



SEYCHELLES METEOROLOGICAL AUTHORITY
December- January-February Seasonal Climate Outlook



December-January-February 2020/21
Seasonal Climate Outlook



1.0 October-November Performance

October and November were two contrasting months in terms of rainfall, October was relatively drier. Comparing the total rainfall recorded for the two months to the long-term mean for October-November-December (Figure 1), it shows that the Normal to Below rainfall forecast issued earlier during the year for the OND season is still on track, with most of the stations still having significant rainfall deficiency.

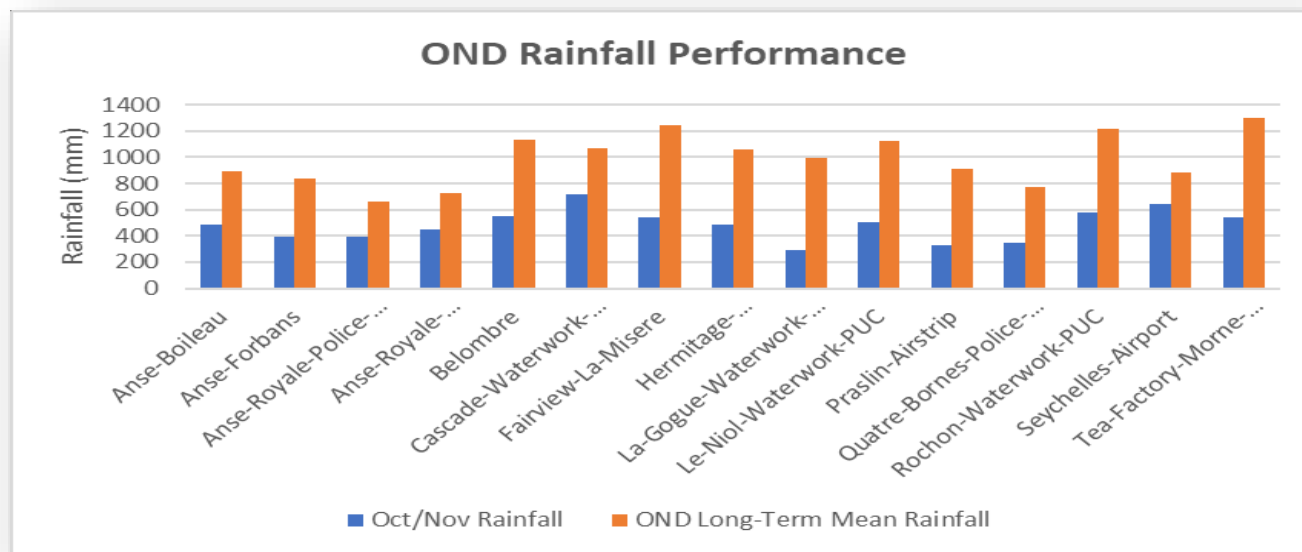


Figure 1: October-November total compared to October-November-December Long-Term mean

The tea factory station at Morne Blanc has the largest deficiency with 760.2 mm needed to at least reach its normal rainfall for OND.

	OCT Total	NOV Total	Oct + Nov	OND Long-Term Mean	Deficit
Anse-Boileau	246.7	240.3	487	888.9	401.9
Anse-Forbans	126.1	271.5	397.6	842	444.4
Anse-Royale-Police-Station	189.1	207.5	396.6	662.2	265.6
Anse-Royale-Waterwork-PUC	195.2	254.4	449.6	724.5	274.9
Belombre	160.5	389.5	550	1137	587
Cascade-Waterwork-PUC	209	512.1	721.1	1072.1	351
Fairview-La-Misere	170.9	370.5	541.4	1246.1	704.7
Hermitage-Waterwork-PUC	185.5	300	485.5	1058.2	572.7
La-Gogue-Waterwork-PUC	109.2	182.5	291.7	997.8	706.1
Le-Niol-Waterwork-PUC	167.3	336.9	504.2	1126.3	622.1
Praslin-Airstrip	91.5	235.6	327.1	908.2	581.1
Quatre-Bornes-Police-Station	100.5	250.2	350.7	775.9	425.2
Rochon-Waterwork-PUC	210.1	367.3	577.4	1220.7	643.3
Seychelles-Airport	168.9	474.8	643.7	881.3	237.6
Tea-Factory-Morne-Blanc	122.4	415.4	537.8	1298	760.2

Table 1: October-November Rainfall Performance

2.0 Oceanic Patterns in November 2020

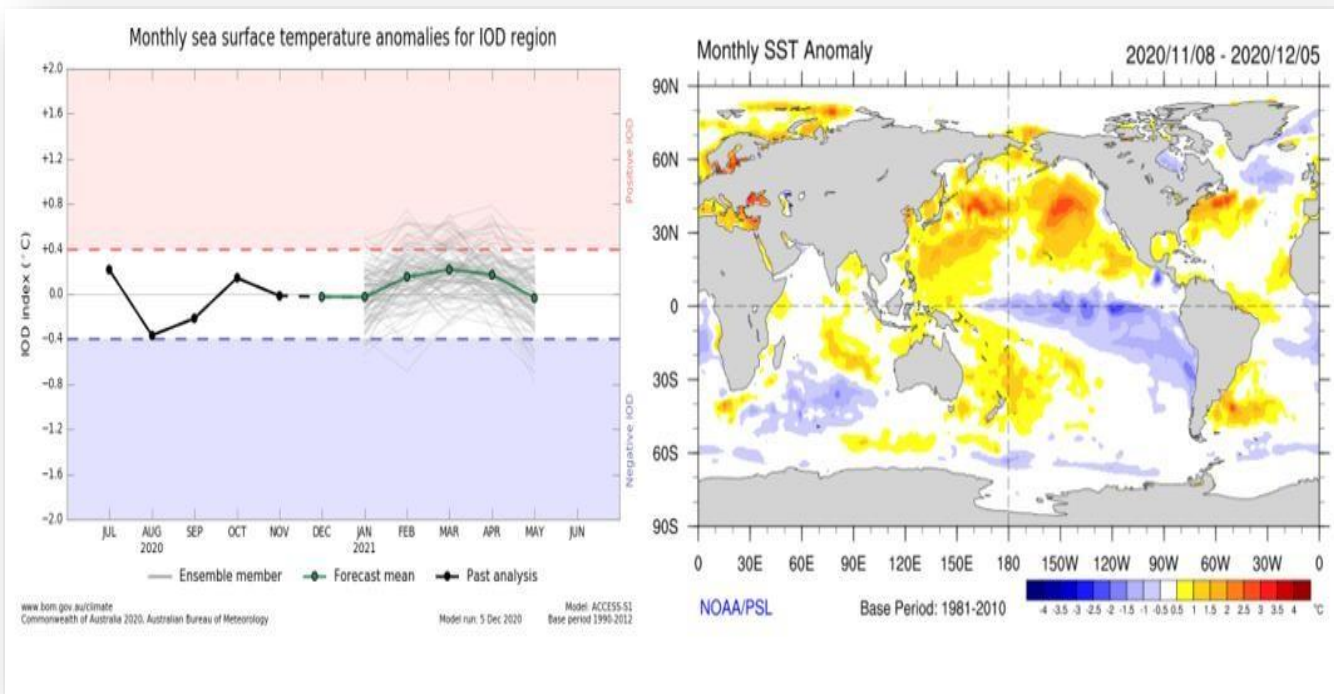
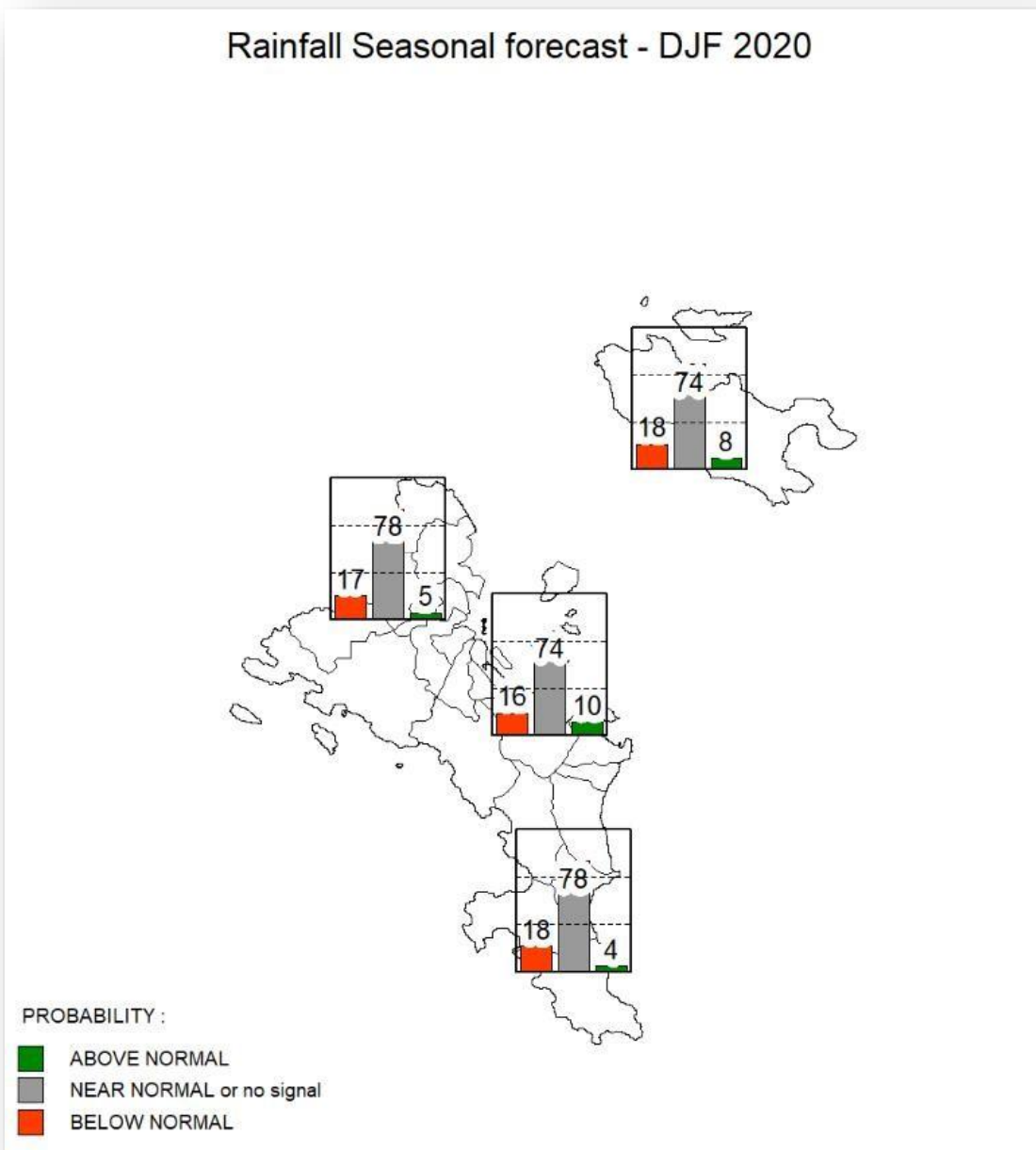


Figure 7: The Indian Ocean Dipole index

Figure 8: Current Monthly SST Anomalies

Large parts of the central Indian ocean are warmer than average. However, the Indian Ocean Dipole (IOD) remains in neutral condition. All but one of the six surveyed climate models expect the IOD to remain neutral. Meanwhile in the Pacific, cooler than normal temperature persists over the Nino region, with sea surface temperature pattern still consistent with La Nina condition. Models surveyed by the Australian Bureau of Meteorology indicates central Pacific sea surface temperature are likely to peak during the southern summer (1st Dec – 28th Feb). La Nina normally suppresses rainfall during the rainy season over the Seychelles islands.

3.0 December-January-February Rainfall Seasonal Forecast 2020/21



In view of the current conditions, the probability-based rainfall outlook for December-January February indicates that there is an enhanced likelihood for Near Normal with a bias towards Below Normal rainfall over Mahe, Praslin and La Digue.