



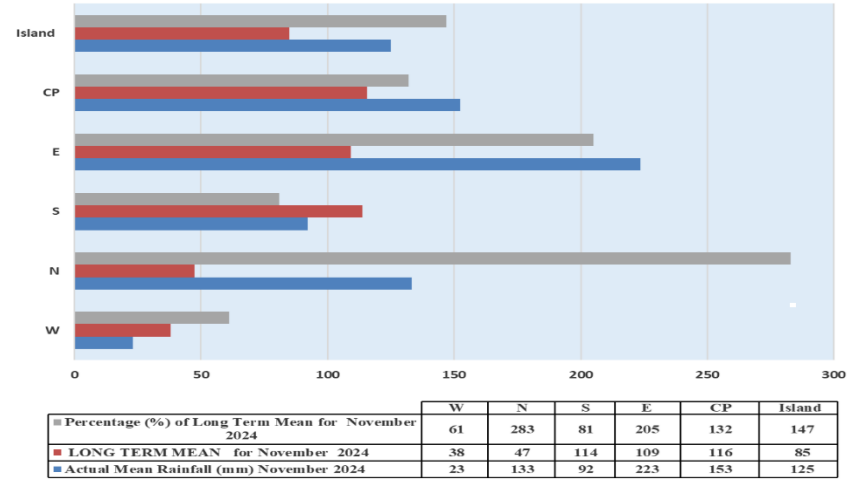
MAURITIUS METEOROLOGICAL SERVICES

Mean Rainfall for 1-30 November 2024 updated on 16 December 2024

Mauritius

The month of November 2024 turned out to be very wet. It was ranked as the seventh wettest November since the last 30 year, with a mean rainfall of 125 mm, representing 147% of the long-term mean.

The East recorded both the highest rainfall amount of 223 mm, whereas the North had the highest percentage of 283%.



Outer Islands

		Amount (mm)		
Stations		Actual Rainfall	LTM Rainfall	% of LTM
Rodrigues	Pointe Canon	95	49	194
	Plaine Corail	85	50	168
	Citronelle	154	89	170
Agalega		68	110	62
St Brandon*		-	-	-

- Very wet conditions prevailed over Rodrigues, whereas well below normal rainfall was recorded over Agalega

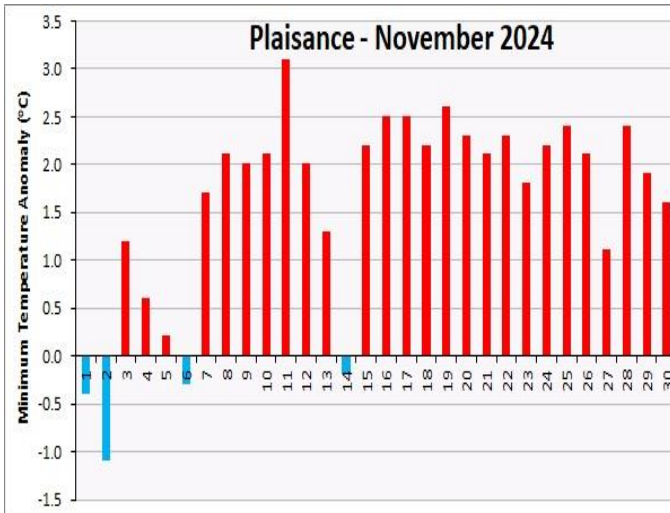
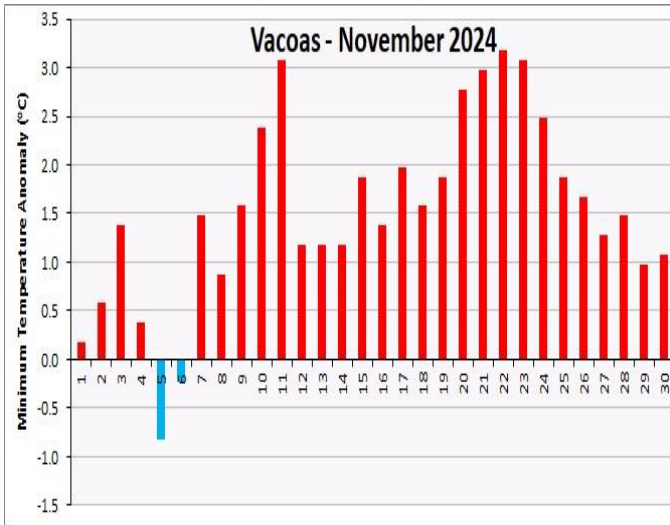
* The St. Brandon Meteorological Station is currently closed



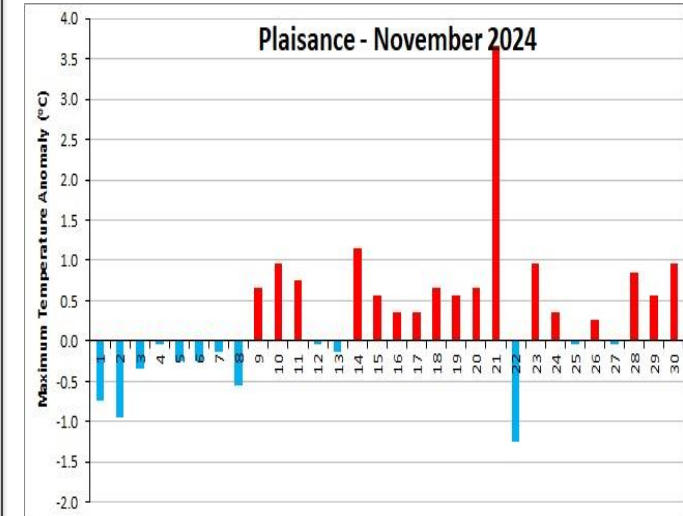
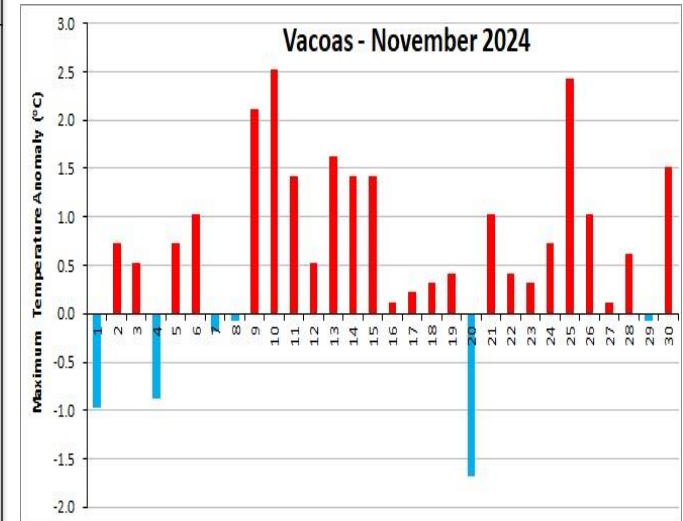
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Temperature for November 2024

Minimum Temperature



Maximum Temperature



Temperature

Minimum temperature was on average 1.5 °C and 1.6 °C warmer than the normal at Vacoas and Plaisance respectively.

Maximum temperature was on average 0.6 °C and 0.3 °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	21.7 °C (22 November)	28.7 °C (10 November)
Lowest	17.7 °C (05 November)	24.5 °C (20 November)
Plaisance		
	Min	Max
Highest	24.3 °C (11 November)	31.9 °C (21 November)
Lowest	20.1 °C (02 November)	27.0 °C (22 November)

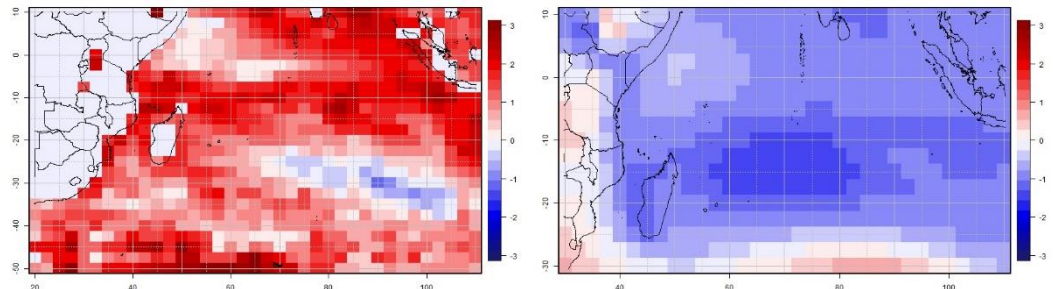


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Rainfall and Temperature Forecast for Dec-Jan-Feb (DJF) 2024-2025

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.



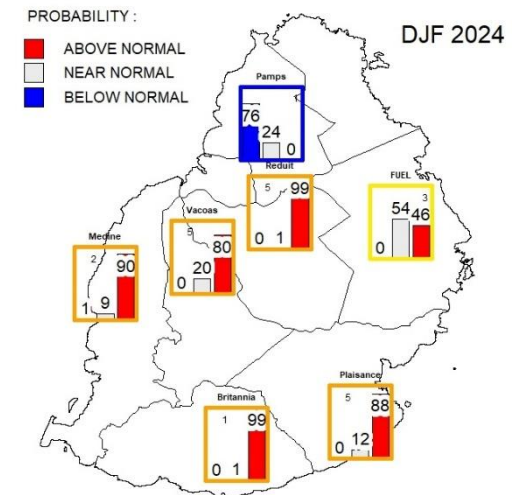
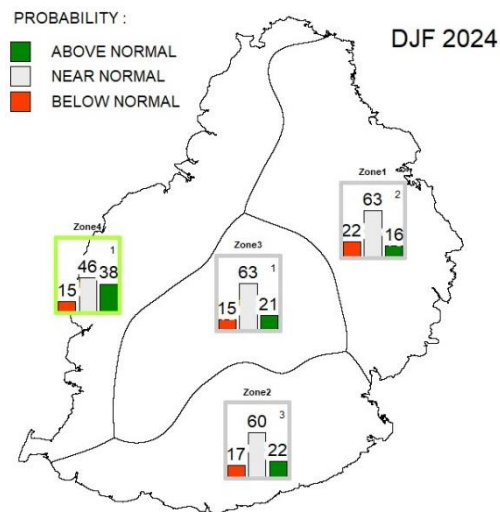
(a) Sea surface temperature (sst) anomaly and (b) pressure anomaly charts for DJF

Consensus rainfall forecast for Mauritius

The cumulative rainfall for December 2024 to February 2025 is expected to be **near normal** as follows:

- **December:** Slightly Below Normal (about 130 mm)
- **January:** Normal (about 280 mm)
- **February:** Normal (about 320 mm)

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



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

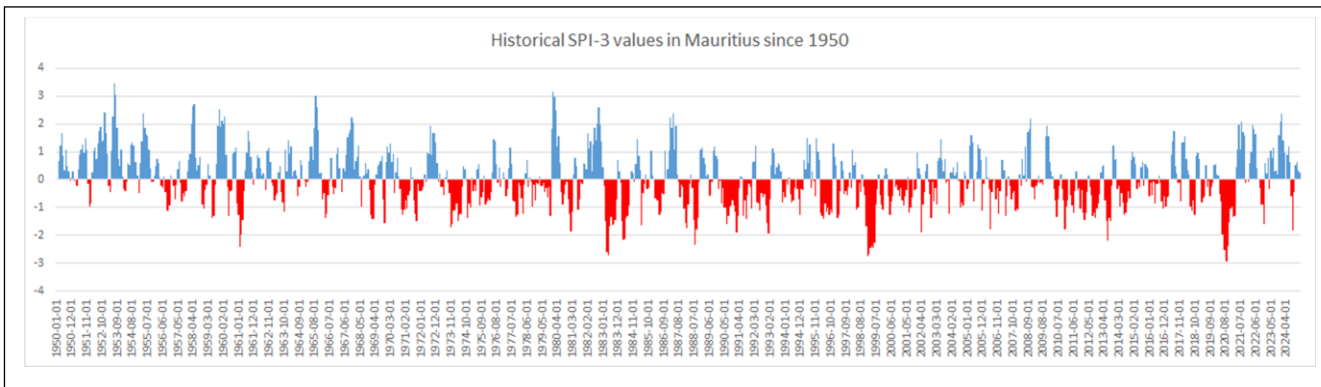


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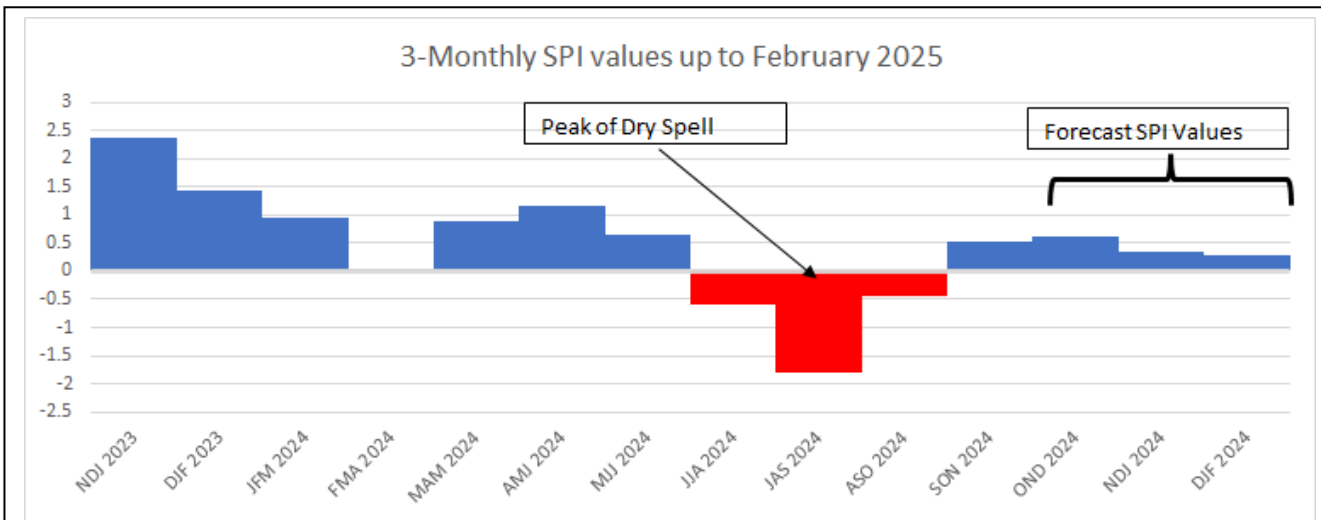
Standardized Precipitation Index (SPI) Monitoring in Mauritius

Aim: To apply the Standardized Precipitation Index (SPI) as approved by the World Meteorological Organization in the Republic of Mauritius to monitor rainfall deficits during dry spell events.

Current Status: The dry spell which started in JJA has decreased in SON as shown in Fig (b). The forecast SPI values for **OND, NDJ and DJF 2024** indicates that SPI-3 values will be **near normal** as follows: **+0.63, +0.34 and +0.27** respectively.



(a) Historical SPI-3 values since 1950



(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
Forecast SPI based on Monthly RR Data		
OND	+0.63	Near Normal
NDJ	+0.34	Near Normal
DJF	+0.27	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: 16 December 2024