



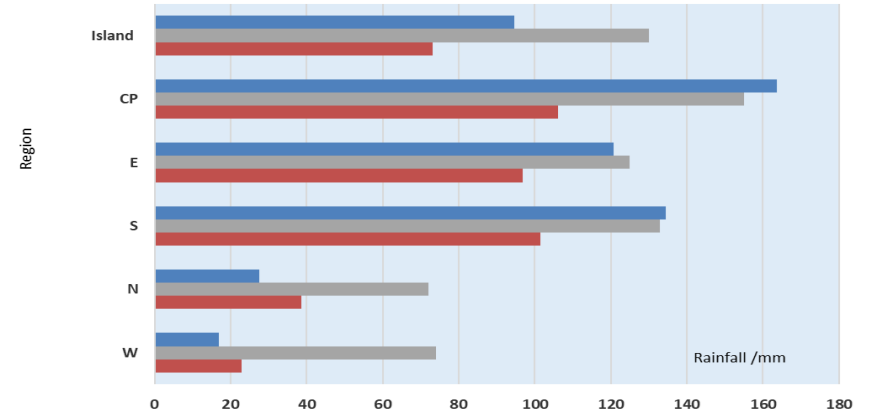
MAURITIUS METEOROLOGICAL SERVICES

Mean Rainfall for 1-31 October 2024 updated on 11 November 2024

Mauritius

Well above normal rainfall was recorded over Mauritius for the month of October 2024, with a mean rainfall of 95 mm, representing 130% of the long-term mean.

The Central Plateau recorded both the highest rainfall amount and highest percentage. However, the North and the West recorded below normal rainfall.



Outer Islands

	W	N	S	E	CP	Island
Actual Mean Rainfall (mm) October 2024	17	28	134	121	164	95
Percentage (%) of Long Term Mean for October 2024	74	72	133	125	155	130
LONG TERM MEAN for October 2024	23	39	101	97	106	73

		Amount (mm)		
Stations		Actual Rainfall	LTM Rainfall	% of LTM
Rodrigues	Pointe Canon	95	51	186
	Plaine Corail	40	45	89
	Citronelle	205	94	218
Agalega		95	95	100
St Brandon*		-	-	-

- In Rodrigues

Wet conditions prevailed over Pointe Canon and Citronelle. However, slightly below normal rainfall was recorded over Plaine Corail.

- Near Normal rainfall was observed for Agalega

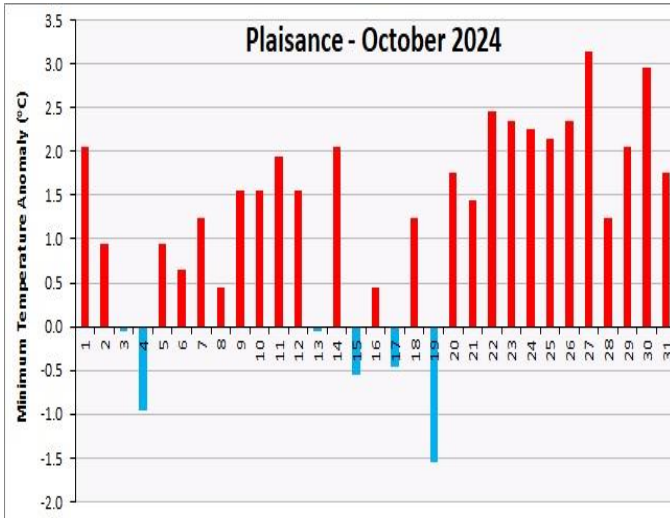
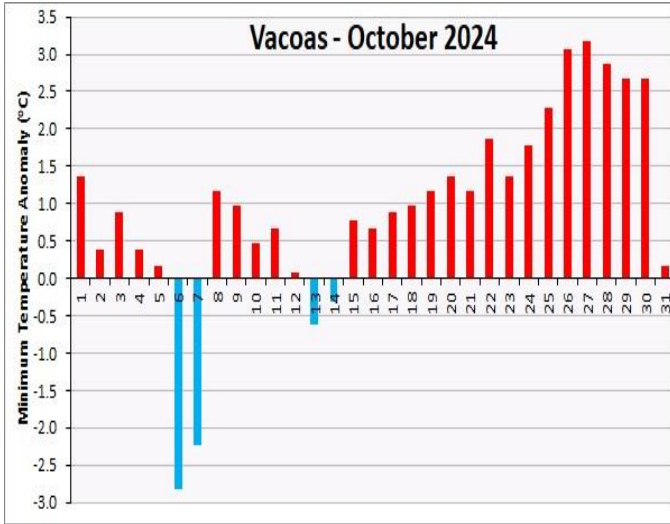
* The St. Brandon Meteorological Station is currently closed



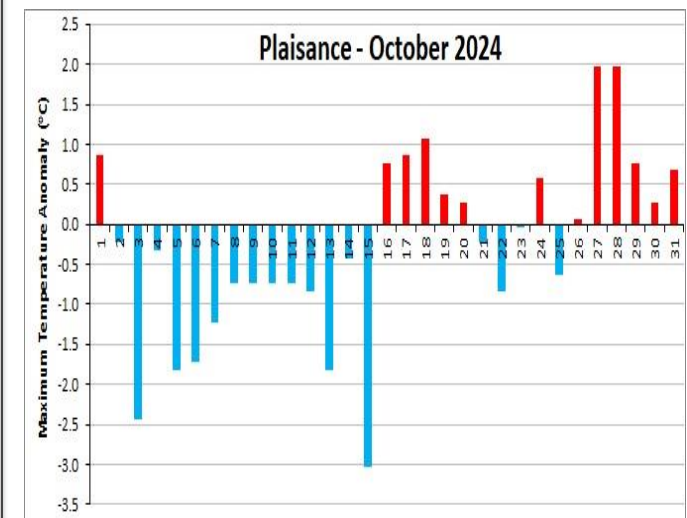
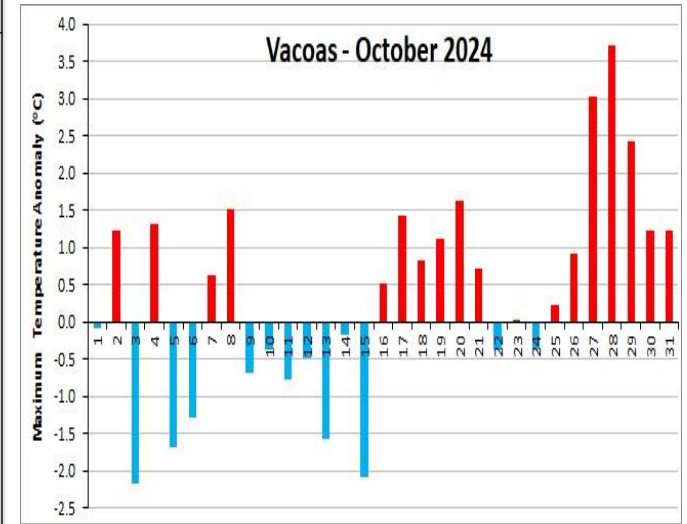
MAURITIUS METEOROLOGICAL SERVICES

Temperature for October 2024

Minimum Temperature



Maximum Temperature



Temperature

Minimum temperature was on average 1.0 °C and 1.3 °C warmer than the normal at Vacoas and Plaisance respectively.

Maximum temperature was on average 0.9 °C and 0.6 °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	20.4 °C (27 October)	28.2 °C (28 October)
Lowest	14.4 °C (06 October)	22.3 °C (03 October)
Plaisance		
	Min	Max
Highest	23.2 °C (27 October)	28.8 °C (27 & 28 October)
Lowest	18.5 °C (19 October)	23.8 °C (15 October)

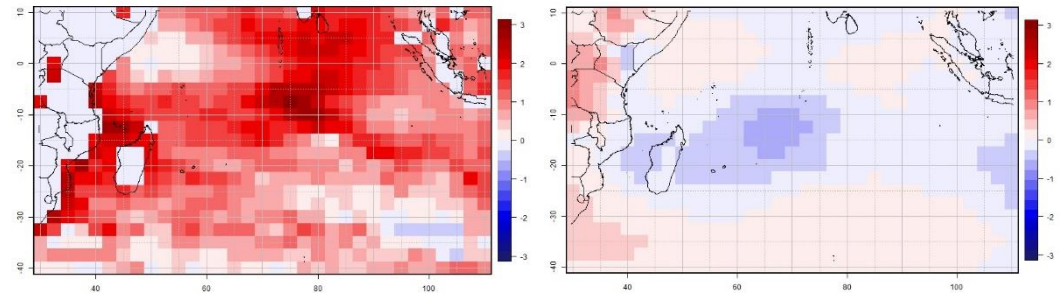


MAURITIUS METEOROLOGICAL SERVICES

Rainfall and Temperature Forecast for Nov-Dec-Jan (NDJ) 2024

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.



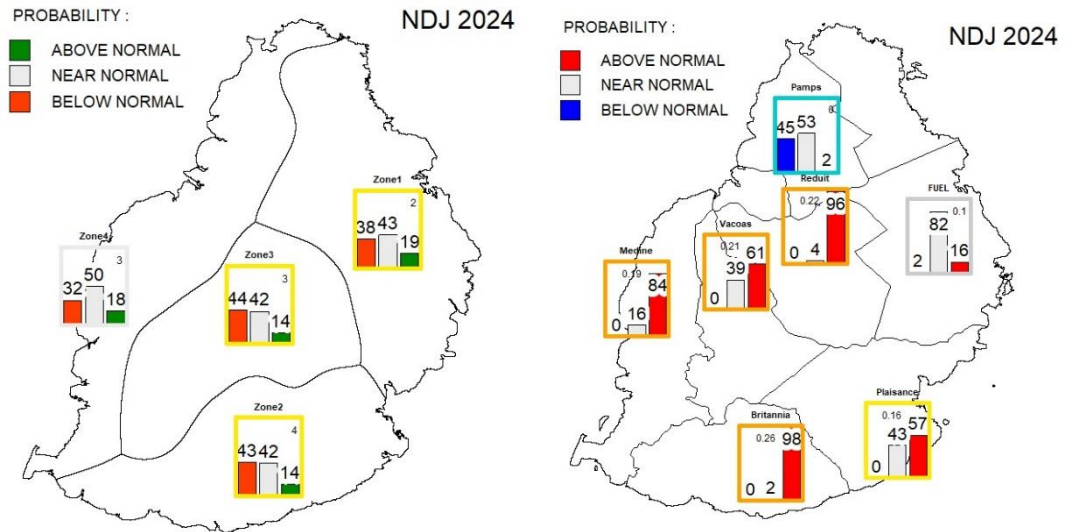
(a) Sea surface temperature (sst) anomaly and (b) pressure anomaly charts for NDJ

Consensus rainfall forecast for Mauritius

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

- **November:** Slightly Below Normal (about 70 mm)
- **December:** Slightly Below Normal (about 140 mm)
- **January:** Normal (about 280 mm)

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



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

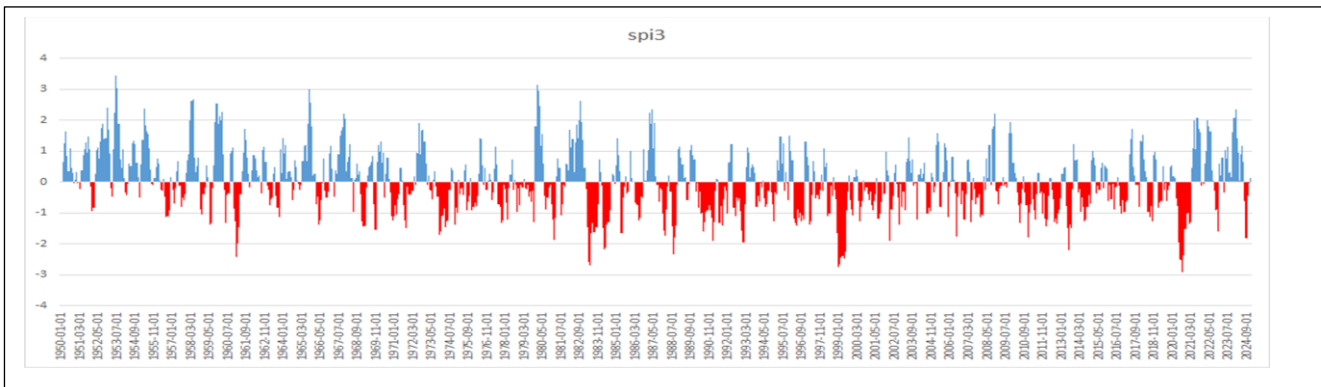


MAURITIUS METEOROLOGICAL SERVICES

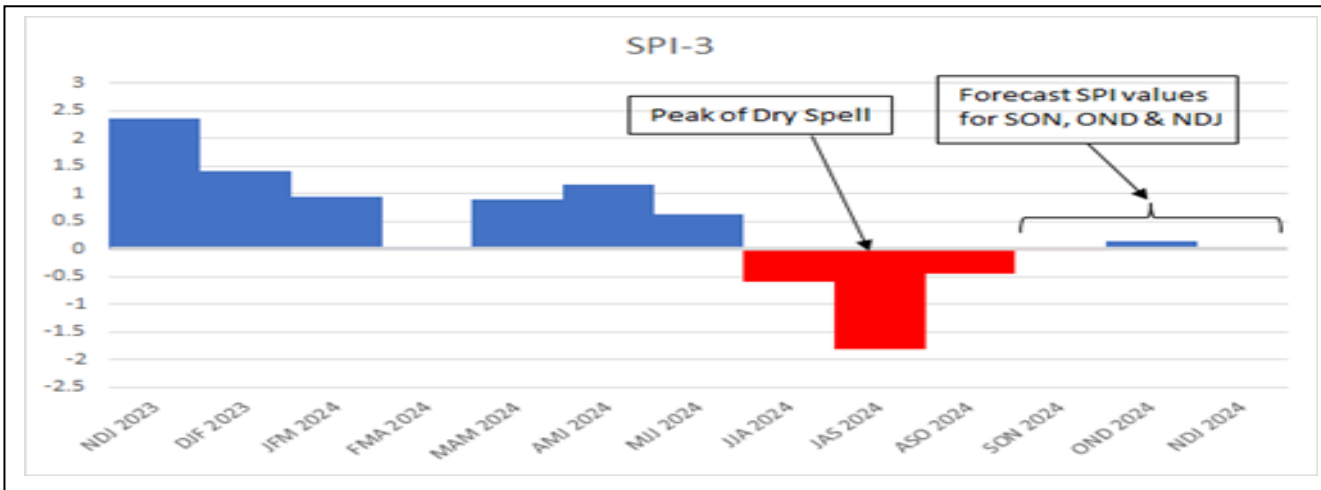
Standardized Precipitation Index (SPI) Monitoring in Mauritius

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, peaked in JAS with an SPI value of **-1.81**. The forecast SPI values for SON, OND & NDJ 2024 indicates that SPI values will be near normal and are as follows: **-0.04**, **+0.13** and **+0.01** 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
Forecast SPI based on Monthly RR Data		
SON	-0.04	Near Normal
OND	+0.13	Near Normal
NDJ	+0.01	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

The right of publication in print, electronic and any other form is reserved by the Meteorological Services. Any part of this document may be reproduced provided complete source is acknowledged or after authorization from:

Acting Director, Meteorological Services,
St Paul Road, Vacoas.

Tel: 6861031/32, Fax: 6861033, email: meteo@intnet.mu

Updated on: 11 November 2024