



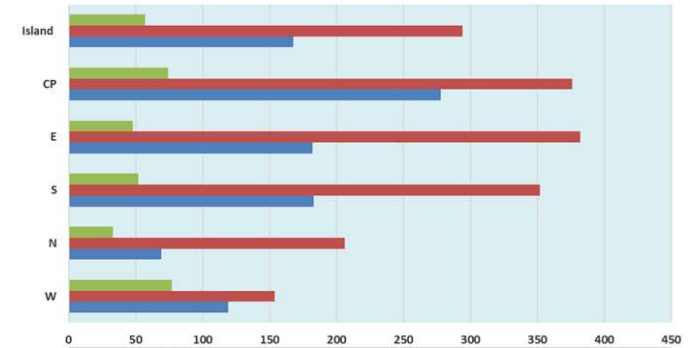
MAURITIUS METEOROLOGICAL SERVICES

Mean Rainfall for 1-31 March 2025 updated on 08 April 2025

Mauritius

March 2025 turned out to be the seventh driest March since the last 30 years with well below normal rainfall, amounting to 168 mm of rainfall, representing 57% of the long-term mean.

The Central Plateau recorded the highest rainfall amounting to 278 mm and the West observed the highest percentage of 77%.



	W	N	S	E	CP	Island
Percentage (%) of Long Term Mean for March 2025	77	33	52	48	74	57
LONG TERM MEAN for March Rainfall (mm)	154	206	352	382	376	294
Actual Mean Rainfall (mm) March 2025	119	69	183	182	278	168

Outer Islands

		Amount (mm)		
Stations		Actual Rainfall	LTM Rainfall	% of LTM
Rodrigues	Pointe Canon	40	162	25
	Plaine Corail	67	162	41
	Citronelle	64	213	30
Agalega		210	193	193
St Brandon*		-	-	-

- Dry condition prevailed over Rodrigues
- Near normal rainfall was recorded over Agalega.

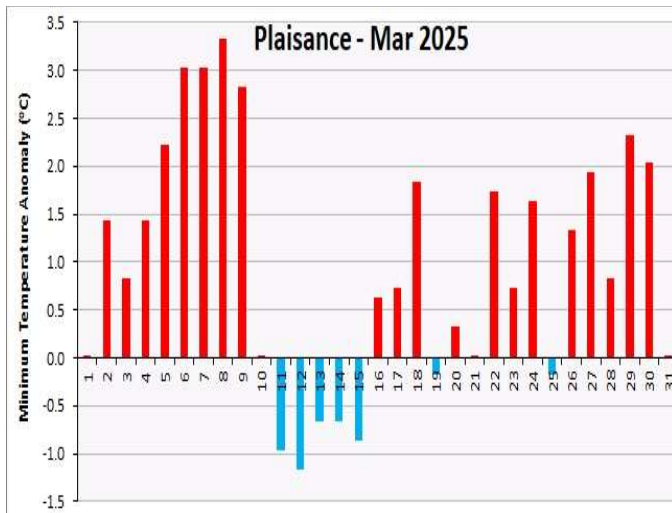
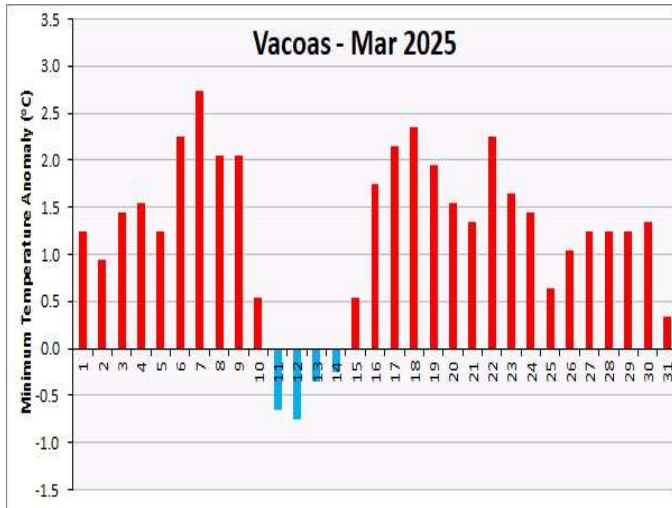
* The St. Brandon Meteorological Station is currently closed



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Temperature for March 2025

Minimum Temperature



Temperature

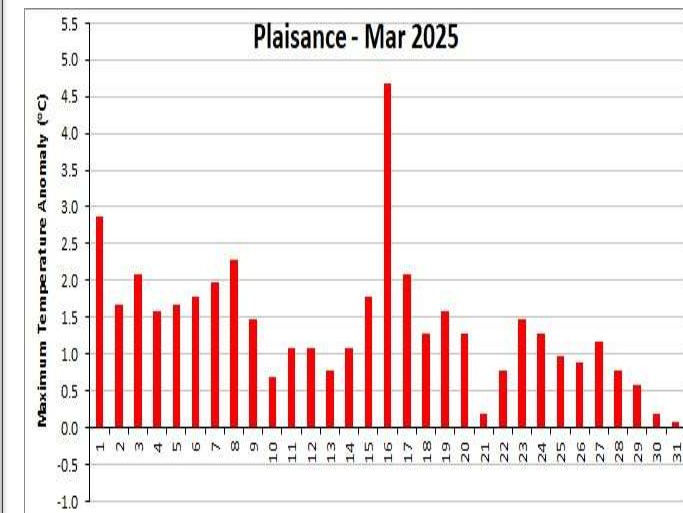
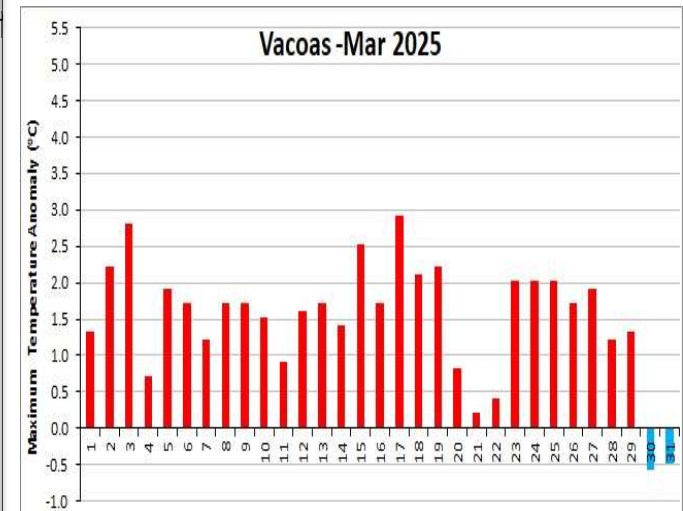
Minimum temperature was on average 1.2 °C and 1.0 °C warmer than the normal at Vacoas and Plaisance respectively.

Maximum temperature was on average 1.5 °C and 1.4 °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	23.9 °C (07 Mar)	30.6 °C (17 Mar)
Lowest	20.4 °C (12 Mar)	27.1 °C (30 Mar)
Plaisance		
	Min	Max
Highest	26.9 °C (08 Mar)	34.3 °C (16 Mar)
Lowest	22.4 °C (12 Mar)	29.7 °C (31 Mar)

Maximum Temperature



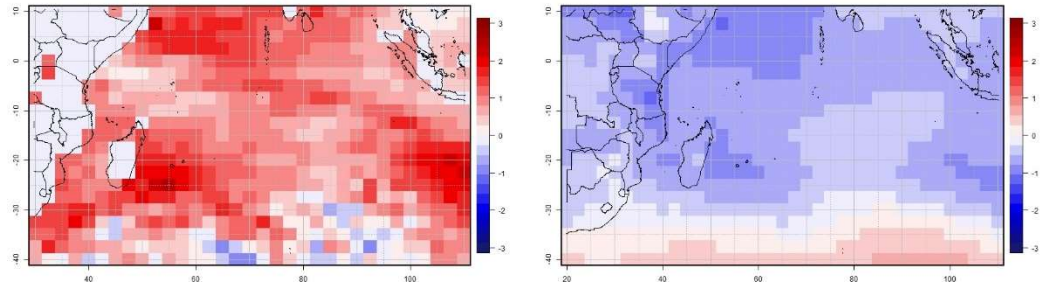


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Rainfall and Temperature Forecast for Apr-May-Jun (AMJ) 2025

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.



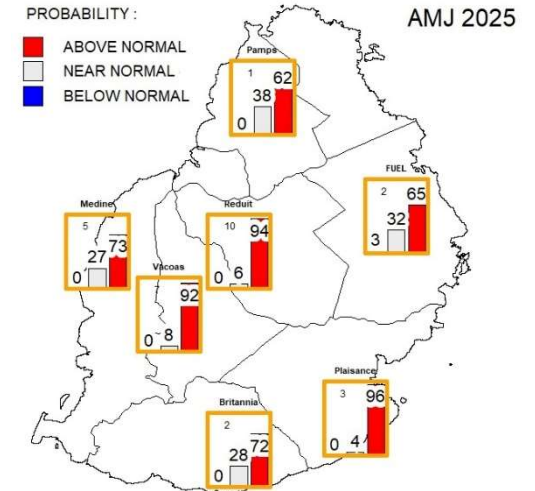
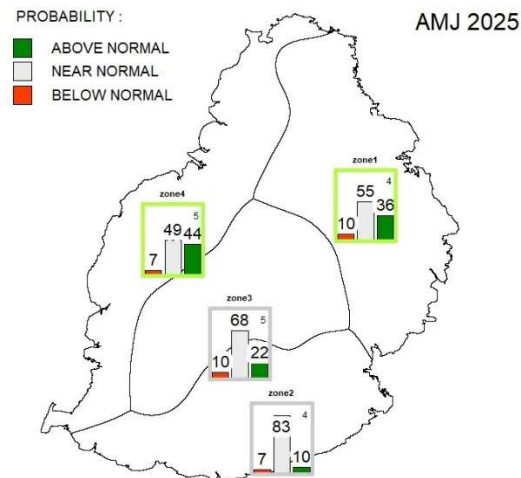
(a) Sea surface temperature (sst) anomaly and (b) pressure anomaly charts for AMJ

Consensus rainfall forecast for Mauritius

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

- **April:** Below Normal (about 135 mm)
- **May:** Below Normal (about 112 mm)
- **June:** Below Normal (about 80 mm)

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



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

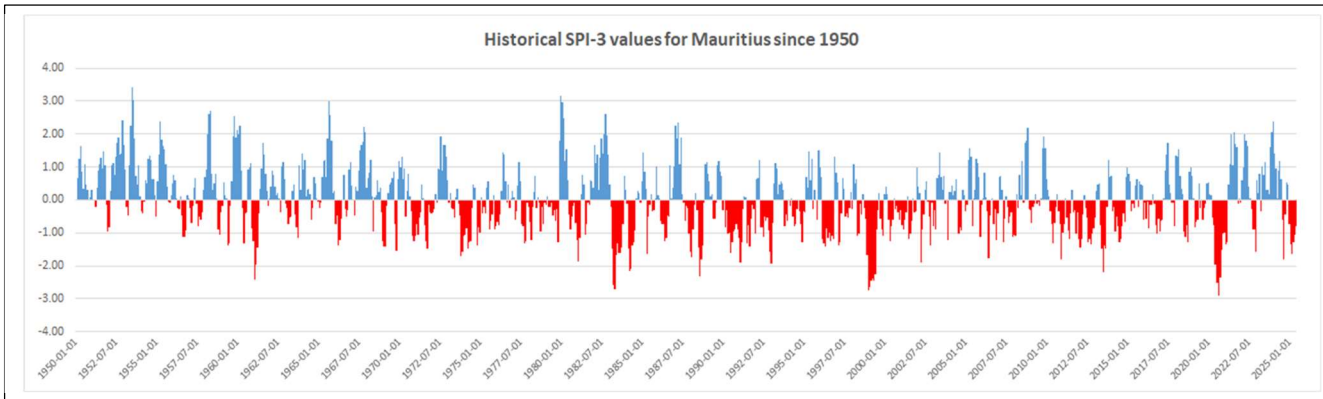


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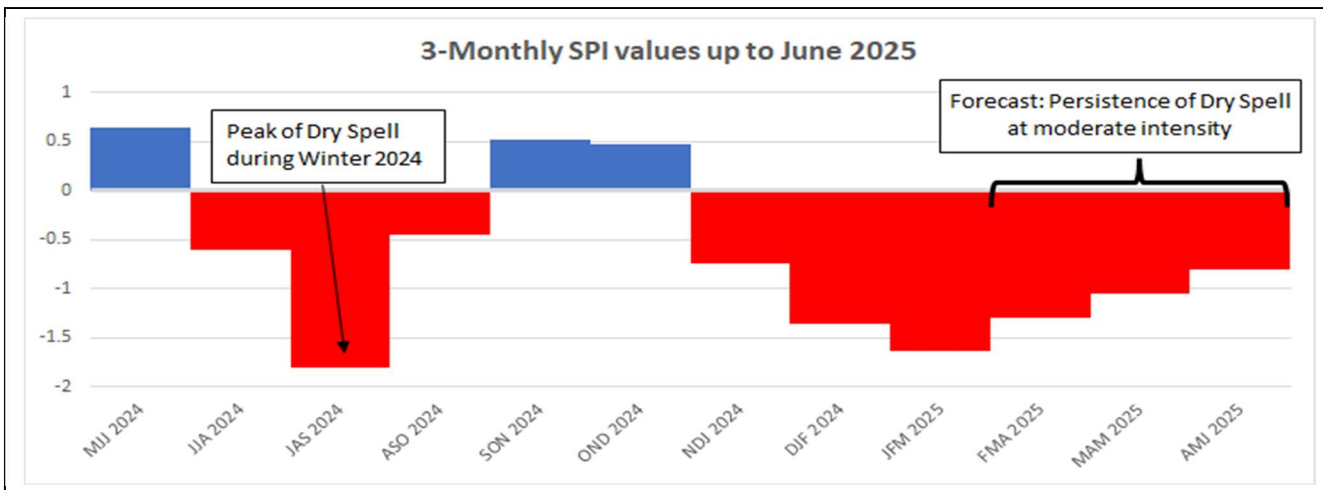
Standardized Precipitation Index (SPI) Monitoring in Mauritius

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 deficit is persisting as shown in Fig (b). Forecast SPI values for **FMA-25**, **MAM-25** and **AMJ-25** indicate **moderate dry conditions** may persist in FMA-25 and MAM-25, becoming weakly dry in AMJ-25 with SPI values as follows: **-1.30**, **-1.05** and **-0.80** respectively.



(a) Historical SPI-3 values since 1950



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

Observed SPI Status 2024		
Period	SPI-3 Value	Category
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
JFM-25	-1.63	Severely Dry
Forecast SPI based on Monthly RR Data		
FMA-25	-1.30	Moderately Dry
MAM-25	-1.05	Moderately Dry
AMJ-25	-0.80	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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