

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 131

Country: Tuvalu

TABLE 1: Monthly Rainfall

Station (include data period)	May-2018	Jun-2018	Jul-2018				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Nanumea (1941-2018)	55.7	99.0	72.5	125.7	219.8	171.3	9/77
Nui (1946-2018)	112.0	232.7	152.5	163.9	232.6	198.8	21/73
Funafuti (1933-2018)	230.5	186.1	252.1	191.3	277.6	220.7	51/86
Niulakita (1953-2018)	344.2	331.7	328.8	164.1	253.3	208.0	56/66

TABLE 2: Three-month Rainfall for May to July 2018

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 Feb-Mar 2018				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Nanumea (1941-2018)	227.2	Below normal	490.6	711.0	608.2	6/77	55	30	15	20	Consistent
Nui (1946-2018)	497.2	Below normal	514.5	685.8	557.2	23/73	55	37	8	31	Consistent
Funafuti (1933-2018)	668.7	Normal	612.2	785.7	701.0	37/86	56	34	10	30	Near-consistent
Niulakita (1953-2018)	1004.7	Above normal	540.7	740.3	617.2	59/66	40	34	26	-1	Inconsistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for September to November 2018
Predictor and Period used: NINO3.4 for June to July 2018

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Nanumea (1941-2018)	31	469.0	69		31	73
Nui (1946-2018)	35	615.7	65		25	69
Funafuti (1933-2018)	40	736.6	60		10	63
Niulakita (1953-2018)	50	700.8	50		-2	39

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)	16	325.1	38	568.3	46	34	55
Nui (1946-2018)	21	490.1	37	730.5	42	18	54
Funafuti (1933-2018)	22	621.0	38	843.2	40	12	52
Niulakita (1953-2018)	33	616.0	34	824.8	33	-2	31

TABLE 4: Seasonal Climate Outlooks using POAMA2 for September to November 2018

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Nanumea	45	460.0	6	664.0	49
Nui	42	497.0	12	726.0	46
Funafuti	39	632.0	18	810.0	43
Niulakita	18	595.0	15	811.0	67

Summary Statements

Rainfall for July 2018:

Rainfall was **below normal** at Nanumea and Nui, **normal** at Funafuti, while Niulakita recorded **above normal** rainfall.

Accumulated rainfall for May to July 2018, including outlook verification:

Rainfall over the last three months was **below normal** at Nanumea and Nui, **normal** at Funafuti, while Niulakita recorded **above normal** rainfall. Forecast was **consistent** at Naumea and Nui, while **near-consistent** at Funafuti and **inconsistent** at Niulakita.

Outlooks for September to November 2018:

1. SCOPIC:

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

Funafuti outlook shows a near-equal likelihood of **above normal** and **normal** rainfall. **Below normal** is the least likely.

The outlook for Niulakita offers little guidance as the chances of **above normal**, **normal** and **below normal** are similar

2. POAMA:

The outlook shows above normal as the mostly likely outcome for Naumea, Nui and Funafuti with below normal the next most likely. Outlook favours above normal for Niulakita.

Stakeholder Engagement- Evaluations of how effective we 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: $0 \leq X < 5$

Moderate $5 \leq X < 10$

Good: $10 \leq X < 15$

High: $15 \leq X < 25$

Very High: $25 \leq X < 35$

Exceptional: $X \geq 35$

