

# Pacific Islands - Online Climate Outlook Forum (OCOF) No. 133

Country: Tuvalu

**TABLE 1: Monthly Rainfall**

Station (include data period)	Jul-2018	Aug-2018	Sep-2018				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Nanumea (1941-2018)	72.5	232.2	122.4	93.9	175.1	139.6	36/77
Nui (1946-2018)	152.5	280.0	178.9	128.2	204.1	176.5	37/73
Funafuti (1933-2018)	252.1	296.9	177.2	162.6	248.2	202.5	37/86
Niulakita (1953-2018)	328.8	518.5	364.9	170.8	229.0	192.0	62/66

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

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 April-May 2018				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Nanumea (1941-2018)	427.1	Normal	405.0	628.8	542.1	31/77	36	40	24	22	Consistent
Nui (1946-2018)	611.4	Normal	528.3	688.5	606.0	39/73	34	38	28	24	Consistent
Funafuti (1933-2018)	726.2	Normal	589.6	785.9	693.9	50/86	35	38	27	18	Consistent
Niulakita (1953-2018)	1212.2	Above normal	514.7	707.0	600.6	65/65	35	33	32	1	Inconsistent

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for November 2018 to January 2019**  
**Predictor and Period used: NINO3.4 for August to September 2018**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Nanumea (1941-2018)	34	882.8	66		31	75
Nui (1946-2018)	46	971.9	54		3	61
Funafuti (1933-2018)	51	1027.9	49		-2	43
Niulakita (1953-2018)	56	1006.5	44		7	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]
Nanumea (1941-2018)	18	624.3	39	997.0	43	28	59
Nui (1946-2018)	26	834.9	37	1106.6	37	4	38
Funafuti (1933-2018)	30	926.9	38	1140.0	32	0	46
Niulakita (1953-2018)	40	822.2	36	1126.1	24	13	53

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for November 2018 to January 2019**

Station	<b>Below Normal (prob)</b>	<b>33%ile Rainfall (mm)</b>	<b>Normal (prob)</b>	<b>67%ile Rainfall (mm)</b>	<b>Above Normal (prob)</b>
Nanumea	9	794.0	18	1155.0	<b>73</b>
Nui	5	673.0	16	1119.0	<b>79</b>
Funafuti	12	897.0	15	1017.0	<b>73</b>
Niulakita	39	712.0	6	1114.0	<b>55</b>

### **Summary Statements**

#### **Rainfall for September 2018:**

Rainfall in September was **normal** at Nanumea, Nui and Funafuti while Niulakita recorded **above normal** rainfall

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

For the last three months was **normal** at all stations except for Niulakita which recorded **above normal** rainfall.

The SCOPIC outlooks for the last three months were **consistent** at all stations except for an **inconsistent** verification at Niulakita.

#### **Outlooks for November 2018 to January 2019:**

##### **1. SCOPIC:**

Nanumea: The outlook 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.

The outlook for Nui shows near-equal likelihood of **above normal** and **normal** rainfall. **Below normal** is the least likely.

There is little guidance for Funafuti as the chances of **below normal**, **normal** and **above normal** are similar.

##### **2. POAMA:**

The outlook at all stations favours **above normal** rainfall.