Pacific Islands - Online Climate Outlook Forum (OCOF) No. 132

Country: TUVALU

TABLE 1: Monthly Rainfall

Station (include data period)	Jun-2018	Jul-2018	Aug-2018				Rank
	Total (mm)	Total (mm)	Total (mm)	33%tile	67%tile	Median	
			Rainfall (mm)				
Nanumea (1941-2018)	99.0	72.5	232.2	151.1	221.7	188.4	56/77
Nui (1946-2018)	232.7	152.5	280.0	136.8	259.0	184.6	52/73
Funafuti (1933-2018)	186.1	252.1	296.9	182.6	278.4	214.6	62/86
Niulakita (1953-2018)	331.7	328.8	518.5	132.7	236.0	194.0	**65/66**

TABLE 2: Three-month Rainfall for June to August 2018

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 March-April 2018				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Nanumea (1941-2018)	403.7	Below normal	448.0	698.7	606.9	22/77	50	35	15	20	Consistent
Nui (1946-2018)	665.2	Normal	499.6	726.7	637.5	41/73	47	36	17	17	Near-consistent
Funafuti (1933-2018)	735.1	Normal	583.4	845.3	716.6	45/86	54	25	21	20	Near-consistent
Niulakita (1953-2018)	1179.0	Above normal	537.5	737.3	602.2	65/66	41	33	26	4	Inconsistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for October to December 2018
Predictor and Period used: NINO3.4 for July to August 2018

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Nanumea (1941-2018)	31	647.4	69		36	75
Nui (1946-2018)	43	822.1	57		8	62
Funafuti (1933-2018)	47	902.2	53		1	56
Niulakita (1953-2018)	52	827.0	48		-1	57

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Nanumea (1941-2018)	19	538.3	36	755.0	45	32	52
Nui (1946-2018)	24	710.9	38	919.5	38	7	29
Funafuti (1933-2018)	30	810.0	34	1008.4	36	0	29
Niulakita (1953-2018)	34	731.7	35	952.5	31	-1	35

TABLE 4: Seasonal Climate Outlooks using POAMA2 for October to December 2018

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Nanumea	36	627.0	21	836.0	43
Nui	33	528.0	24	869.0	43
Funafuti	33	802.0	18	949.0	49
Niulakita	27	708.0	12	902.0	61

Summary Statements

Rainfall for August 2018:

Above normal rainfall was recorded at all the stations. Niulakita recorded the 2nd highest rainfall on record for August.

Accumulated rainfall for June to August 2018, including outlook verification:

- Below normal rainfall was collected at Nanumea with a consistent forecast
- Normal rainfall was collected at Nui and Funafuti with near-consistent forecasts
- Above normal rainfall was collected at Niulakita with an inconsistent forecast.

Niulakita recorded its 2nd highest rainfall on record for this three-month period.

Outlooks for October to December 2018:

1. **SCOPIC:**
   - The outlook for this season at Nanumea station shows above normal as the most likely outcome, with normal the next most likely outcome. Below normal is the least likely.
   - Outlook for Nui during this season (Oct – Dec) shows a near-equal likelihood of above normal and normal rainfall. Below normal is the least likelihood.
   - The outlook for Funafuti and Niulakita offers little guidance as the chances of above normal, normal and below normal are similar.

   Confidence in the outlook for this upcoming season is very high for Nanumea, Moderate at Nui and very low at Funafuti and Niulakita.

2. **POAMA:**
   - The outlook shows above normal as the most likely outcome, with below normal is the next most likely. Normal is the least likely outcome.

Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders

Country	Date	Stakeholder	Total Number of Participants	Number of male	Number of female

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