Pacific Islands - Online Climate Outlook Forum (OCOF) No. 137

Country: Tuvalu

TABLE 1: Monthly Rainfall

Station (include data period)	Nov-2018	Dec-2018	Jan-2019				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Nanumea (1941-2019)	231.3	416.2	350.0	251.0	405.0	333.8	42/79
Nui (1946-2019)	299.8	272.3	369.6	254.0	455.0	353.0	40/74
Funafuti (1933-2019)	314.5	228.3	403.8	299.0	434.0	363.2	44/87
Niulakita (1953-2019)	300.7	614.7	671.1	298.0	476.0	404.0	**61/66**

TABLE 2: Three-month Rainfall for November 2018 to January 2019

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 August-September 2018				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Nanumea (1941-2019)	997.5	Above normal	624.0	997.0	882.8	52/77	18	39	**43**	28	Consistent
Nui (1946-2019)	941.7	Normal	834.9	1106.6	971.9	34/71	26	**37**	**37**	4	Near-consistent
Funafuti (1933-2019)	946.6	Normal	927.0	1140.0	1027.9	33/86	30	**38**	32	0	Consistent
Niulakita (1953-2019)	1586.5	Above normal	822.0	1126.0	1006.5	**63/63**	**40**	36	24	13	Inconsistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for March to May 2019

Predictor and Period used: NINO3.4 for December 2018 to January 2019

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Nanumea (1941-2019)	27	768.7	73		22	69
Nui (1946-2019)	31	698.5	69		17	75
Funafuti (1933-2019)	35	791.2	65		9	57
Niulakita (1953-2019)	47	828.6	53		-1	58

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 (1941-2019)	11	550.0	35	880.5	54	22	57
Nui (1946-2019)	23	590.8	32	830.6	45	8	52
Funafuti (1933-2019)	20	674.5	35	906.5	45	9	46
Niulakita (1953-2019)	21	701.5	40	913.1	39	4	38

TABLE 4: Seasonal Climate Outlooks using POAMA2 for March to May 2019

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Nanumea	18	756.0	49	997.0	33
Nui	12	707.0	49	940.0	39
Funafuti	24	788.0	33	1034.0	43
Niulakita	43	724.0	30	940.0	27

Summary Statements

Rainfall for January 2019:

Normal rainfall was recorded at all stations except Niulakita recorded **above normal** rainfall. Niulakita recorded the 6th highest January rainfall on record.

Accumulated rainfall for November 2018 to January 2019, including outlook verification:

Rainfall over the last three months was **above normal** at Nanumea and Niulakita, **normal** rainfall received at Nui and Funafuti. Niulakita recorded the highest November to January rainfall on record.

The SCOPIC outlooks for the last three months were **consistent** at Nanumea and Funafuti, **inconsistent** at Niulakita and **near-consistent** at Nui.

Outlooks for March to May 2019:

1. **SCOPIC:**
   The outlook for Nanumea favours above normal rainfall.

   For Nui and Funafuti, the outlook shows **above normal** as the most likely outcome, with **normal** the next most likely. **Below** is the least likely.

   Niulakita outlook shows near likelihood of **above normal** and **normal** rainfall. **Below normal** is the least likely.

2. **POAMA:**
   The outlook at Funafuti shows **above normal** as the most likely outcome, with **normal** the next most likely. **Below normal** is the least likely.

Niulakita outlook shows **below normal** as the most likely outcome, with **normal** the next most likely. **Above normal** is the least likely.

Nanumea and Nui outlook shows **normal** as the most likely outcome, with **above normal** the next most likely. **Below normal** is the least 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

Country	Date: January 2019	Stakeholder	Total Number of Participants	Number of male	Number of female