Pacific Islands - Online Climate Outlook Forum (OCOF) No. 148

Country: Palau

TABLE 1: Monthly Rainfall

Station (include data period)	Oct-2019	Nov-2019	Dec-2019				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Koror Airport (1951-2019)	354.1	286.8	250.4	264.2	352.8	310.9	21/69

TABLE 2: Three-month Rainfall for October to December 2019

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 July-August 2019				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Koror Airport (1951-2019)	891.3	Normal	803.0	1027.6	900.0	31/69	43	33	24	12	Near-consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for February to April 2020
Predictor and Period used: NINO3.4 for November to December 2019

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Koror Airport (1951-2019)	63	674.1	37		14	65

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Koror Airport (1951-2019)	48	539.1	33	771.9	19	26	62

TABLE 4: Seasonal Climate Outlooks using POAMA2 for February to April 2020

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Koror Airport	70	634.0	18	799.0	12

Summary Statements

Rainfall for December 2019: A late monsoon season trough found south of Palau provided nearly 101.6mm of rain for the first week of December. Thereafter, the Trade-winds dominated the weather for Palau for the rest of the month. The Trades were moist, wet, and fresh to strong for the second and third week of December doubling rainfall totals and warranting Regional and Local Advisories for the Palau. During the last week of 2019 the Trades became drier and December rainfall totals fell below the Norm, with the total for December at 250.4 mm being 88% of the Normal.   No hazards to report in terms of wind and rain.   The only impact due to the strong trades and hazardous seas were the lack of fish stock at the fish market which started before Christmas through the end of Dec.

Accumulated rainfall for October to December 2019, including outlook verification: Palau recorded normal rainfall for the past three months. Had a SCOPIC-based outlook been issued in September it would have verified as Near-consistent since it would have indicated below normal as the most likely outcome.

Outlooks for February to April 2020:

1. **SCOPIC:** The outlook for February to April shows below normal rainfall as the most likely outcome, with normal as the next most likely. Above normal is the least likely.

2. **POAMA:** The outlook for the next three months favours below normal rainfall, with normal as the next most likely.

NB: The X LEPS % score has been categorised as follows:

Very Low: X < 0.0   Low: 0 ≤ X < 5   Moderate 5 ≤ X < 10   Good: 10 ≤ X < 15   High: 15≤ X < 25

Very High: 25 ≤X < 35 Exceptional: X ≥ 35

Table: 5 Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders

Product	Date: December 2019	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin	N/A				
EAR Watch	N/A				
Monthly Climate Briefing	N/A				
Ocean Bulletin	N/A				
		Total			