



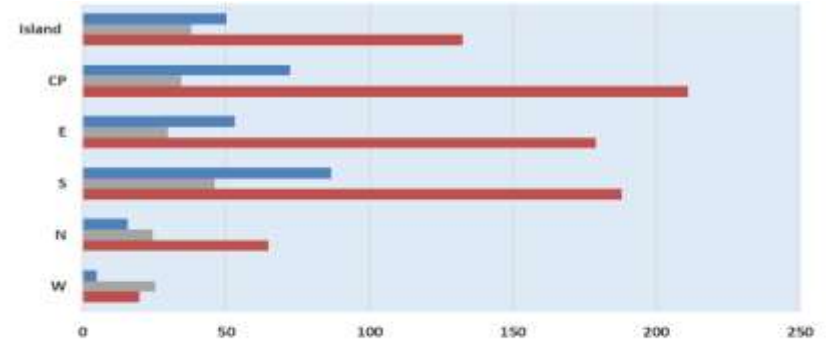
# MAURITIUS METEOROLOGICAL SERVICES

## Mean Rainfall for 1-31 July 2024 updated on 12 August 2024

### Mauritius

July 2024 is the driest July on record since 1904 with a mean rainfall with a mean rainfall of 48 mm representing 36% of the long-term mean.

The Western and Northern regions of Mauritius recorded the lowest mean rainfall for the month.



	W	N	S	E	CP	Island
Actual Mean Rainfall (mm) July 2024	5	16	87	53	72	50
Percentage of LTM for July 2024	25	25	46	30	34	38
LONG TERM MEAN for July 2024	20	65	188	179	211	132

### Outer Islands

Stations		Amount (mm)		
		Actual Rainfall	LTM Rainfall for July	% of LTM
Rodrigues	Pointe Canon	15	86	17
	Plaine Corail	20	65	31
	Citronelle	40	138	29
Agalega		35	102	31
St. Brandon		<i>Station is temporarily closed</i>		

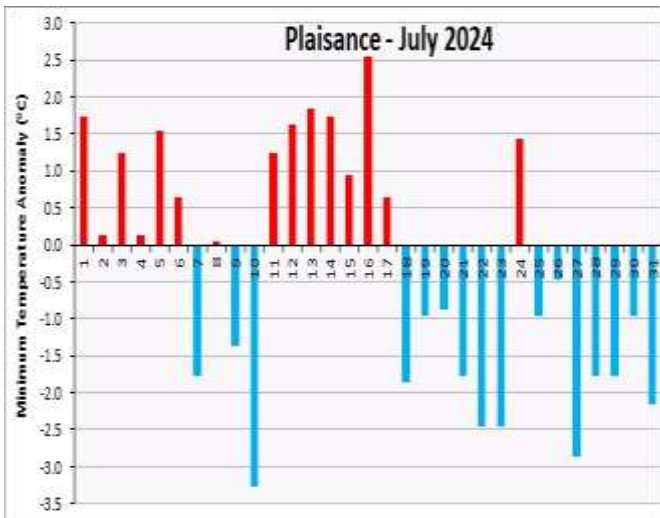
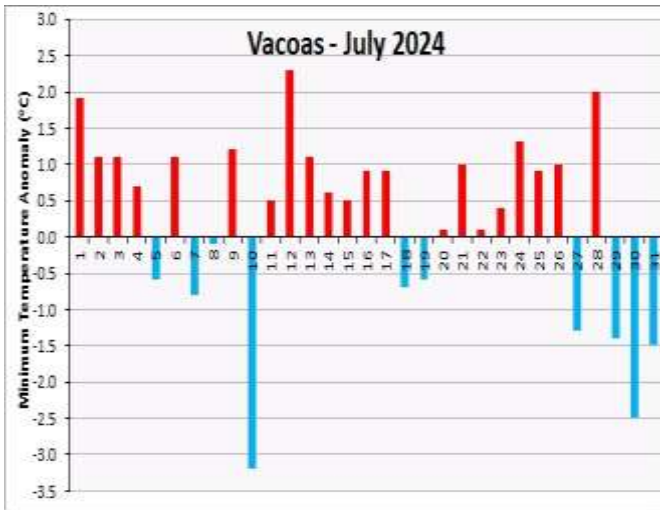
- Dry conditions also prevailed over Rodrigues and Agalega
- For Rodrigues, the rainfall amount at stations ranged from 17 to 31 percent of the long-term mean.
- Agalega recorded 31 percent of the long-term mean



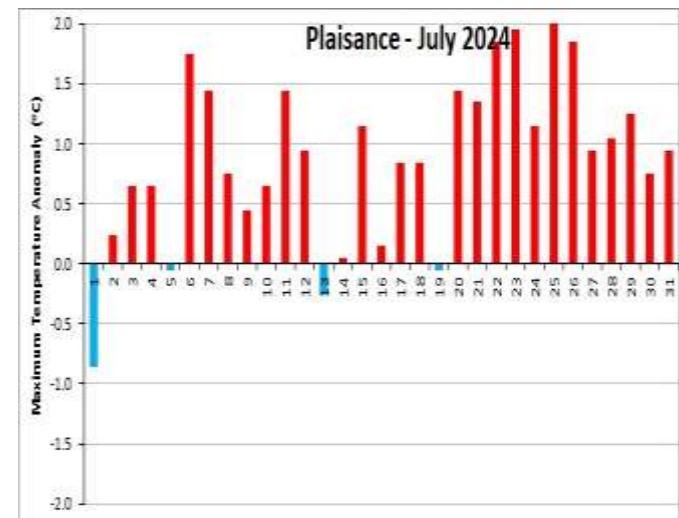
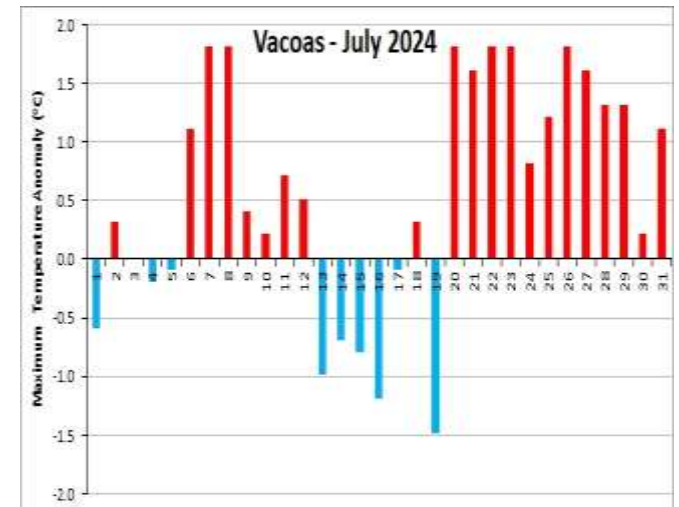
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## Temperature for July 2024

### Minimum Temperature



### Maximum Temperature



### Temperature

July was mainly warm. Minimum temperatures were on average 0.3 °C higher than the normal at Vacoas and -0.3 °C lower than the normal at Plaisance.

Maximum temperatures were on average 0.6 °C and 0.9 °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	18.3 °C (12 July)	24.0 °C (7,8,20,22,23 and 26 July)
Lowest	12.8 °C (10 July)	20.7 °C (19 July)
Plaisance		
	Min	Max
Highest	21.4 °C (16 July)	26.6 °C (25 July)
Lowest	15.6 °C (10 July)	23.7 °C (01 July)

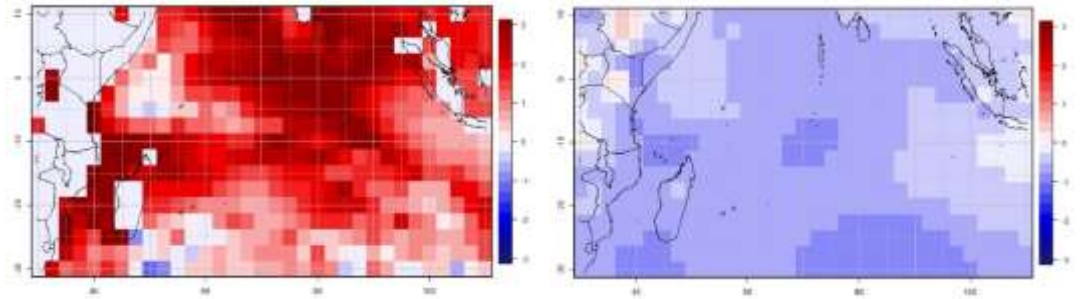


# MAURITIUS METEOROLOGICAL SERVICES

## Rainfall and Temperature Forecast for Aug-Sep-Oct (ASO) 2024

Neutral ENSO, IOD and SIOD conditions are expected to prevail 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.



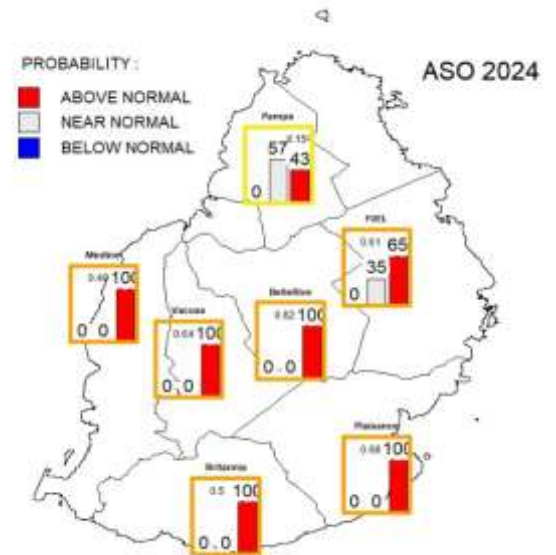
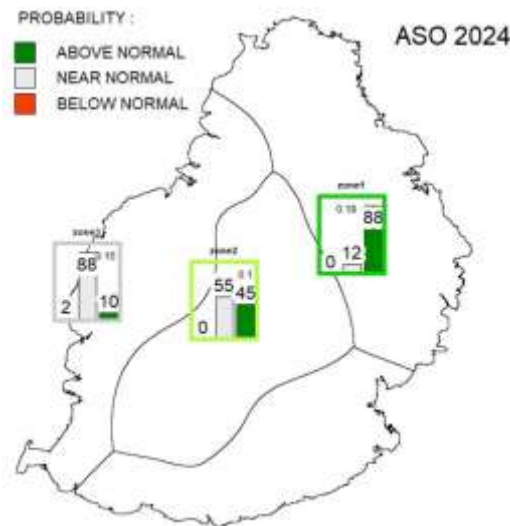
(a) Sea surface temperature (sst) anomaly and (b) pressure anomaly charts for ASO

### Consensus forecast for Mauritius

Though the statistical rainfall forecast is showing **normal tendency**, the cumulative rainfall for August to October 2024 has been revised to be **below normal** as follows:

- **August:** Below Normal (about 65 mm)
- **September:** Below Normal (about 60 mm)
- **October:** Slightly Below Normal (about 60 mm)

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



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

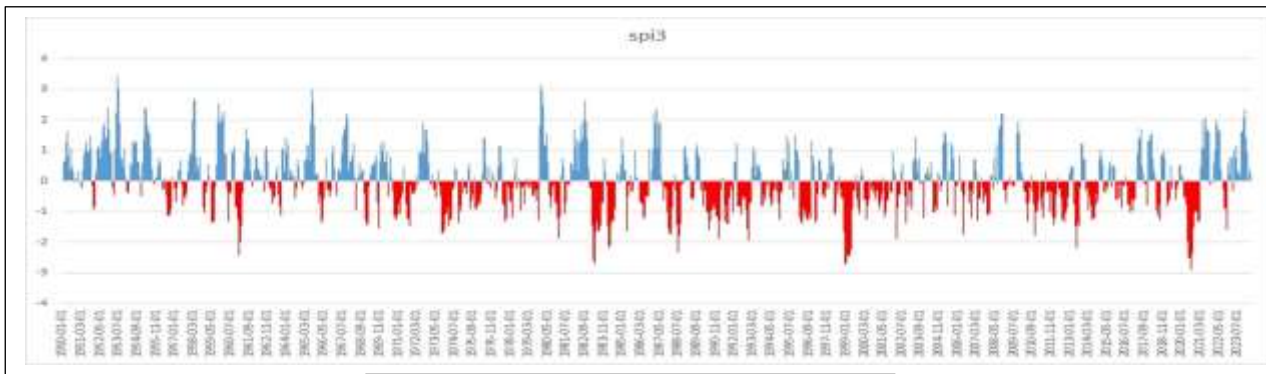


# MAURITIUS METEOROLOGICAL SERVICES

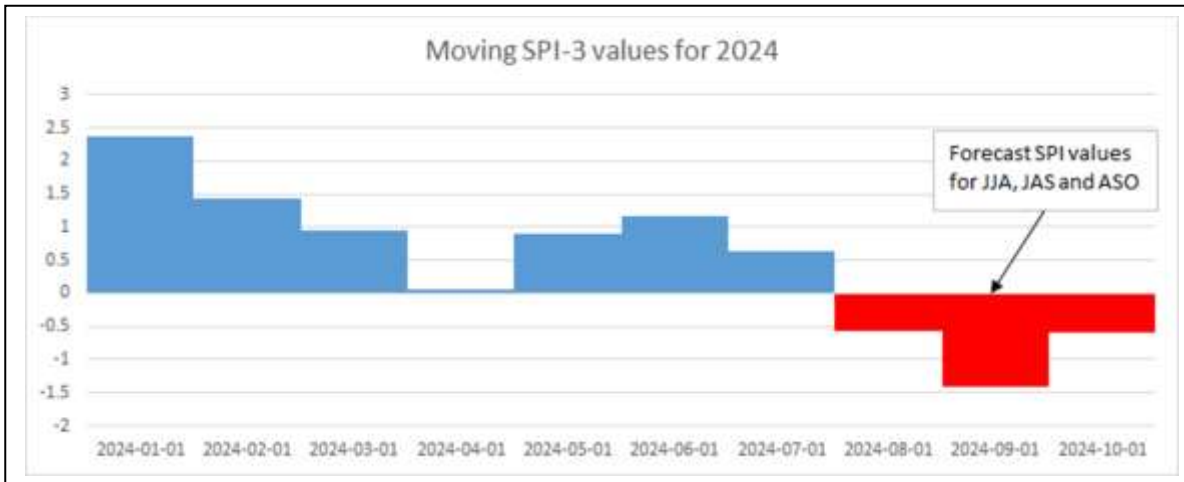
## Standardised Precipitation Index (SPI) Monitoring in Mauritius

**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 periods JJA, JAS and ASO 2024 have forecasted SPI-3 values of **-0.56, -1.41 and -0.59** respectively. The SPI status shows negative tendency (Fig (b)) indicating rainfall deficits peaking in JAS.



(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
Forecast SPI based on Monthly RR Data		
JJA	-0.56	Near Normal
JAS	-1.41	Moderately Dry
ASO	-0.59	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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