



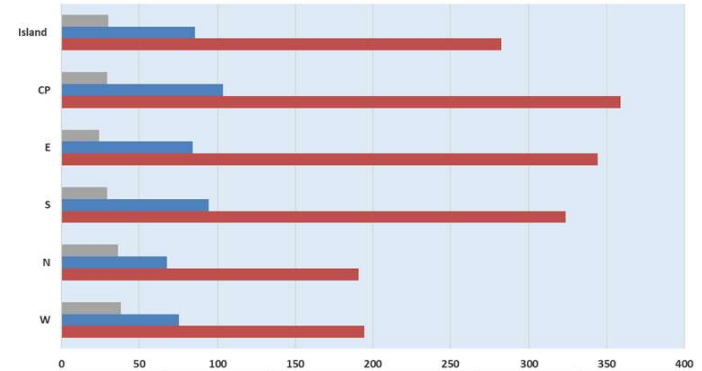
MAURITIUS METEOROLOGICAL SERVICES

Mean Rainfall for 1-31 January 2025 updated on 12 February 2025

Mauritius

January 2025 turned out to be the second driest January since the last 25 years with 85 mm of rainfall, representing 30% of the long-term mean.

The recorded rainfall percentage ranged between 25% and 40% across all regions of the island.



	W	N	S	E	CP	Island
Percentage (%) of Long Term Mean for January 2025	38	36	29	24	29	30
Actual Mean Rainfall (mm) January 2025	75	68	94	84	104	85
LONG TERM MEAN (91-20) for January	195	191	324	344	359	282

Outer Islands

		Amount (mm)		
Stations		Actual Rainfall	LTM Rainfall	% of LTM
Rodrigues	Pointe Canon	66	142	46
	Plaine Corail	34	139	24
	Citronelle	71	198	36
Agalega		210	273	77
St Brandon*		-	-	-

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

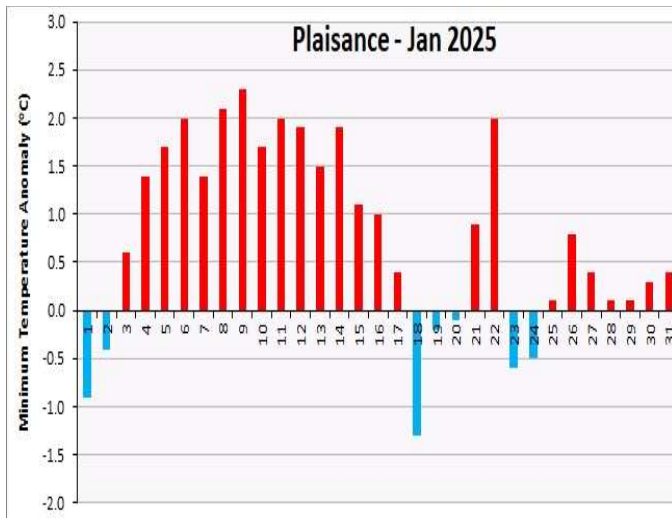
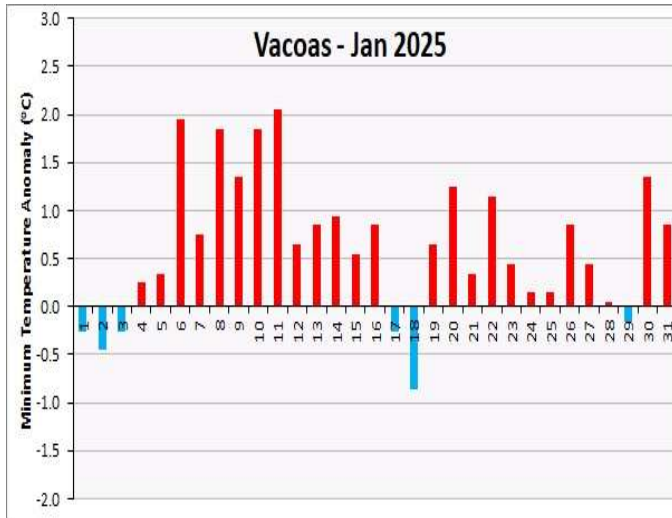
* The St. Brandon Meteorological Station is currently closed



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Temperature for January 2025

Minimum Temperature



Temperature

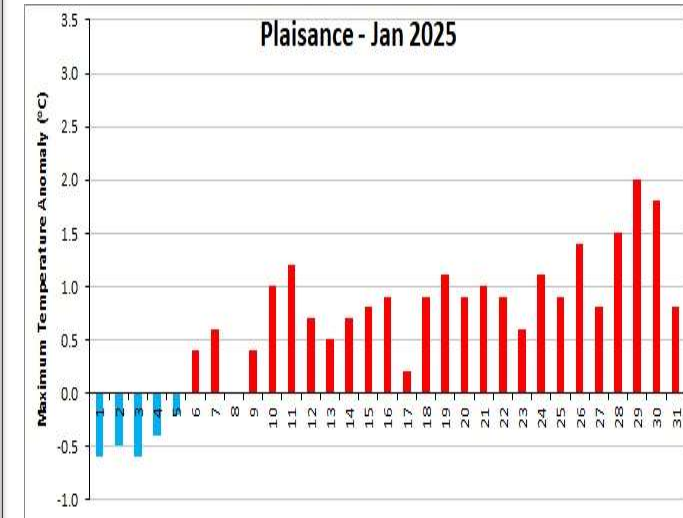
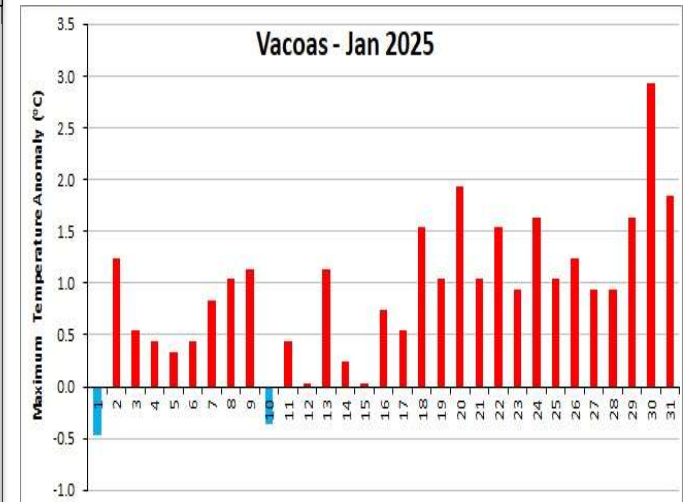
Minimum temperature was on average 0.6 °C and 0.8 °C warmer than the normal at Vacoas and Plaisance respectively.

Maximum temperature was on average 0.9 °C and 0.7 °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	23.3 °C (11 Jan)	31.0 °C (30 Jan)
Lowest	20.4 °C (18 Jan)	27.6 °C (01 Jan)
Plaisance		
	Min	Max
Highest	26.0 °C (09 Jan)	32.2 °C (29 Jan)
Lowest	22.4 °C (18 Jan)	29.6 °C (01 & 03 Jan)

Maximum Temperature



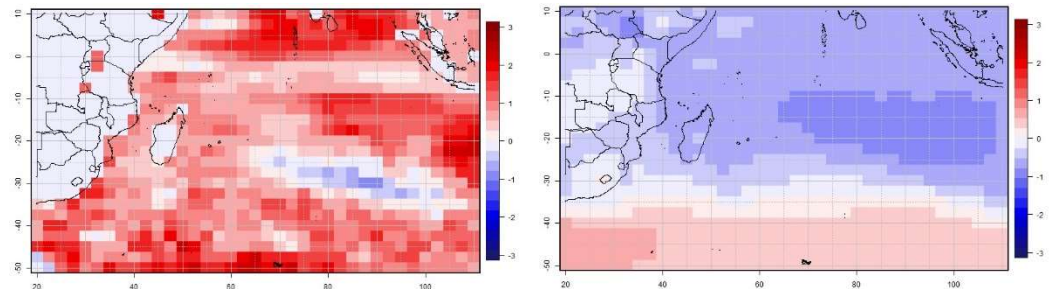


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Rainfall and Temperature Forecast for Feb-Mar-Apr (FMA) 2025

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.



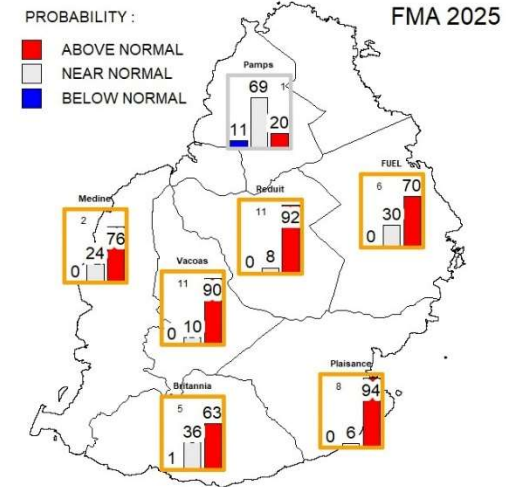
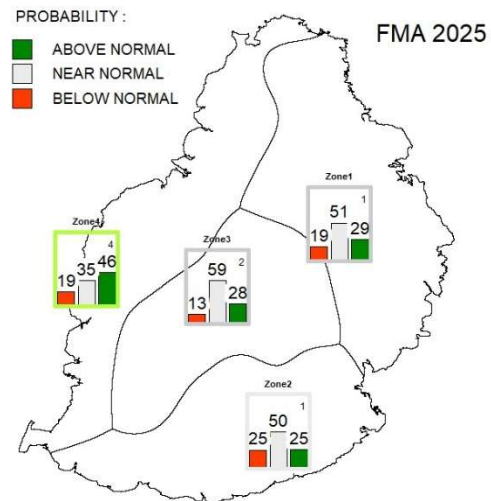
(a) Sea surface temperature (sst) anomaly and (b) pressure anomaly charts for FMA

Consensus rainfall forecast for Mauritius

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

- **February:** Well Below Normal (about 177 mm)
- **March:** Well Below Normal (about 191 mm)
- **April:** Below Normal (about 155 mm)

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



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

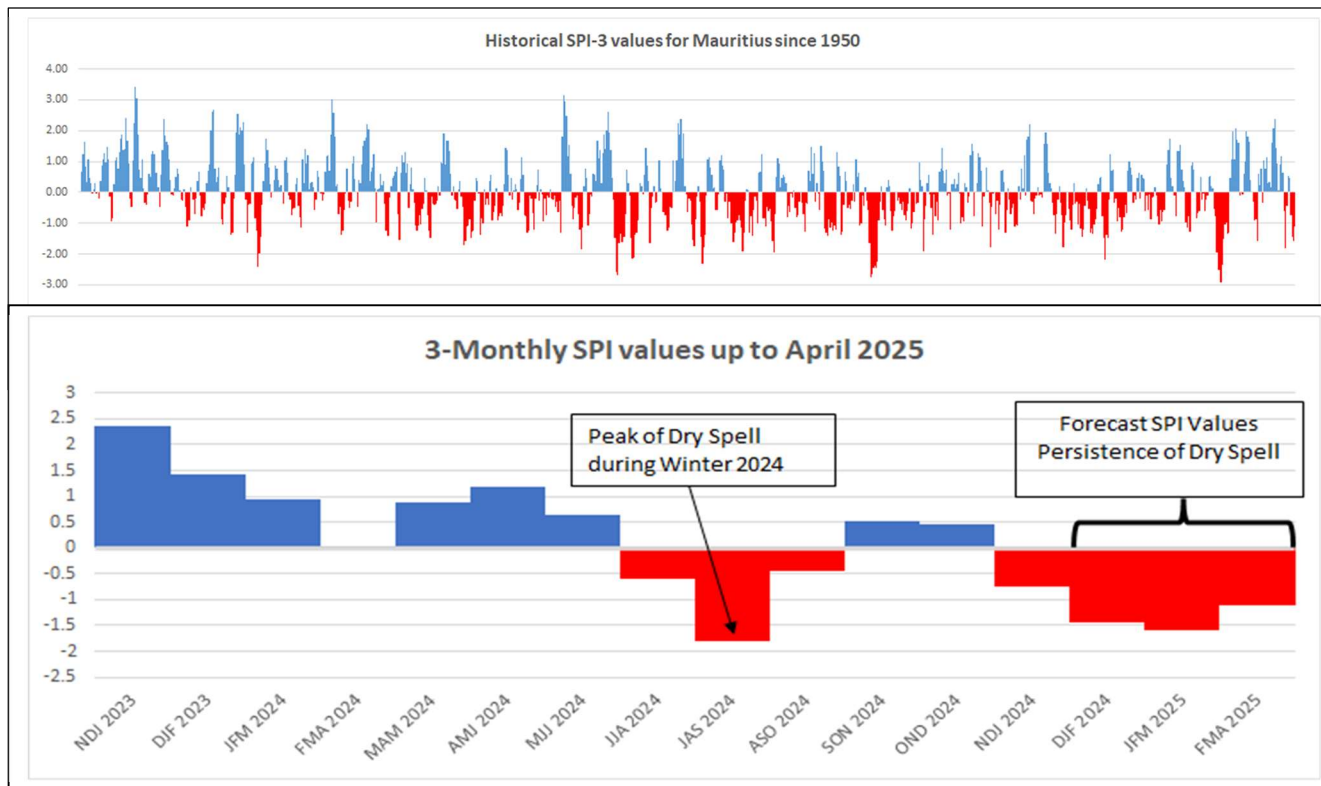


MAURITIUS METEOROLOGICAL SERVICES

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 still persisting, in spite temporarily near normal SPI values in SON and OND-24 as shown in Fig (b). Forecast SPI values for DJF-24, JFM-25 and FMA-25 indicate moderate to severe dry conditions may persist with SPI values as follows: -1.43, -1.58 and -1.12 respectively.



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

Observed SPI Status 2024		
Period	SPI-3 Value	Category
JFM	+2.36	Extremely Wet
FMA	+1.42	Moderately Wet
MAM	+1.07	Moderately Wet
AMJ	+1.17	Moderately Wet
MJJ	+0.64	Near Normal
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
Forecast SPI based on Monthly RR Data		
DJF 24	-1.00	Moderately Dry
JFM 24	--1.03	Moderately Dry
FMA 25	-0.46	Moderately Dry

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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