

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 135

Country: Tuvalu

TABLE 1: Monthly Rainfall

Station (include data period)	Sep-2018	Oct-2018	Nov-2018				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Nanumea (1941-2018)	122.5	168.5	231.3	114.6	203.0	154.0	56/77
Nui (1946-2018)	178.9	351.0	299.8	195.9	272.1	231.1	56/73
Funafuti (1933-2018)	177.2	273.3	314.5	211.7	308.4	249.7	60/86
Niulakita (1953-2018)	364.9	186.1	300.7	213.0	316.3	274.4	40/65

**TABLE 2: Three-month Rainfall for September to November 2018**

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 June-July 2018				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Nanumea (1941-2018)	522.3	Normal	325.1	568.3	469.0	45/76	16	38	46	34	Near-consistent
Nui (1946-2018)	829.7	Above normal	490.1	730.5	615.7	56/73	21	37	42	18	Consistent
Funafuti (1933-2018)	765.0	Normal	621.0	843.2	736.6	50/86	22	38	40	12	Near-consistent
Niulakita (1953-2018)	851.7	Above normal	616.0	824.8	700.8	44/65	33	34	33	-2	Near-consistent

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

Predictor and Period used: NINO3.4 for October to November 2018

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Nanumea (1941-2018)	8	939.3	92		43	77
Nui (1946-2018)	30	982.5	70		15	74
Funafuti (1933-2018)	35	1069.9	65		8	63
Niulakita (1953-2018)	60	1057.0	40		2	59

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)	6	724.6	23	1078.1	71	34	59
Nui (1946-2018)	23	845.8	31	1091.7	46	5	49
Funafuti (1933-2018)	22	952.2	34	1176.0	44	5	47
Niulakita (1953-2018)	34	947.4	41	1148.6	25	0	43

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

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Nanumea	9	796.0	27	1148.0	64
Nui	12	917.0	21	1162.0	67
Funafuti	27	1022.0	15	1201.0	58
Niulakita	39	966.0	18	1189.0	43

**Summary Statements****Rainfall for November 2018:**

Above normal at Nanumea, Nui and Funafuti. Normal rainfall was recorded at Niulakita station

**Accumulated rainfall for September to November 2018, including outlook verification:**

Rainfall over the last three months was normal at Nanumea and Funafuti. Above normal rainfall at Nui and Niulakita.

The SCOPIC outlooks for the last three months were near-consistent at Nanumea, Funafuti and Niulakta, while consistent at Nui station.

**Outlooks for January to March 2019:****1. SCOPIC:**

The outlooks for Nanumea, favours above normal rainfall.

Nui and Funafuti forecast shows above normal as the most likely outcome with normal the next most likely. Below normal is the least likely.

The outlooks for Niulakita shows normal as the most likely outcome with below normal the next most likely. Above normal is the least likely.

Outlooks confidence ranges from very low to very high. For Nanumea there is very high outlook confidence. Low confidence for the rest of met stations.

**2. POAMA:**

The outlook favours above normal rainfall for all stations except for Niulakita where above normal is favoured with normal rainfall the next most likely.

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

Country	Date: November 2018	Stakeholder	Total Number of Participants	Number of male	Number of female
		Islands Kaupule Council	8	7	1
		Government Civil Servants	All Civil Servants		
		Red Cross	1	1	
		Media	1		1
		TANGO	1	1	
		Ekalesia Kelisiano Tuvalu (Church Congrégation)	1	1	

Please note that we distributed to all Secretaries of Islands Kaupule Council only, but in each Kaupule Council they have lots of staffs are involving or working and that why we couldn't give the correct number of peoples. Same as other key stakeholders, only one person we contact to them within the department and we don't know who involved or who goanna used this information's. Government Civil Servants email list are also including different stakeholders as Agriculture

**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:  $X \geq 35$