



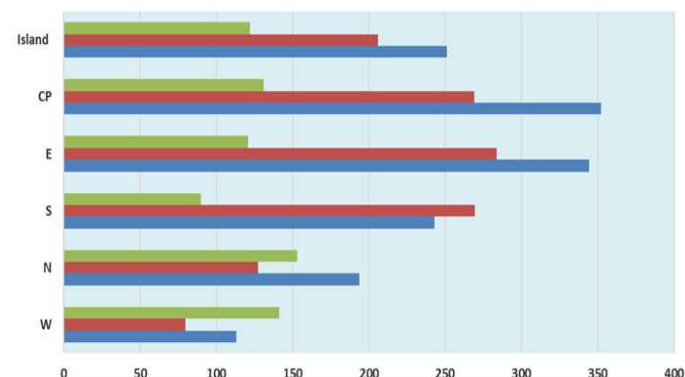
MAURITIUS METEOROLOGICAL SERVICES

Mean Rainfall for 1-30 April 2025 updated on 22 May 2025

Mauritius

April 2025 turned out to be the ninth wettest April since the last 25 years with above normal rainfall, amounting to 251 mm of rainfall, representing 122% of the long-term mean.

The Central Plateau observed the highest rainfall amounting to 352 mm whereas the North recorded the highest percentage of 153 %.



Outer Islands

		Amount (mm)		
Stations		Actual Rainfall	LTM Rainfall	% of LTM
Rodrigues	Pointe Canon	94	130	72
	Plaine Corail	66	113	58
	Citronelle	130	183	71
Agalega		158	174	91
St Brandon*		-	-	-

* The St. Brandon Meteorological Station is currently closed

	W	N	S	E	CP	Island
■ Percentage (%) of Long Term Mean for April 2025	141	153	90	121	131	122
■ LONG TERM MEAN for April 2025	80	127	269	284	269	206
■ Actual Mean Rainfall (mm) April 2025	113	194	243	344	352	251

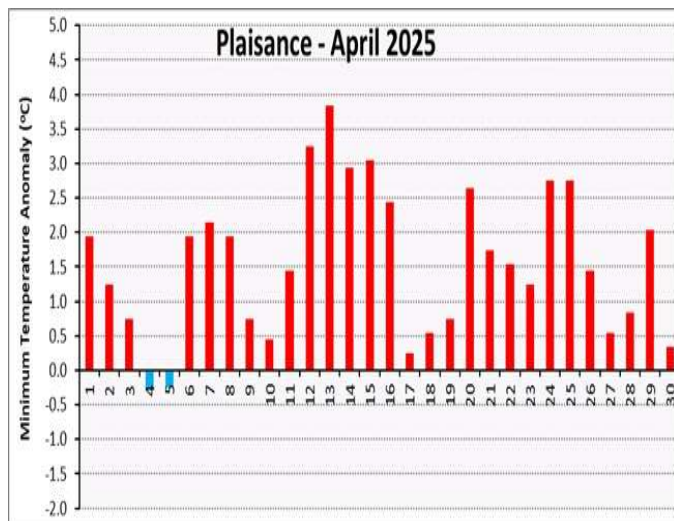
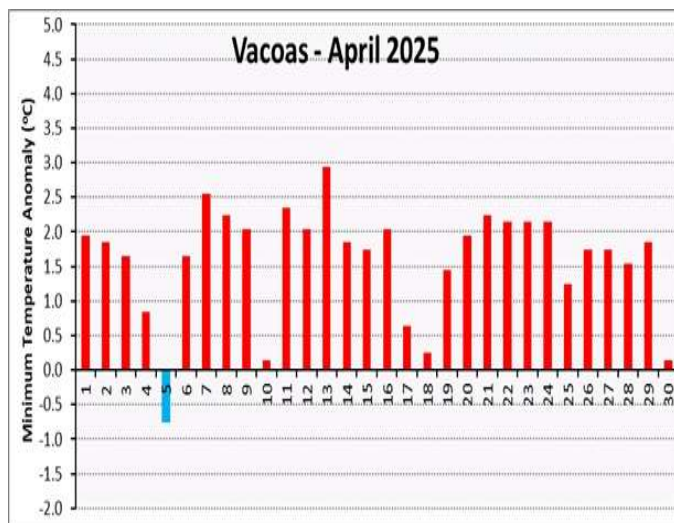
- Well below normal rainfall was observed over Rodrigues
- Near normal rainfall was recorded over Agalega.



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Temperature for April 2025

Minimum Temperature



Temperature

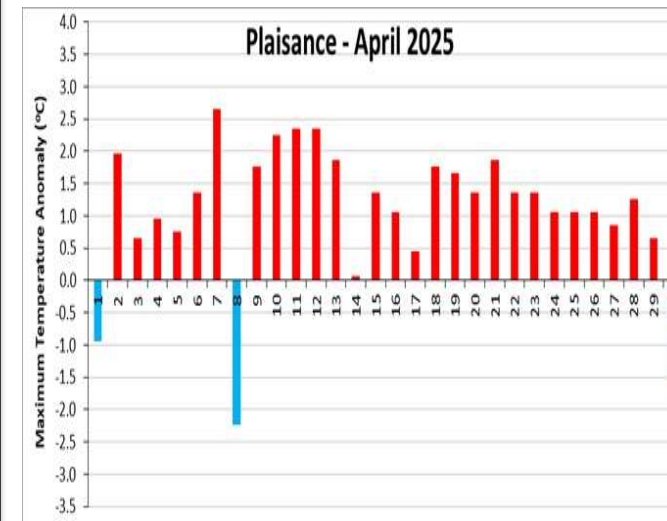
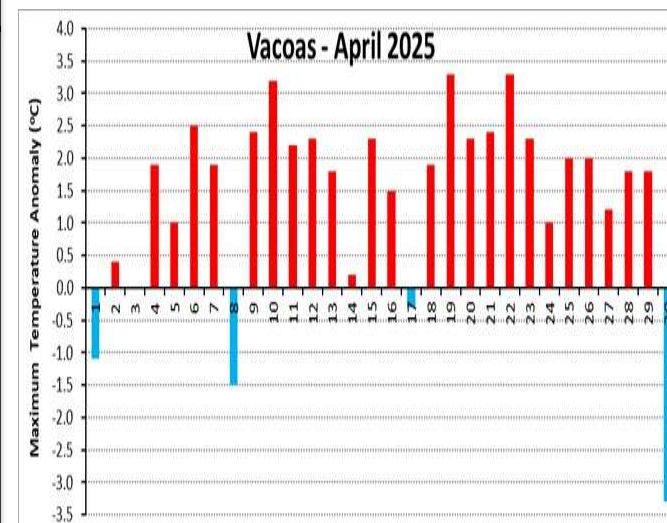
Minimum temperature was on average 1.6 °C warmer than the normal at both Vacoas and Plaisance.

Maximum temperature was on average 1.4 °C and 1.1 °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 (13 Apr)	30.0 °C (19 & 22 Apr)
Lowest	19.6 °C (05 Apr)	23.4 °C (30 Apr)
Plaisance		
	Min	Max
Highest	26.5 °C (13 Apr)	31.4 °C (07 Apr)
Lowest	22.4 °C (04 & 05 Apr)	26.5 °C (08 Apr)

Maximum Temperature



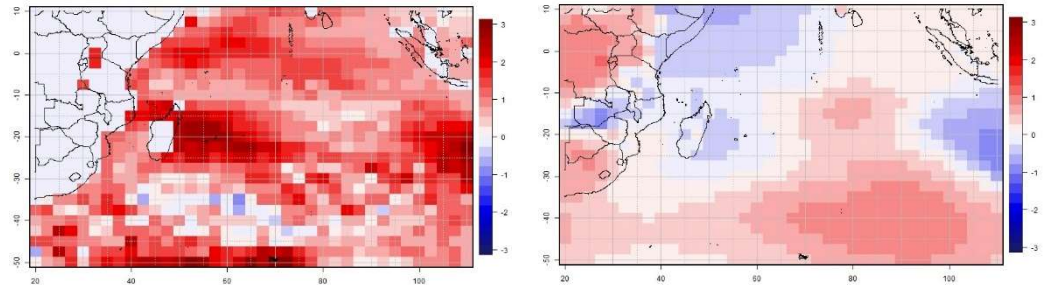


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Rainfall and Temperature Forecast for May-Jun-Jul (MJJ) 2025

ENSO and SIOD conditions are expected to remain neutral while the IOD to be negative 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.



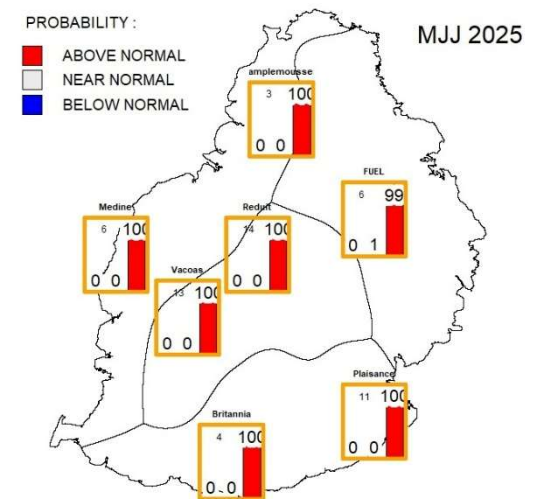
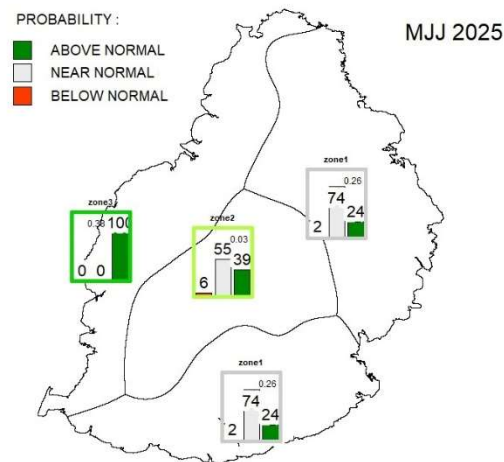
(a) Sea surface temperature (sst) anomaly and (b) pressure anomaly charts for MJJ

Consensus rainfall forecast for Mauritius

Although the statistical rainfall forecast is expecting near normal rainfall, the cumulative rainfall for May to July 2025 is forecasted to be **well above normal** as follows:

- **May:** Very wet (about 320 mm)
- **June:** Near Normal (about 110 mm)
- **July:** Near Normal (about 125 mm)

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



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

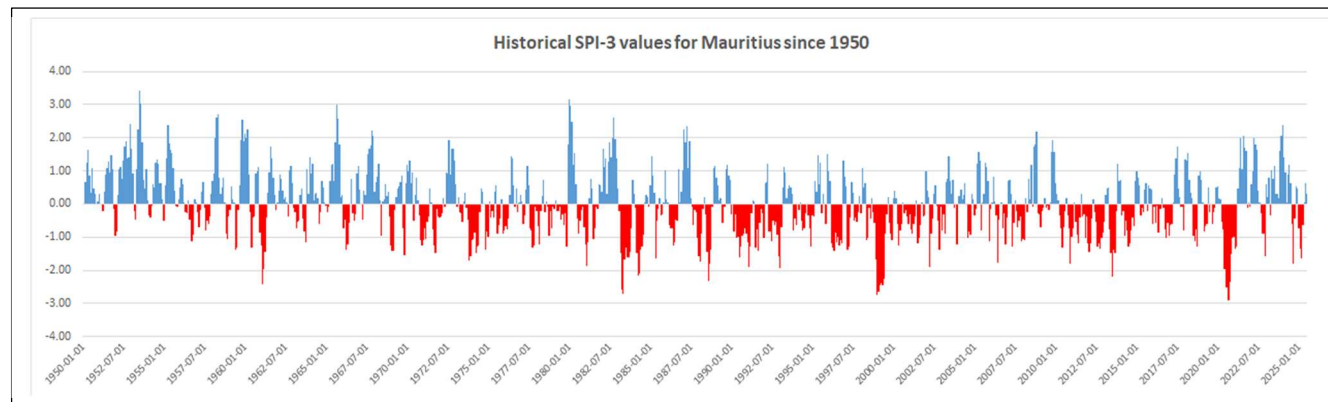


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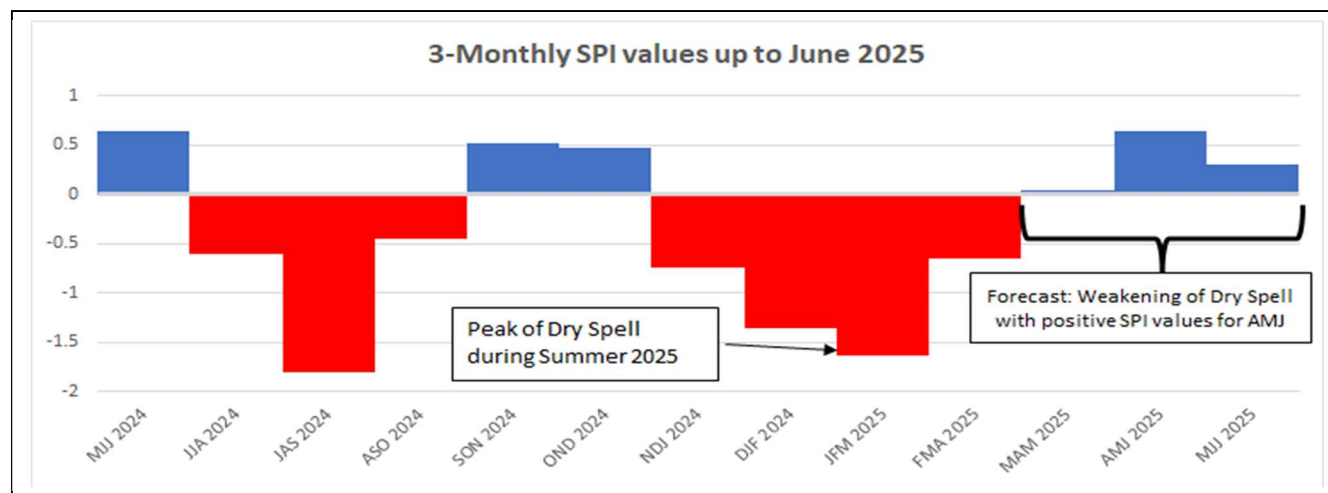
Standardized Precipitation Index (SPI) Monitoring in Mauritius

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

Current Status: Dry spell which peaked in **JFM-25** has weakened gradually as shown in Fig (b). Forecast SPI values for **MAM-25**, **AMJ-25** and **MJJ-25** indicate **near normal conditions** may prevail with SPI values as follows: **+0.04**, **+0.64** and **+0.30** respectively.



(a) Historical SPI-3 values since 1950



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

Observed SPI Status 2024		
Period	SPI-3 Value	Category
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
FMA-25	-0.65	Weakly Dry
Forecast SPI based on Monthly RR Data		
MAM-25	+0.04	Near Normal
AMJ-25	+0.64	Weakly Wet
MJJ-25	+0.30	Near Normal

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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Updated on: 12 May 2025