

Seasonal Climate Outlook



MJJ 2022 Weather Review





SEYCHELLES METEOROLOGICAL AUTHORITY

May-June-July (MJJ) 2022 Seasonal Climate Outlook



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1. February-March-April (FMA) 2022 Performance

Table 1 below shows that the rainfall recorded during the February-March-April (FMA) 2022 season was strongly below-Normal over all areas.

Table 1: 1. February-March-April (FMA) 2022 Performance

Stations	FMA	Long Term Mean	BN	AN	BN?	AN?	Anomalies
Anse-Boileau	290.2	512.4	384.3	640.5	YES	NO	-222.2
Anse-Forbans	334.5	462.1	346.6	577.7	YES	NO	-127.6
Anse-Royale-Waterwork-PUC	358.6	527.6	395.7	659.6	YES	NO	-169.0
Belombre	377.6	680.9	510.7	851.1	YES	NO	-303.3
Cascade-Waterwork-PUC	473	703.3	527.5	879.1	YES	NO	-230.3
Fairview-La-Misere	535.9	789.0	591.7	986.2	YES	NO	-253.1
Hermitage-Waterwork-PUC	449.7	729.4	547.1	911.8	YES	NO	-279.7
La-Gogue-Waterwork-PUC	239.9	563.8	422.9	704.8	YES	NO	-323.9
Le-Niol-Waterwork-PUC	469.2	768.5	576.3	960.6	YES	NO	-299.3
Praslin-Airstrip	179.8	450.5	337.9	563.1	YES	NO	-270.7
Quatre-Bornes-Police-Station	220.5	382.3	286.7	477.8	YES	NO	-161.8
Rochon-Waterwork-PUC	516.7	818.8	614.1	1023.5	YES	NO	-302.1
Seychelles-International-Airport	412	623.3	467.5	779.1	YES	NO	-211.3
Tea-Factory-Morne-Blanc	471.4	674.9	506.1	843.6	YES	NO	-203.5

2. March-April-May (MAM) 2022 Performance

Table 2 below shows how the March-April-May (MAM) 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: 2. March-April-May (MAM) 2022 Performance

STATIONS	MAR TOTAL	APR TOTAL	MAR+APR	MAM LONG TERM MEAN	ANOMALIES
Anse-Boileau	84.2	140.5	224.7	540.2	-399.7
Anse-Forbans	91.8	133	224.8	460.5	-327.5
Anse-Royale-Waterwork-PUC	104.2	184.4	288.6	545.7	-361.3
Belombre	182.8	139.8	322.6	633.2	-493.4
Cascade-Waterwork-PUC	184.7	174.3	359	642.6	-468.3
Fairview-La-Misere	212.5	205.1	417.6	727.3	-522.2
Hermitage-Waterwork-PUC	218.7	166.8	385.5	622.5	-455.7
La-Gogue-Waterwork-PUC	87	98	185	484.7	-386.7
Le-Niol-Waterwork-PUC	253.1	141.6	394.7	705.2	-563.6
Praslin-Airstrip	25.7	129.5	155.2	429.6	-300.1
Quatre-Bornes-Police-Station	96.8	86.9	183.7	381.1	-294.2
Rochon-Waterwork-PUC	233.9	169.6	403.5	711.9	-542.3
Seychelles-International-Airport	124.1	155.6	279.7	546.7	-391.1
Tea-Factory-Morne-Blanc	274	112.9	386.9	631.2	-518.3

3. Oceanic Patterns 2022

Atmospheric and most oceanic indicators of ENSO persist at La Niña levels with change in strength in the past few weeks. Surface waters are warmer than average over most of the Indian Ocean for the week ending 8 May 2022.

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 signals are evident in the mid-latitudes.

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 8 May 2022 was +0.13 °C. However, most climate model outlooks indicate the possibility of negative IOD development by late May. (Figure 2).

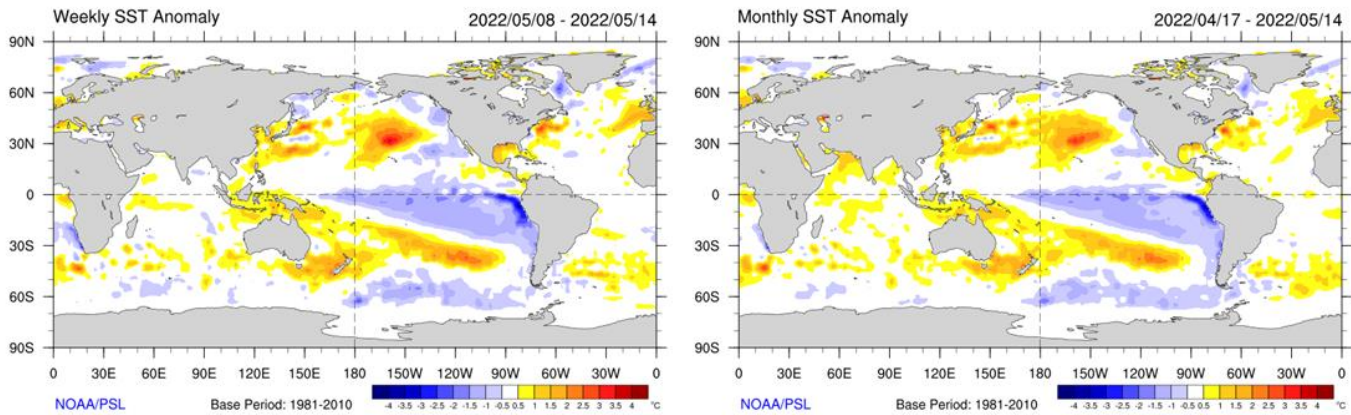


Figure 1: Current weekly SST Anomalies (Left) and Current monthly SST Anomalies (Right)

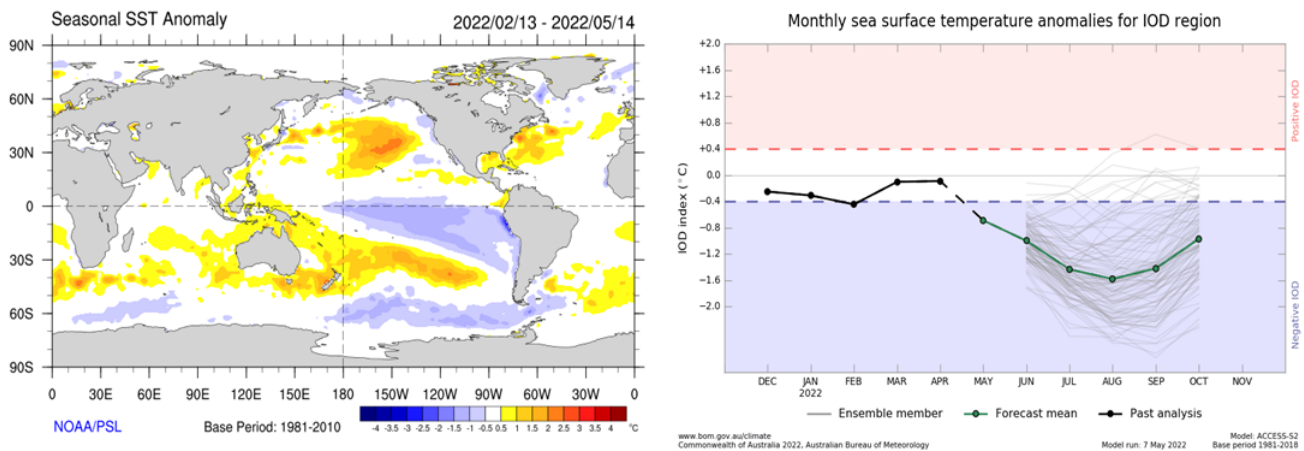
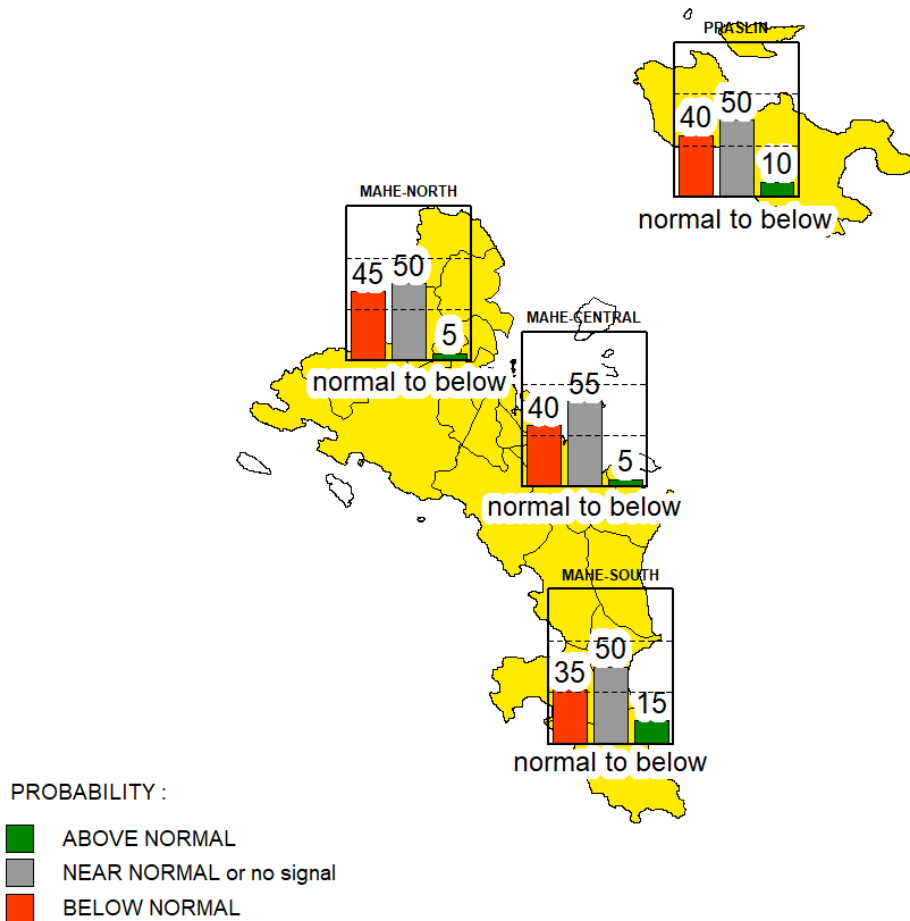


Figure 2: Current Seasonal SST Anomalies (Left) and The Indian Ocean Dipole index (Right)

4. May-June-July Rainfall Seasonal Forecast 2022

Rainfall Seasonal forecast - MJJ 2022



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