

Seasonal Climate Outlook



AMJ 2022 Seasonal Forecast





SEYCHELLES METEOROLOGICAL AUTHORITY
April-May-June (AMJ) 2022 Seasonal Climate Outlook



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1. January-February-March (JFM) 2022 Performance

Table 1 below shows that the rainfall recorded during the January-February-March (JFM) 2022 season was mostly Near-Normal over most areas, with only Anse Forbans that recorded Above-Normal rainfall and 2 stations (La Gogue Waterwork (PUC) and Praslin Airstrip) recorded Below-Normal rainfall.

Table 1: January-February-March (JFM) 2022 Performance

Stations	JFM	Long Term Mean	BN	AN	BN?	AN?	Anomalies
Anse-Boileau	639.9	662.9	497.156	828.593	NO	NO	-23.0
Anse-Forbans	958.4	598.7	449.058	748.43	NO	YES	359.7
Anse-Royale-Waterwork-PUC	838.6	697.2	522.91	871.517	NO	NO	141.4
Belombre	921.3	968.6	726.422	1210.7	NO	NO	-47.3
Cascade-Waterwork-PUC	817.5	961.6	721.228	1202.05	NO	NO	-144.1
Fairview-La-Misere	1034.5	1067.5	800.634	1334.39	NO	NO	-33.0
Hermitage-Waterwork-PUC	978.6	1028.3	771.244	1285.41	NO	NO	-49.7
La-Gogue-Waterwork-PUC	608.9	830.7	623.011	1038.35	YES	NO	-221.8
Le-Niol-Waterwork-PUC	1028.6	1069.8	802.329	1337.22	NO	NO	-41.2
Praslin-Airstrip	286.9	607.3	455.451	759.084	YES	NO	-320.4
Quatre-Bornes-Police-Station	631.8	526.2	394.62	657.701	NO	NO	105.6
Rochon-Waterwork-PUC	1216.8	1147.7	860.773	1434.62	NO	NO	69.1
Seychelles-International-Airport	703.5	841.4	631.019	1051.7	NO	NO	-137.9
Tea-Factory-Morne-Blanc	1081.2	930.8	698.08	1163.47	NO	NO	150.4

February-March-April (FMA) 2022 Performance

Table 2 below shows how the February-March-April (FMA) 2022 season is performing so far, two months into the season. All the 14 stations considered for seasonal forecasting indicate drier than average conditions with some strong negative anomalies.

Table 2.: February-March-April (FMA) 2022 Performance

STATIONS	FEB TOTAL	MAR TOTAL	FEB+MAR	FMA LONG TERM MEAN	ANOMALIES
Anse-Boileau	65.5	84.2	149.7	512.4	-362.7
Anse-Forbans	109.7	91.8	201.5	462.1	-260.6
Anse-Royale-Waterwork-PUC	70	104.2	174.2	527.6	-353.4
Belombre	55	182.8	237.8	680.9	-443.1
Cascade-Waterwork-PUC	114	184.7	298.7	703.3	-404.6
Fairview-La-Misere	118.3	212.5	330.8	789.0	-458.2
Hermitage-Waterwork-PUC	64.2	218.7	282.9	729.4	-446.5
La-Gogue-Waterwork-PUC	54.9	87	141.9	563.8	-421.9
Le-Niol-Waterwork-PUC	74.5	253.1	327.6	768.5	-440.9
Praslin-Airstrip	24.6	25.7	50.3	450.5	-400.2
Quatre-Bornes-Police-Station	36.8	96.8	133.6	382.3	-248.7
Rochon-Waterwork-PUC	113.2	233.9	347.1	818.8	-471.7
Seychelles-International-Airport	132.3	124.1	256.4	623.3	-366.9
Tea-Factory-Morne-Blanc	84.5	274	358.5	674.9	-316.4

2. Oceanic Patterns 2022

Atmospheric and most oceanic indicators of ENSO persist at La Niña levels with some weakening over the recent weeks. Sea surface temperatures remain cooler than average along the equator. Surface waters have cooled slightly in the eastern half of the equatorial Pacific compared to the past two weeks. Trade winds remain stronger than average in the western Pacific.

Weekly sea surface temperature anomalies (Figure 1) indicate warming over the western half of the Indian Ocean with warming signals reducing with the monthly sea surface temperature anomalies. However, some warmer than average water is evident over South-eastern side of the Indian Ocean basin.

The seasonal sea surface temperature anomalies indicate strong warming signals over the eastern half of Indian Ocean basin. The Indian Ocean Dipole (IOD) is currently neutral. The latest IOD index value for the week ending 10 April 2022 was -0.04 °C. However, most climate model outlooks indicate the possibility of negative IOD development in May. (Figure 2).

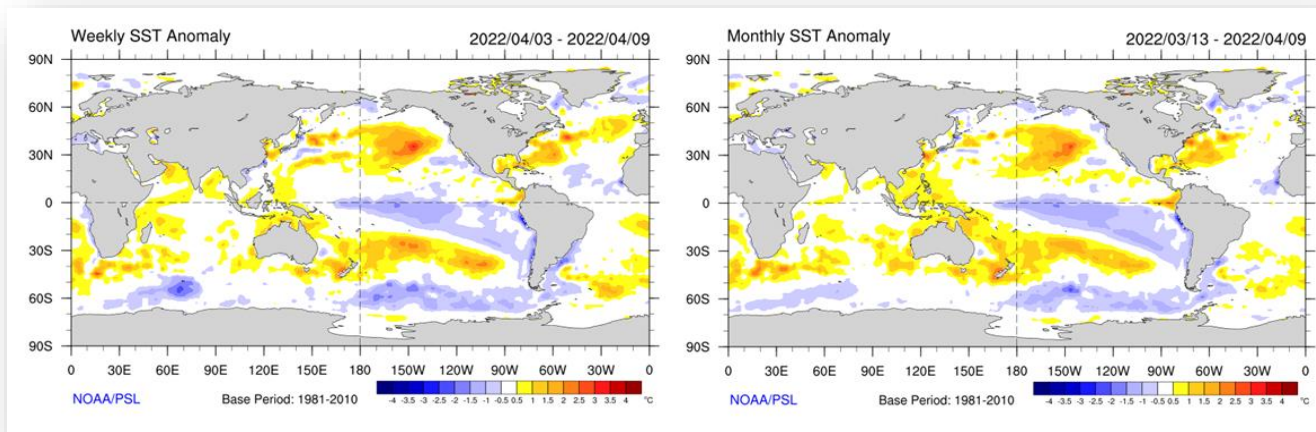


Figure 1: Current weekly SST Anomalies (Left) and Current monthly SST Anomalies (Right)

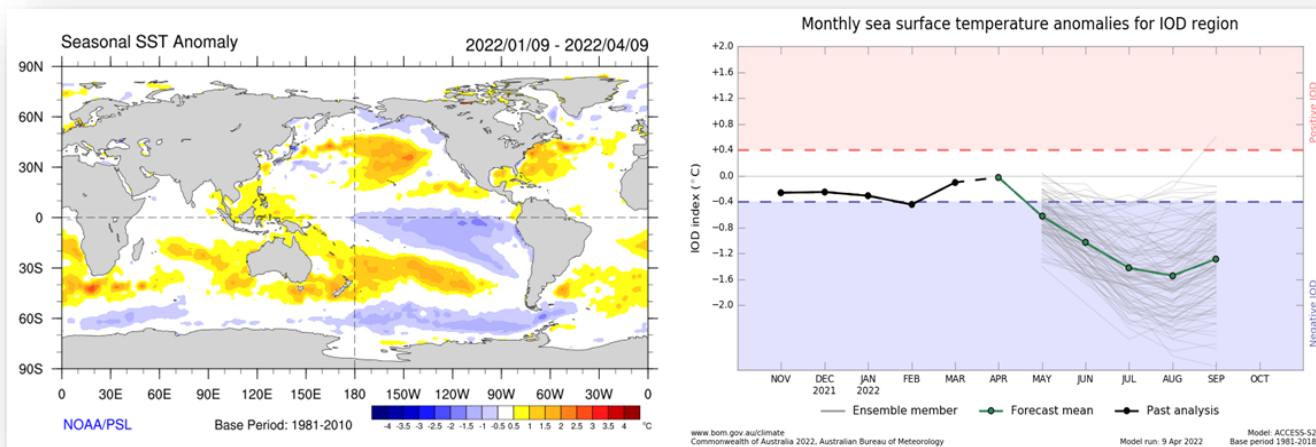


Figure 2: Current Seasonal SST Anomalies (Left) and The Indian Ocean Dipole index (Right)



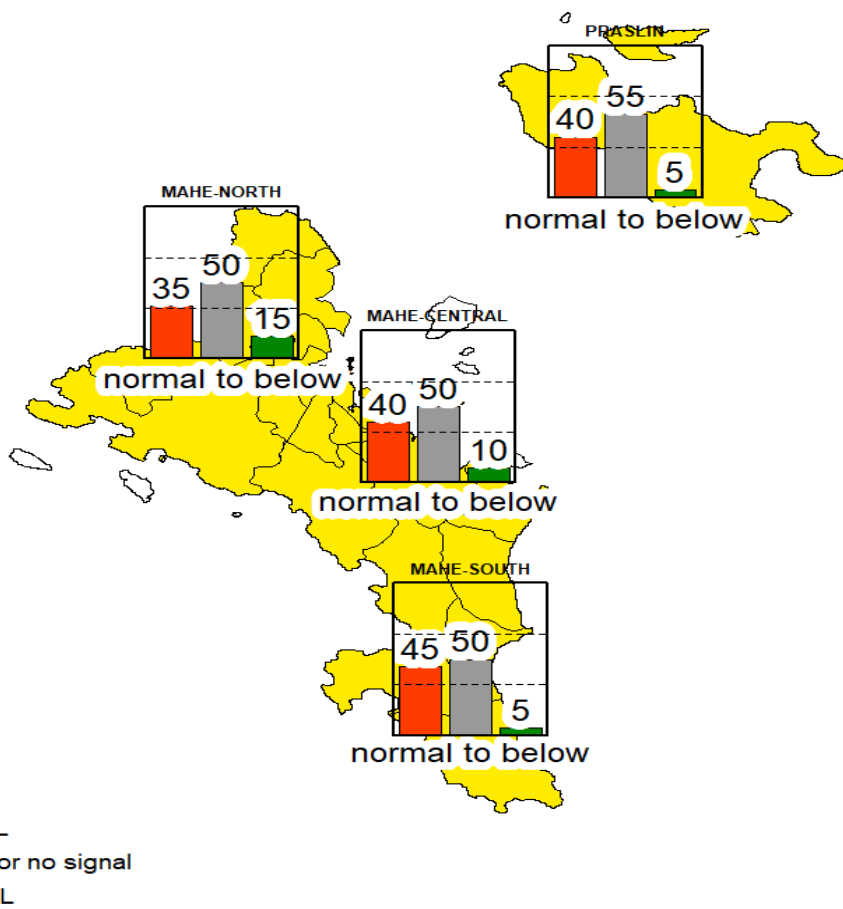
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3. April-May-June Rainfall Seasonal Forecast 2022

Rainfall Seasonal forecast - AMJ 2022



Based on the prevailing conditions over the South-west Indian Ocean, the probability-based rainfall outlook for April-May-June season indicates an enhanced likelihood for Near-Normal Rainfall with a strong bias towards Below-Normal over Mahe and Inner Islands.