

**May-June-July 2021**  
**Seasonal Climate Outlook**





# SEYCHELLES METEOROLOGICAL AUTHORITY

## May-June-July 2021 Seasonal Climate Outlook



### Table of Contents

1. February-March-April 2021 Performance .....	1
2. March-April-May 2021 Performance .....	1
3. Oceanic Patterns 2021 .....	2
4. May-June-July Rainfall Seasonal Forecast 2021.....	4



# SEYCHELLES METEOROLOGICAL AUTHORITY

## May-June-July 2021 Seasonal Climate Outlook



### 1. February-March-April 2021 Performance

Table 1 below shows that the rainfall recorded during the February-March-April (FMA) season was Normal over most areas, with 9 stations recording Near-Normal Rainfall. 2 stations (La Gogue and Rochon) recorded Above Normal, whereas the remaining 4 station recorded Below Normal Rainfall. In general the stations over Mahe-Central, Mahe-North and Praslin performed better than those over Mahe-South

*Table 1: February-March-April rainfall performance*

	FMA TOTAL	FMA LONG TERM MEAN	BN	AN	BN?	AN?	ANOMALIES
Anse-Boileau	462.2	495.9	371.9	619.9	NO	NO	-33.7
Anse-Forbans	282.3	491.8	368.9	614.8	YES	NO	-209.5
Anse-Royale-Police-Station	251.3	476.2	357.2	595.3	YES	NO	-224.9
Anse-Royale-Waterwork-PUC	424.4	426.8	320.1	533.5	NO	NO	-2.4
Belombre	606.4	539.5	404.6	674.4	NO	NO	66.9
Cascade-Waterwork-PUC	630.9	653.9	490.4	817.4	NO	NO	-23.0
Fairview-La-Misere	604.4	504.0	378.0	630.0	NO	NO	100.4
Hermitage-Waterwork-PUC	584	501.1	375.8	626.4	NO	NO	82.9
La-Gogue-Waterwork-PUC	554.7	429.0	321.8	536.3	NO	YES	125.7
Le-Niol-Waterwork-PUC	751.4	650.5	487.9	813.1	NO	NO	100.9
Praslin-Airstrip	599.7	570.7	428.0	713.4	NO	NO	29.0
Quatre-Bornes-Police-Station	230.2	373.2	279.9	466.5	YES	NO	-143.0
Rochon-Waterwork-PUC	809.9	528.9	396.7	661.1	NO	YES	281.0
Seychelles-International-Airport	633.8	536.3	402.2	670.4	NO	NO	97.5
Tea-Factory-Morne-Blanc	441.3	615.3	461.5	769.1	YES	NO	-174.0

### 2. March-April-May 2021 Performance

Table 2 below shows how the March-April-May season is performing so far, two months into the season. All the 15 stations considered for seasonal forecasting except for La Gogue is still recording Below Normal rainfall with some significant negative anomalies.



# SEYCHELLES METEOROLOGICAL AUTHORITY

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*Table 2: March-April rainfall performance*

	MAR TOTAL	APR TOTAL	MAR + APR	MAM LONG TERM MEAN	ANOMALIES
Anse-Boileau	86.0	299.3	385.3	475.6	-90.3
Anse-Forbans	71.1	125.1	196.2	571.9	-375.7
Anse-Royale-Police-Station	39.3	140.7	180.0	517.1	-337.1
Anse-Royale-Waterwork-PUC	61.9	292.9	354.8	471.4	-116.6
Belombre	114.2	214.1	328.3	532.0	-203.7
Cascade-Waterwork-PUC	116.4	315.5	431.9	677.5	-245.6
Fairview-La-Misere	120.0	295.2	415.2	706.7	-291.5
Hermitage-Waterwork-PUC	114.5	289.9	404.4	441.9	-37.5
La-Gogue-Waterwork-PUC	130.6	242.1	372.7	306.2	66.5
Le-Niol-Waterwork-PUC	143.5	307.9	451.4	627.9	-176.5
Praslin-Airstrip	85.9	235.5	321.4	408.1	-86.7
Quatre-Bornes-Police-Station	67.0	86.3	153.3	449.2	-295.9
Rochon-Waterwork-PUC	106.3	429.5	535.8	539.0	-3.2
Seychelles-International-Airport	119.3	265.6	384.9	583.0	-198.1
Tea-Factory-Morne-Blanc	69.9	371.4	441.3	669.0	-227.7

### 3. Oceanic Patterns 2021

Oceanic indicators for the El Niño–Southern Oscillation (ENSO) persist at neutral levels and climate model outlooks currently indicate this neutral phase will last at least until October. The Pacific sea surface temperatures were close to the long-term average across most of the equatorial region. The weekly sea surface temperature anomalies (Figure 1) still indicate warming along the eastern coast of Madagascar. However, some cooling along the east African coast is also apparent.

Looking at the seasonal sea surface temperature anomalies the warming is still present to the eastern side of Madagascar but closer to the Seychelles islands warming has reduced significantly. The Indian Ocean Dipole (IOD) is currently neutral and climate model outlooks suggest the IOD is most likely to remain neutral in June through July (Figure 2). Some models indicate a possibility of negative IOD thresholds may be reached towards August. However, the accuracy of IOD forecasts made in March to early April is generally lower than at other times of the year, but improves towards June.

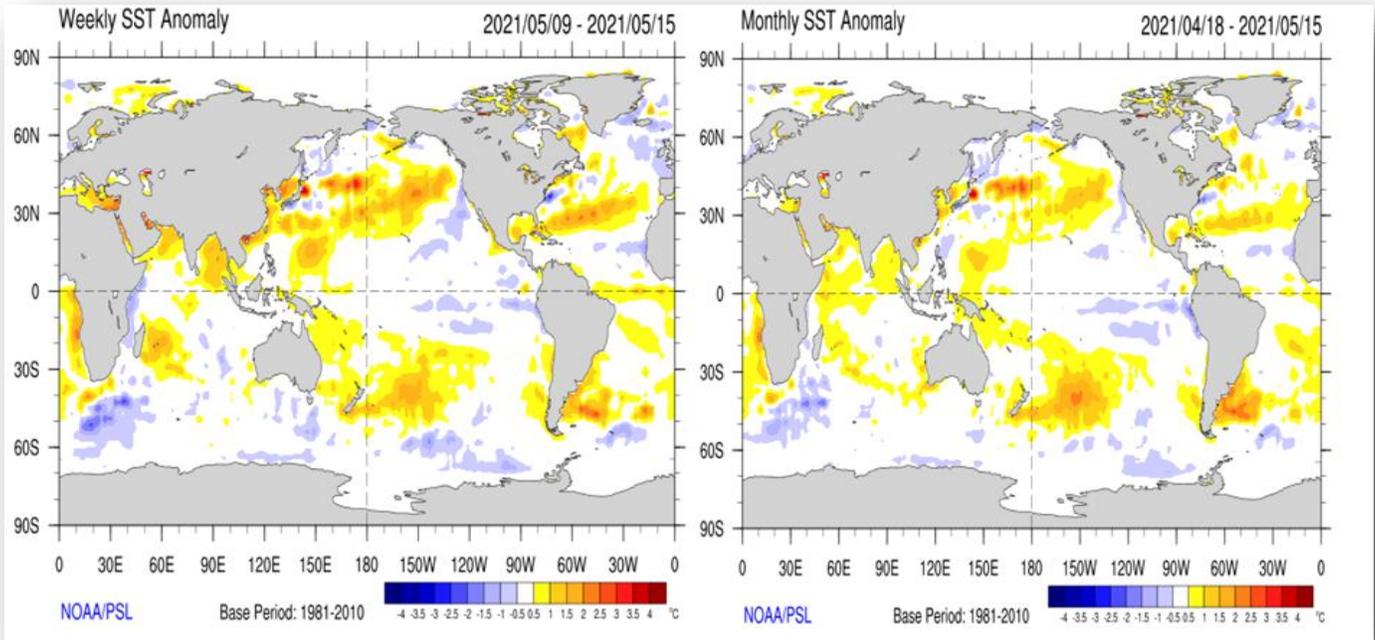


Figure 1: Current weekly SST Anomalies (Left) and Current monthly SST Anomalies (Right)

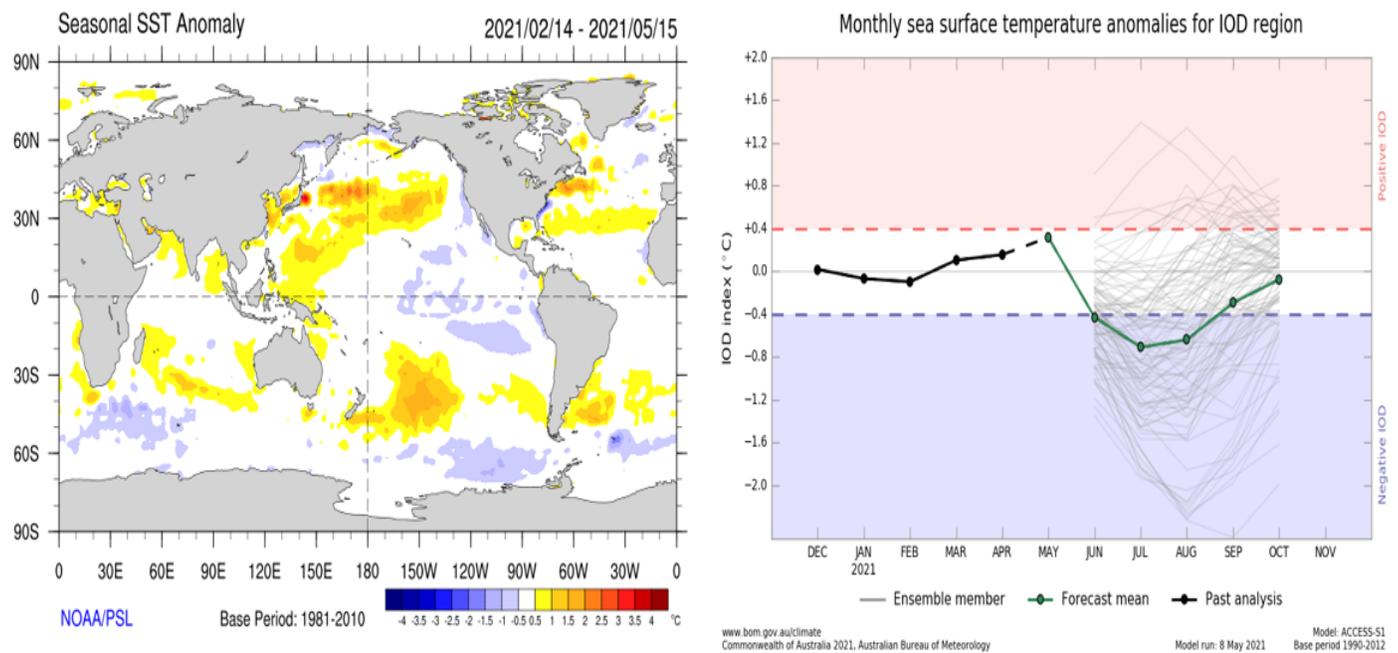


Figure 2: Current Seasonal SST Anomalies (Left) and The Indian Ocean Dipole index (Right)



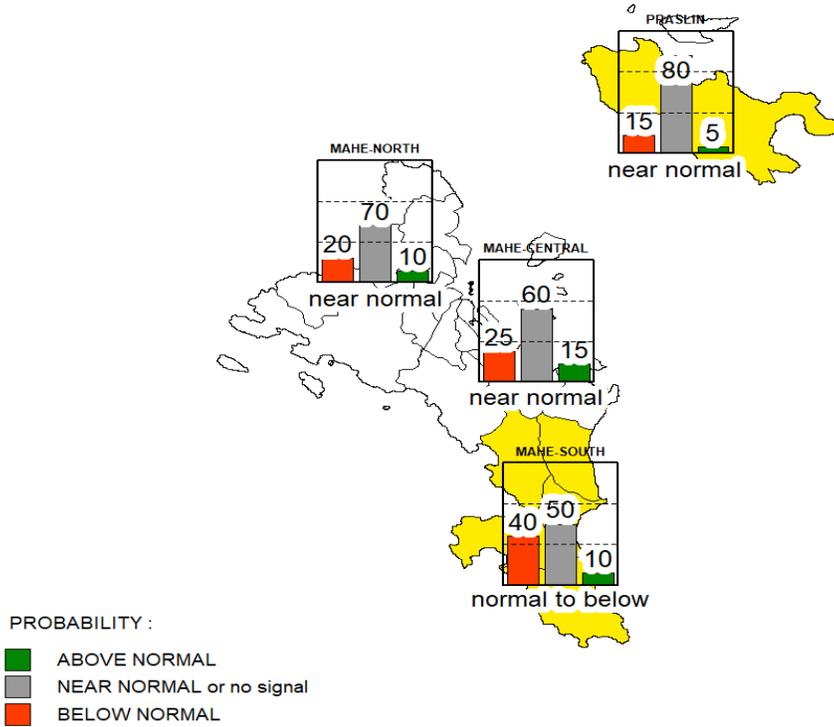
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### 4. May-June-July Rainfall Seasonal Forecast 2021

Rainfall Seasonal forecast - MJJ 2021



Based on the prevailing conditions over the South-West Indian Ocean, the probability-based rainfall outlook for May-June-July indicates an enhanced likelihood for Near-Normal rainfall with a strong bias towards Below-Normal over Mahe-South and Praslin, however Near-Normal rainfall is expected over Mahe-Central and Mahe-North.