

Seasonal Climate Outlook



ASO 2022 SEASONAL OUTLOOK





SEYCHELLES METEOROLOGICAL AUTHORITY
August-September-October (ASO) 2022 Seasonal Climate



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1. May-June-July (MJJ) 2022 Performance

Table 1 below shows that the rainfall recorded during the May-June-July (MJJ) 2022 season was Near-Normal to Above over Mahe, Praslin and La Digue. 4 out of the 14 stations recorded Above-Normal rainfall while the remaining stations recorded Normal rainfall amount for this period of the year.

Table 1: May-June-July (MJJ) 2022 Performance

	MJJ TOTAL	MJJ LONG TERM MEAN	BN	AN	BN?	AN?	ANOMALIES
Anse-Boileau	509	401.2	300.9	501.5	NO	YES	107.8
Anse-Forbans	342.7	328.0	246.0	410.0	NO	NO	14.7
Anse-Royale-Waterwork-PUC	452.7	388.1	291.1	485.1	NO	NO	64.6
Belombre	664.6	547.0	410.2	683.7	NO	NO	117.6
Cascade-Waterwork-PUC	607.4	470.6	353.0	588.3	NO	YES	136.8
Fairview-La-Misere	609.5	546.7	410.0	683.4	NO	NO	62.8
Hermitage-Waterwork-PUC	586.1	411.0	308.3	513.8	NO	YES	175.1
La-Gogue-Waterwork-PUC	287.5	295.9	221.9	369.8	NO	NO	-8.4
Le-Niol-Waterwork-PUC	728.7	596.4	447.3	745.5	NO	NO	132.3
Praslin-Airstrip	321.2	291.3	218.4	364.1	NO	NO	29.9
Quatre-Bornes-Police-Station	301.7	304.4	228.3	380.5	NO	NO	-2.7
Rochon-Waterwork-PUC	589.5	516.6	387.5	645.8	NO	NO	72.9
Seychelles-International-Airport	463.5	359.2	269.4	449.0	NO	YES	104.3
Tea-Factory-Morne-Blanc	434.9	460.7	345.5	575.9	NO	NO	-25.8

2. June-July-August (JJA) 2022 Performance

Table 2 below shows how the June-July-August (JJA) 2022 season is performing so far, two months into the season. Out of the 14 stations only Hermitage has a positive anomaly, indicating that rainfall at the station has already exceeded its long term mean rainfall for the June-July-August (JJA) season. Meanwhile the remaining stations remain drier with some significant negative anomalies.

Table 2: 2. June-July-August (JJA) 2022 Performance

	JUN TOTAL	JUL TOTAL	JUN + JUL TOTAL	JJA LONG TERM MEAN	ANOMALIES
Anse-Boileau	187.3	105.8	293.1	336.1	-43.0
Anse-Forbans	146.4	47.6	194.0	273.1	-79.1
Anse-Royale-Waterwork-PUC	153.5	79.5	233.0	315.6	-82.6
Belombre	296.3	171.9	468.2	509.0	-40.8
Cascade-Waterwork-PUC	202.2	138.6	340.8	416.2	-75.4
Fairview-La-Misere	233.1	176.9	410.0	486.1	-76.1
Hermitage-Waterwork-PUC	237.5	113.8	351.3	335.9	15.4
La-Gogue-Waterwork-PUC	77.8	25.8	103.6	240.0	-136.4
Le-Niol-Waterwork-PUC	334.5	185.1	519.6	552.6	-33.0
Praslin-Airstrip	69.9	65.7	135.6	262.6	-127.0
Quatre-Bornes-Police-Station	113.5	59.5	173.0	268.4	-95.4
Rochon-Waterwork-PUC	250.2	127.9	378.1	460.2	-82.1
Seychelles-International-Airport	132.2	77.2	209.4	300.8	-91.4
Tea-Factory-Morne-Blanc	180.1	107.6	287.7	399.9	-112.2

3. Oceanic Patterns 2022

Neutral but cooler than normal sea surface temperatures (SST) persist in the central and eastern tropical Pacific. However, there is an enhanced chance of La Nina reforming later during the year. La Nina conditions usually reduce the amount of rainfall experienced over Seychelles.

Weekly sea surface temperature anomalies (Figure 1) indicate weak negative SST anomaly over most part of the South-West Indian Ocean Basin. The same pattern is also apparent with the monthly SST anomaly. However, on the seasonal time-scale negative SST anomalies are only present just north of Madagascar and along the horn of Africa. Fairly significant positive SST anomalies are present around the maritime continent to the east of the basin on all time-scale.

The latest Indian Ocean Dipole (IOD) Index was -0.8, indicative of an imminent negative IOD event likely to persist through November (Figure 2). Negative IOD event usually reduces rainfall over the Seychelles.

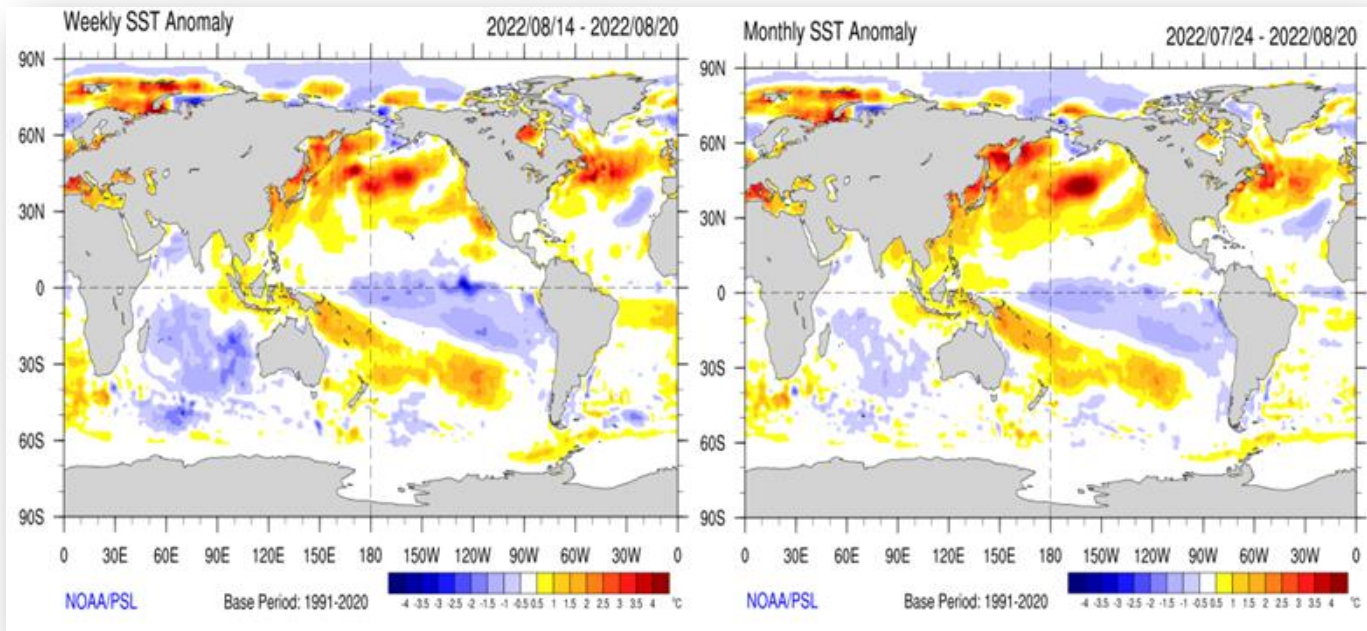


Figure 1: Current weekly SST Anomalies (Left) and Current monthly SST Anomalies (Right)

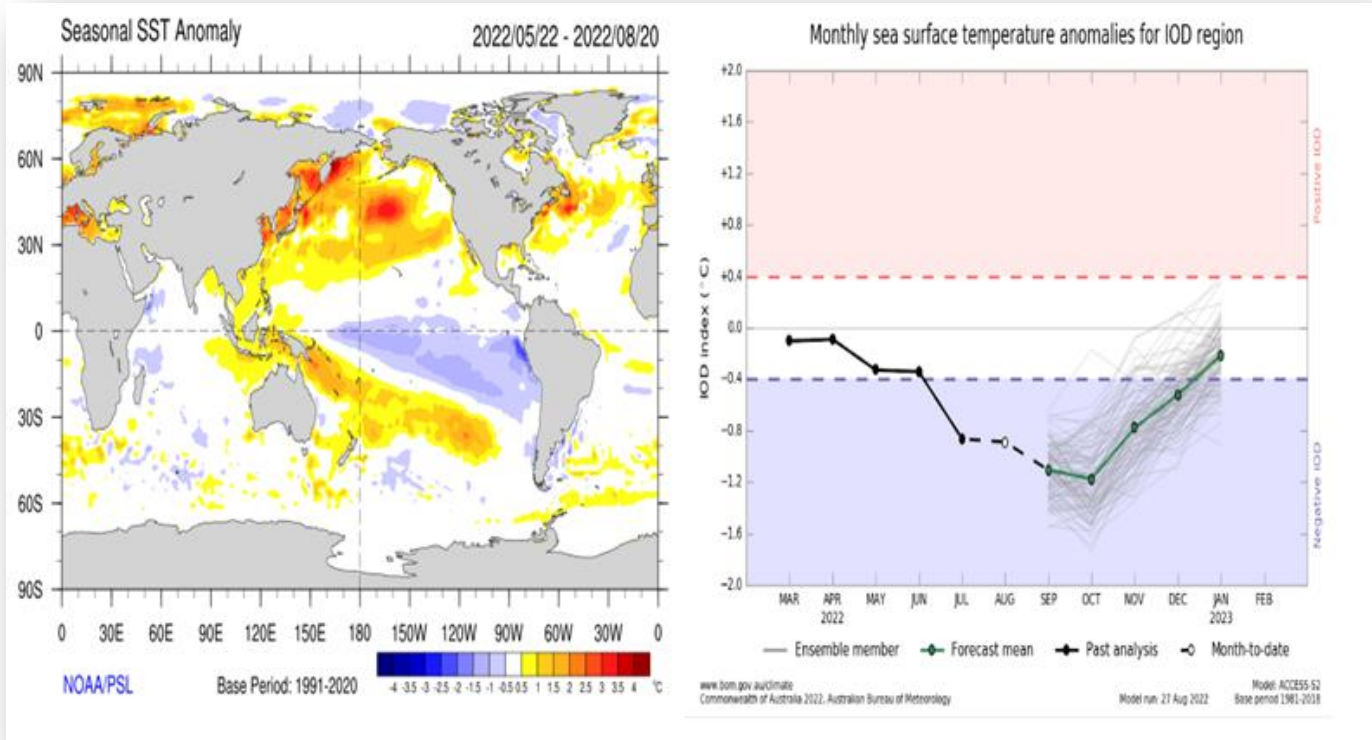
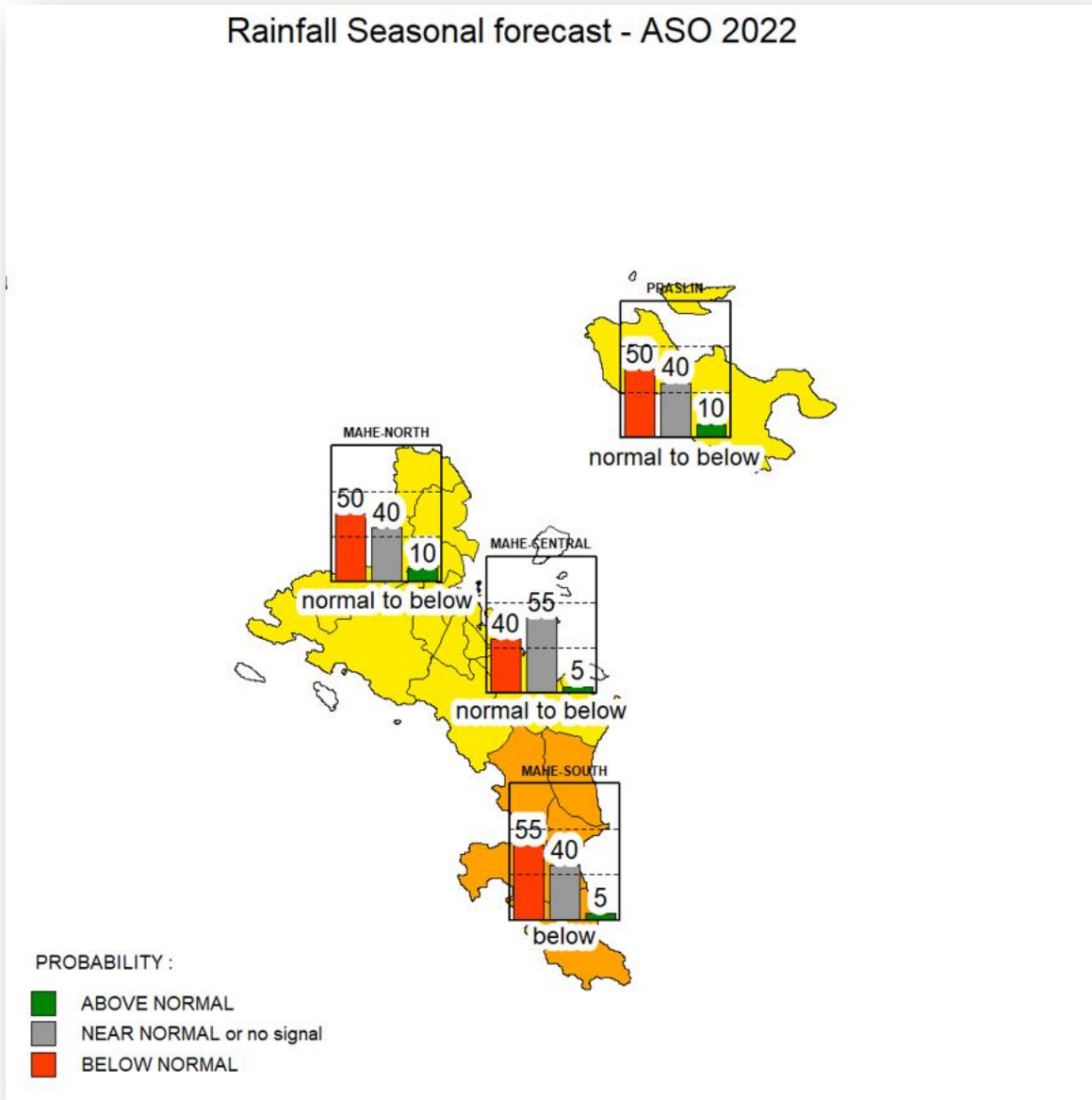


Figure 2: Current Seasonal SST Anomalies (Left) and The Indian Ocean Dipole index (Right)

4. August-September-October Rainfall Seasonal Forecast 2022



Based on the prevailing conditions over the South-west Indian Ocean, the probability-based rainfall outlook for August-September-October season indicates an enhanced likelihood for Normal to Below-Normal Rainfall over Mahe and Inner Islands.