

**October-November-December 2021**  
**Seasonal Climate Outlook**





# SEYCHELLES METEOROLOGICAL AUTHORITY

## October-November-December 2021 Seasonal Climate



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### 1. July-August-September 2021 Performance

Table 1 below shows that during July-August-September (JAS) season, 9 stations recorded Below Normal rainfall and the remaining 5 recorded Normal rainfall.

Table 1: July-August-September Rainfall Performance

	JAS TOTAL	JAS LONG TERM MEAN	BN	AN	BN?	AN?	ANOMALIES
Anse-Boileau	396.1	619.4	464.5	774.2	YES	NO	-223.3
Anse-Forbans	228.4	617.0	462.7	771.2	YES	NO	-388.6
Anse-Royale-Waterwork-PUC	238.2	622.4	466.8	778.0	YES	NO	-384.2
Belombre	631	621.5	466.1	776.9	NO	NO	9.5
Cascade-Waterwork-PUC	477.6	596.1	447.1	745.1	NO	NO	-118.5
Fairview-La-Misere	489.7	586.0	439.5	732.5	NO	NO	-96.3
Hermitage-Waterwork-PUC	349.5	576.7	432.5	720.9	YES	NO	-227.2
La-Gogue-Waterwork-PUC	196.8	571.3	428.5	714.2	YES	NO	-374.5
Le-Niol-Waterwork-PUC	578.4	587.1	440.3	733.8	NO	NO	-8.7
Praslin-Airstrip	351.7	567.8	425.8	709.7	YES	NO	-216.1
Quatre-Bornes-Police-Station	175.1	594.3	445.7	742.9	YES	NO	-419.2
Rochon-Waterwork-PUC	467	627.7	470.8	784.7	YES	NO	-160.7
Seychelles-International-Airpor	284.6	571.4	428.5	714.2	YES	NO	-286.8
Tea-Factory-Morne-Blanc	462.3	598.7	449.0	748.4	NO	NO	-136.4

### 2. August-September-October 2021 Performance

Table 2 below shows how the August-September-October season is performing so far, two months into the season. All stations considered for seasonal forecasting recorded Below-Normal rainfall with some significant negative anomalies. It is therefore very likely that the entire August-September-October season will also be Below Normal.

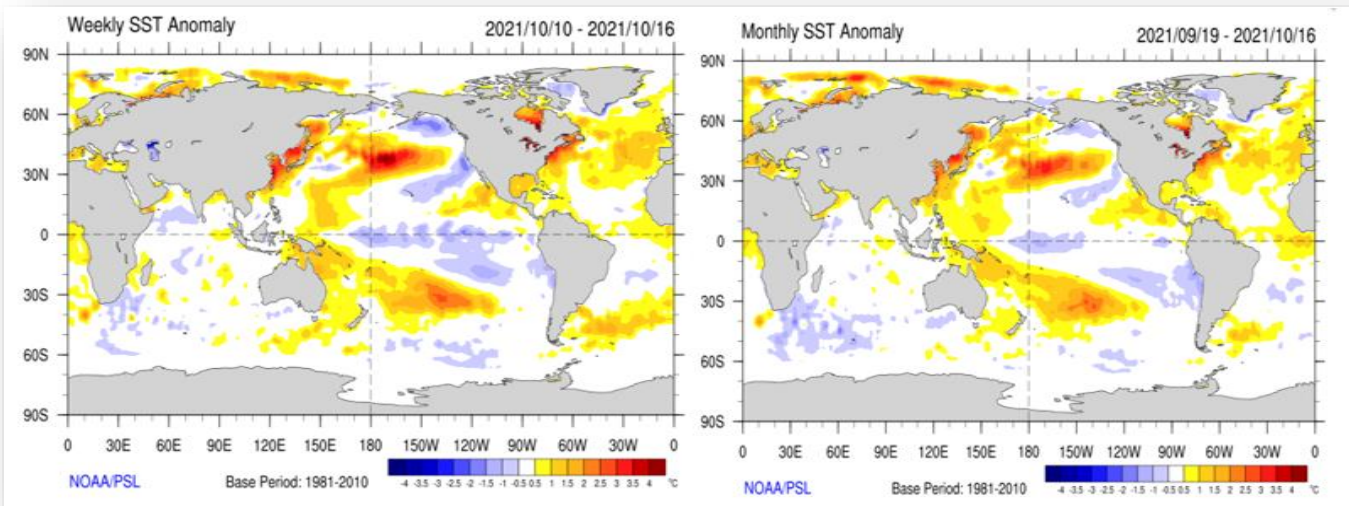
Table 2: 2. July-August-September rainfall performance

	AUG TOTAL	SEPT TOTAL	AUG + SEPT TOTAL	ASO LONG TERM MEAN	ANOMALIES
AnseBoileau	87.5	218.7	306.2	487.5	-181.3
Anse-Forbans	29.4	147.5	176.9	421.7	-244.8
Anse-Royale-Waterwork-PUC	48.6	136.3	184.9	483.9	-299.0
Belombre	58.3	306.4	364.7	589.4	-224.7
CascadeWaterworkPUC	48.3	314.2	362.5	595.7	-233.2
FairviewLaMisere	52.2	309.1	361.3	628.0	-266.7
Hermitage-Waterwork-PUC	35.5	228.3	263.8	479.3	-215.5
La-Gogue-Waterwork-PUC	24.5	139.8	164.3	383.8	-219.5
Le-Niol-Waterwork-PUC	69.5	282.7	352.2	622.5	-270.3
Praslin-Airstrip-(Amitie)	27.8	185.7	213.5	424.7	-211.2
Quatre-Bornes-Police-Station	32.3	100.6	132.9	389.9	-257.0
Rochon-Waterwork-PUC	41.8	282.3	324.1	589.4	-265.3
Seychelles-International-Airpor	23.8	207.8	231.6	458.4	-226.8
Tea-Factory-Morne-Blanc	60.3	237.7	298	535.8	-237.8

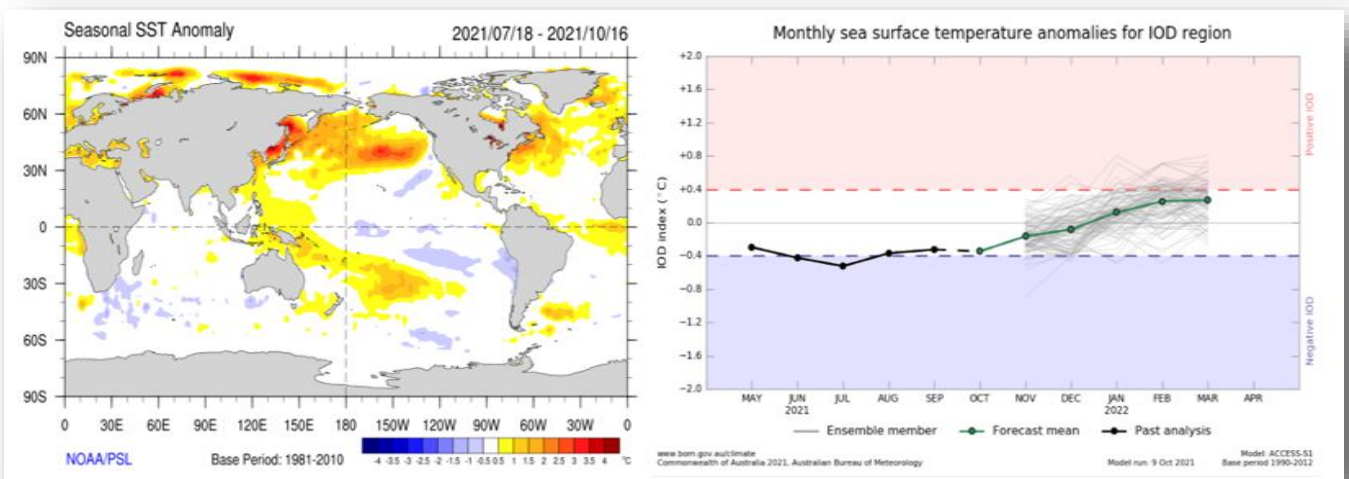
### 3. Oceanic Patterns October 2021

The El Niño–Southern Oscillation (ENSO) is still neutral. However, all international climate models show that sea surface temperatures over the tropical Pacific will continue to cool over the coming months. The models indicate La Nina threshold (-0.8) may be met during the month of November and persist until at least January 2022.

Over the Indian Ocean basin, the Indian Ocean Dipole (IOD) Index values met the negative IOD threshold earlier in the month. However, all climate models surveyed show the monthly IOD value will be within the neutral range throughout the forecast period.

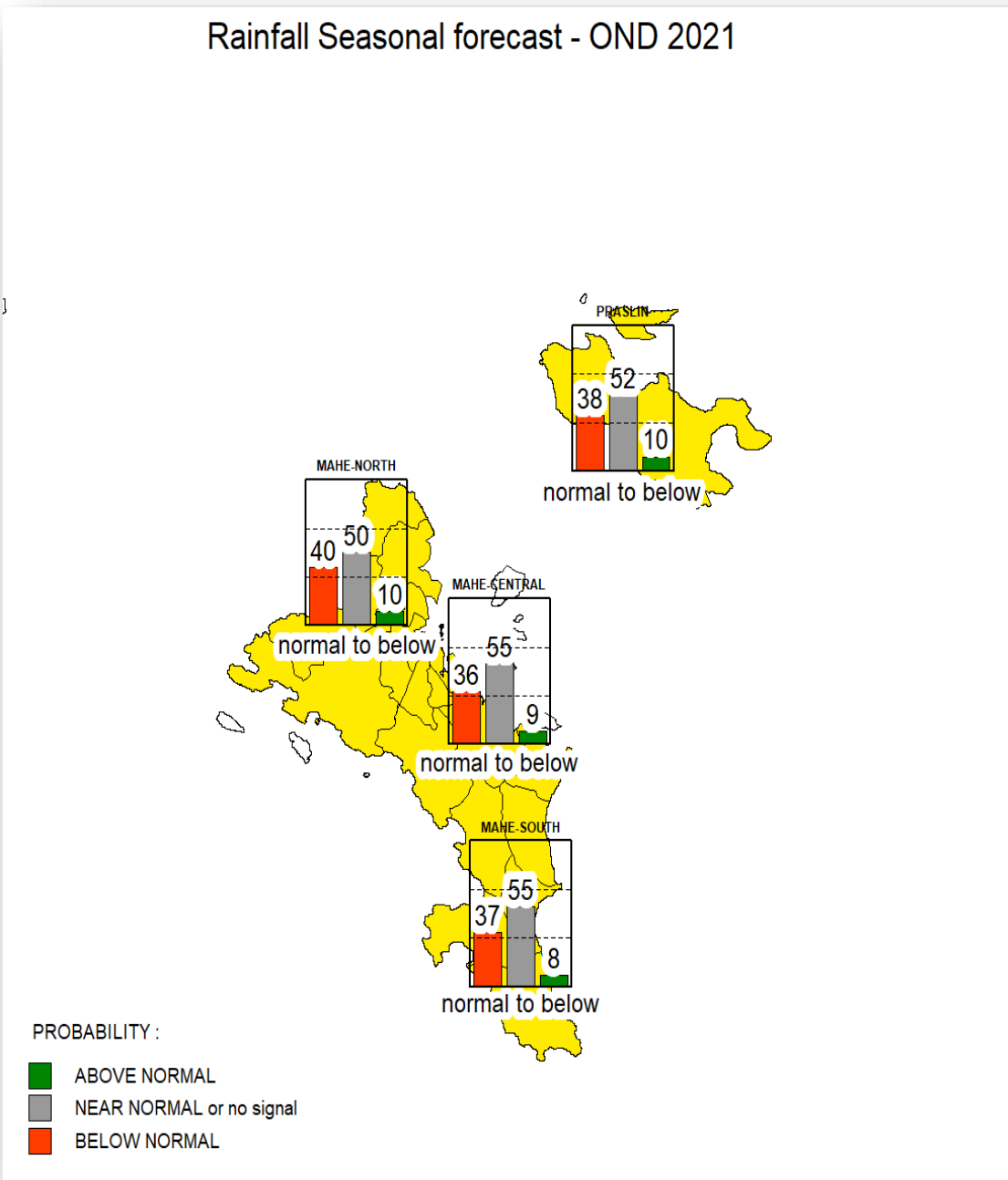


*Figure 1: Current weekly SST Anomalies (Left) and Current monthly SST Anomalies (Right)*



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

#### 4. October-November-December Rainfall Seasonal Forecast 2021



*Figure 3: September-October-November Rainfall Seasonal Forecast 2021*

Based on the prevailing conditions over the South-west Indian Ocean and the persistent cooling over the tropical Pacific Ocean, the probability-based rainfall outlook for October-November-December indicates an enhanced likelihood for Near-Normal Rainfall with a strong bias towards Below-Normal over Mahe and Inner Islands.