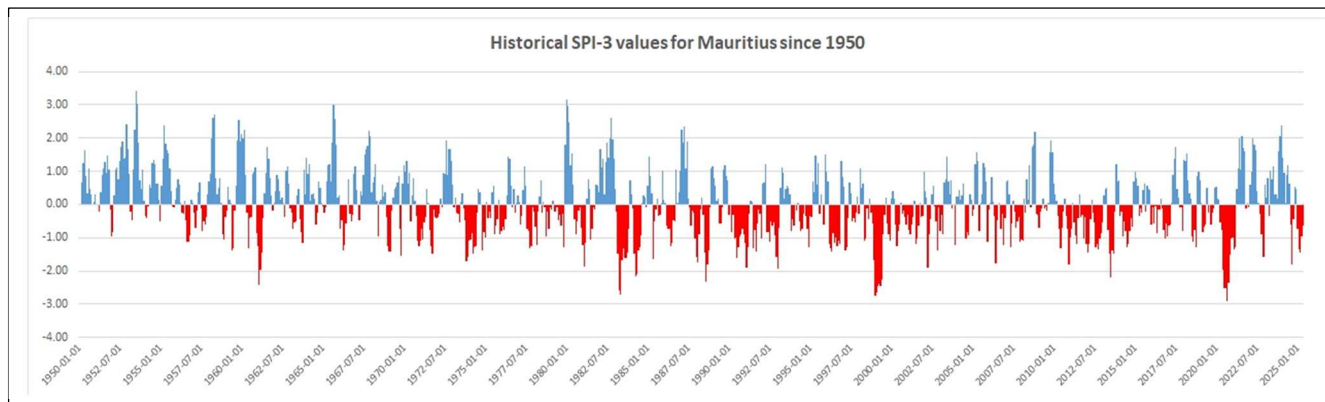


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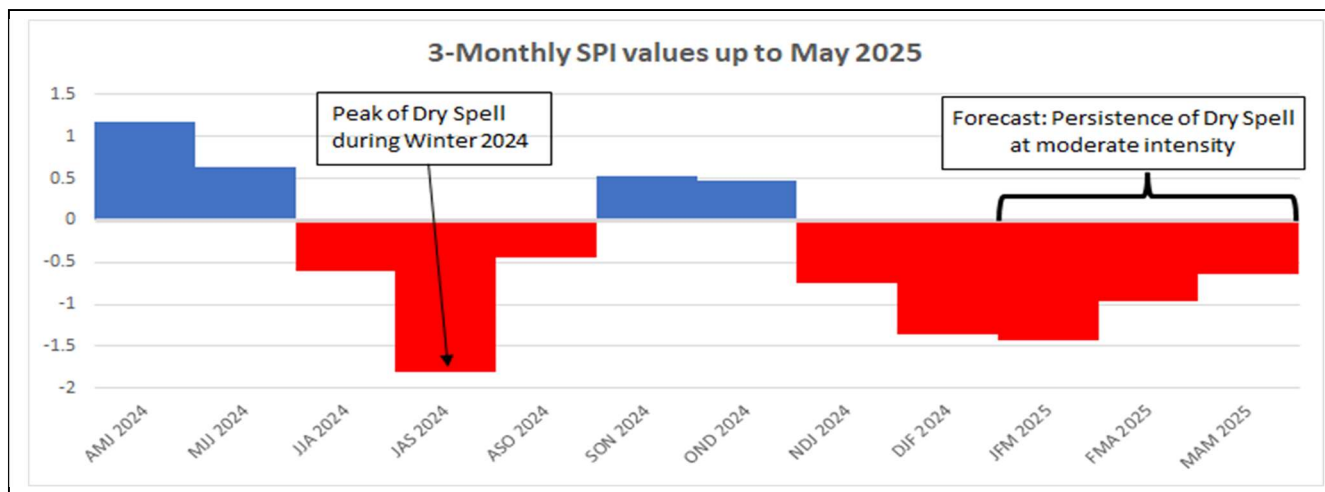
Standardized Precipitation Index (SPI) Monitoring in Mauritius

Aim: To apply the SPI, as approved by the World Meteorological Organization, in Mauritius to monitor rainfall deficits during dry spell events.

Current Status: Rainfall deficits is persisting as shown in Fig (b). Forecast SPI values for **JFM-25**, **FMA-25** and **MAM-25** indicate **weak to moderate dry conditions** may persist with SPI values as follows: **-1.43**, **-0.96** and **-0.63** respectively.



(a) Historical SPI-3 values since 1950



(b) Current SPI-3 value, Status & Forecast

Observed SPI Status 2024		
Period	SPI-3 Value	Category
AMJ	+1.17	Moderately Wet
MJJ	+0.64	Weakly Wet
JJA	-0.60	Weakly Dry
JAS	-1.81	Severely Dry
ASO	-0.45	Weakly Dry
SON	+0.52	Near Normal
OND	+0.47	Near Normal
NDJ	-0.66	Weakly Dry
DJF	-1.36	Moderately Dry
Forecast SPI based on Monthly RR Data		
JFM 25	--1.43	Moderately Dry
FMA 25	-0.96	Moderately Dry
MAM 25	-0.63	Weakly Dry

Legend		
WMO SPI Dry/Wet Classifications		
Level	SPI Values	Category
1	+2.0 and above	Extremely Wet
2	+1.5 to +1.99	Very Wet
3	+1.0 to +1.49	Moderately Wet
4	-0.99 to +0.99	Near Normal
5	-1.0 to -1.49	Moderately Dry
6	-1.5 to -1.99	Severely Dry
7	-2.0 and less	Extremely Dry

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