January-February-March 2022
Seasonal Climate Outlook



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SEYCHELLES METEOROLOGICAL AUTHORITY
January-February-March 2022 Seasonal Climate Outlook

1. October-November-December 2021 Performance

Table 1 below shows that the rainfall recorded during October-November-December (OND) season was mostly Below-Normal over most areas apart from the Fairview station which recorded Normal rainfall.

Table 1: October-November-December 2021 Performance

Stations	OND TOTAL	OND LONG TERM MEAN	BN	AN	BN?	AN?	Anomalies
Anse-Boileau	468.9	706.9	530.138	883.563	YES	NO	-238.0
Anse-Forbans	410.1	636.7	477.505	795.841	YES	NO	-226.6
Anse-Royale-Waterwork-PUC	371.4	736.0	552.012	920.019	YES	NO	-364.6
Belombre	576.5	844.8	633.611	1056.02	YES	NO	-268.3
Cascade-Waterwork-PUC	619.4	854.2	640.627	1067.71	YES	NO	-234.8
Fairview-La-Misere	723.6	908.9	681.641	1136.07	NO	NO	-185.3
Hermitage-Waterwork-PUC	547.4	831.1	623.357	1038.93	YES	NO	-283.7
La-Gogue-Waterwork-PUC	385.5	673.8	505.32	842.199	YES	NO	-288.3
Le-Niol-Waterwork-PUC	627.3	909.2	681.875	1136.46	YES	NO	-281.9
Praslin-Airstrip	325.8	566.0	424.523	707.539	YES	NO	-240.2
Quatre-Bornes-Police-Station	310.6	548.1	411.082	685.137	YES	NO	-237.5
Rochon-Waterwork-PUC	693.3	931.4	698.55	1164.25	YES	NO	-238.1
Seychelles-International-Airport	458.5	693.4	520.027	866.711	YES	NO	-234.9
Tea-Factory-Morne-Blanc	788.6	816.0	612.018	1020.03	NO	NO	-27.4

2. November-December-January 2021/2022 Performance

Table 2 below shows how the November-December-January season is performing so far two months into the season. All 15 stations are still recording significant negative anomalies which indicate that the NDJ season is likely to be Below Normal.

Table 2: November-December-January 2021/2022 Performance

Stations	NOV TOTAL	DEC TOTAL	NOV+DEC	NDJ LONG TERM MEAN	Anomalies
Anse-Boileau	94.7	325.1	419.8	844.9	-425.1
Anse-Forbans	82.5	292.5	375	754.8	-379.8
Anse-Royale-Waterwork-PUC	85.5	239	324.5	887.1	-562.6
Belombre	107.2	413.2	520.4	1101.5	-581.1
Cascade-Waterwork-PUC	91.3	409.8	501.1	1095.9	-594.8
Fairview-La-Misere	72.5	519.3	591.8	1179.2	-587.4
Hermitage-Waterwork-PUC	97	371.2	468.2	1129.1	-660.9
La-Gogue-Waterwork-PUC	61.9	269	330.9	936.2	-605.3
Le-Niol-Waterwork-PUC	114.3	445.6	559.9	1207.2	-647.3
Praslin-Airstrip	81	180.1	261.1	715.7	-454.6
Quatre-Bornes-Police-Station	87.1	192.7	279.8	654.6	-374.8
Rochon-Waterwork-PUC	105	476	581	1256.8	-675.8
Seychelles-International-Airpo	86.3	280.2	366.5	910.3	-543.8
Tea-Factory-Morne-Blanc	102.5	560.3	662.8	1060.9	-398.1

3. Oceanic Patterns 2021/2022

La Nina condition continues in the tropical Pacific Ocean as cooler than normal sea surface temperatures in the central and eastern Pacific persist. Most models indicate that the La Nina condition is near or at its peak. Meanwhile over the South-West Indian Ocean basin the Indian Ocean Dipole (IOD) is still neutral and it is expected to remain neutral in the coming months.

The sea surface temperature anomaly maps below shows warming of the South-West Indian Ocean basin, which creates favourable conditions for convective activities. The monthly and weekly SST anomaly maps in particular shows some significant warming around the Seychelles Islands.

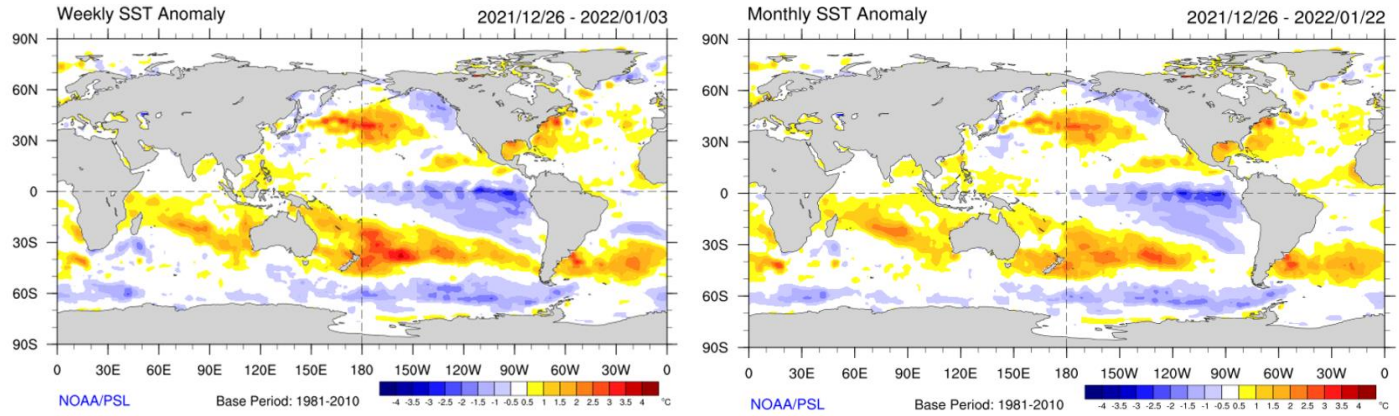


Figure 1: Current weekly SST Anomalies (Left) and Current monthly SST Anomalies (Right)

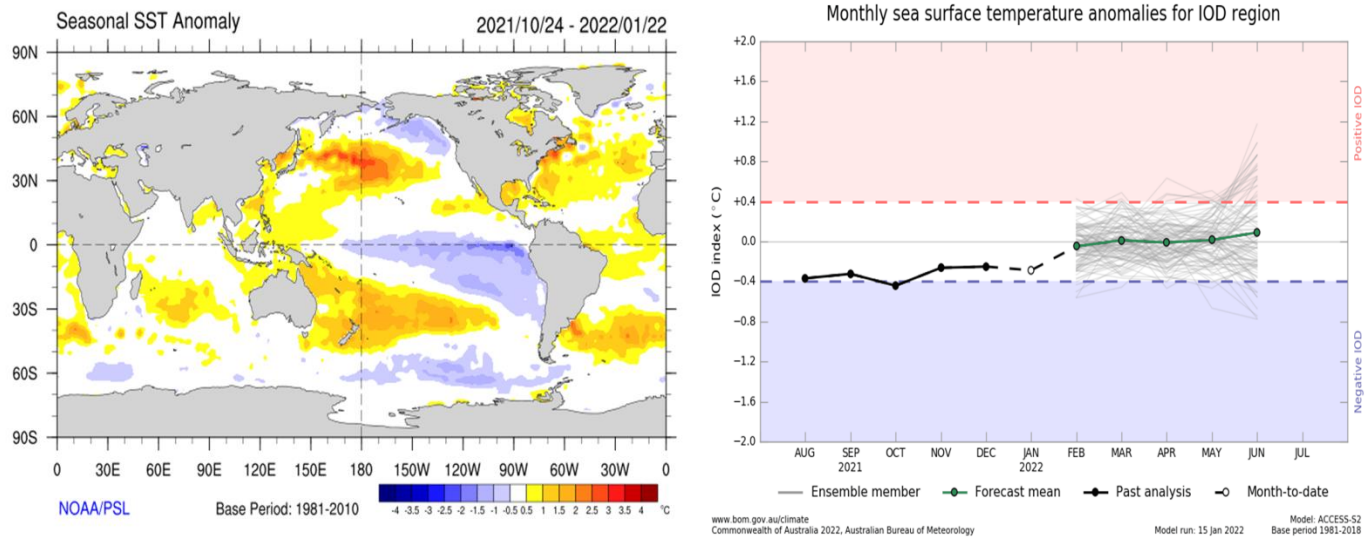
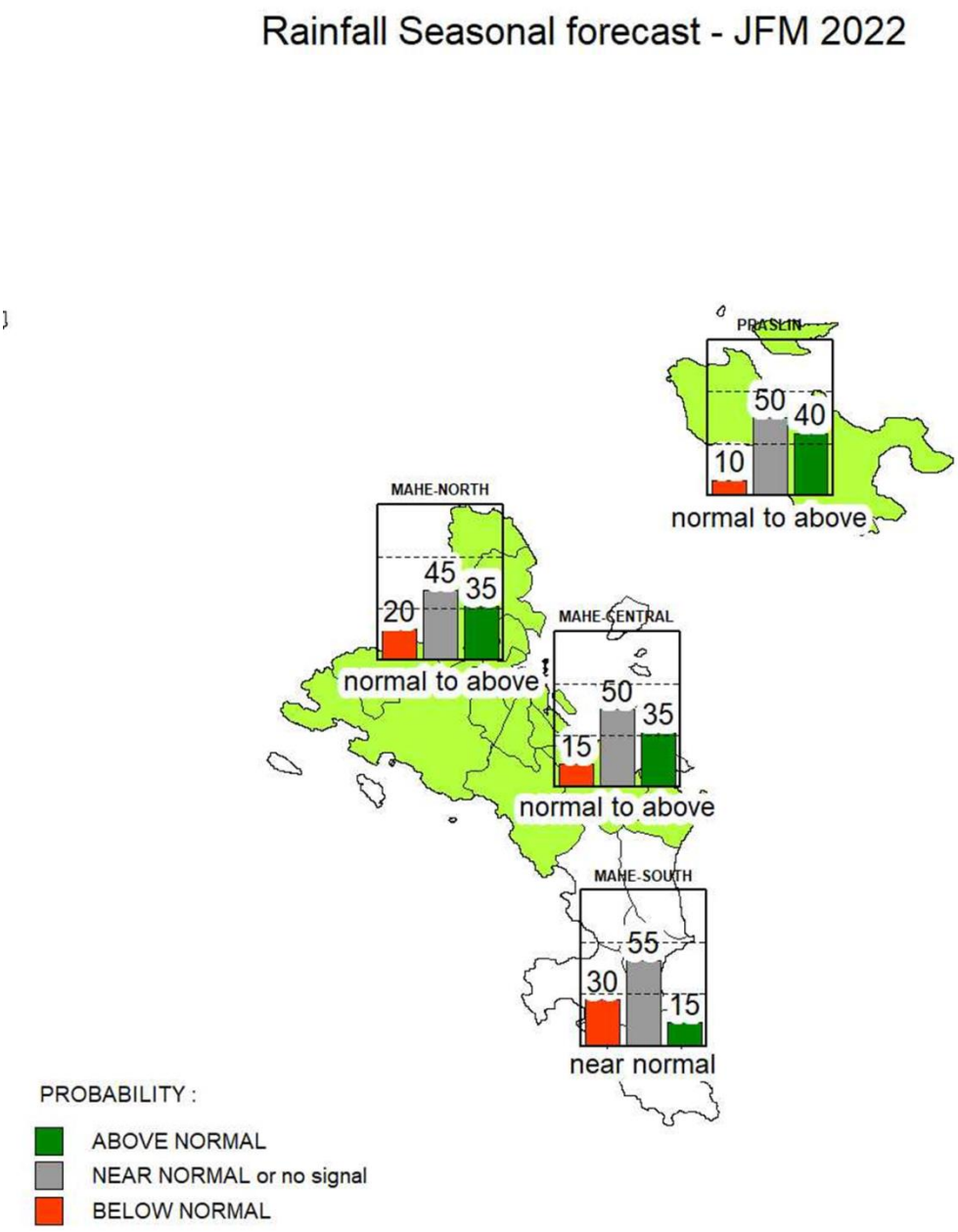


Figure 2: Current Seasonal SST Anomalies (Left) and The Indian Ocean Dipole index (Right)

4. January-February-March Rainfall Seasonal Forecast 2022



Based on the prevailing conditions over the South-west Indian Ocean basin, the probability-based rainfall outlook for January-February-March indicates an enhanced likelihood for Near-Normal Rainfall with a bias towards Above-Normal over Mahe and Inner Islands.