

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 125

**Country: SOLOMON ISLANDS**

**TABLE 1: Monthly Rainfall**

Station (include data period)			January 2018				
	November 2017 Total	December 2017 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Auki (1962 – 2017)	214	525	568	287	421	347	46/57
Henderson (1975 – 2017)	168	445	504	170	265	212	41/44
Honiara (1954 – 2017)	205	363	489	190	297	241	57/63
Kirakira (1965 – 2017)	286	550	482	231	411	296	40/51
Lata (1975– 2017)	464	412	394	344	489	379	26/44
Munda (1962 – 2017)	272	306	679	286	415	361	50/57
Taro (1975 – 2017)	185	247	145	214	265	239	10/41

**TABLE 2: Three-monthly Rainfall  
November 2017 to January 2018**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #121]

Station	Three-month Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking	Forecast probs.* (include LEPS)	Verification* (Consistent, Near-consistent Inconsistent)?
Auki (1962 – 2017)	1307	773	966	871	50/54	28/ <b>37</b> /35(7.6)	Near-consistent
Henderson (1975 – 2017)	1117	463	699	585	41/43	26/37/ <b>38</b> (11.9)	Consistent
Honiara (1954 – 2017)	1057	510	646	576	55/60	25/ <b>39</b> /35(16.1)	Near-consistent
Kirakira 1965 – 2017)	1318	700	920	796	44/49	22/ <b>41</b> /37(22.9)	Near-consistent
Lata (1975– 2017)	1270	1045	1246	1118	29/43	29/34/ <b>37</b> (6.5)	Consistent
Munda (1962 – 2017)	1257	816	980	862	49/56	31/34/ <b>35</b> (-3.1)	Consistent
Taro (1975 – 2017)	577	611	780	700	12/38	21/39/ <b>40</b> (17.0)	Inconsistent

Period: \*below normal/normal/above normal

Predictors and Period used for November 2017 to January 2018 Outlooks (refer to OCOF #121): Nino 3.4 SST anomalies for August – September 2017

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for  
March to May 2018**

Predictors and Period used: NINO 3.4 for December 2017 – January 2018

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Auki	43	853.8	57		2.9	64.7
Henderson	46	547.6	54		-1.8	61.8
Honiara	41	613.5	59		7.3	68.6
Kirakira	40	909.4	60		9.0	74.2
Lata	28	1119.8	72		25.4	70.6
Munda	49	919.8	51		-3.1	48.6
Taro	45	858.4	55		1.3	60.6

\* Forecast is consistent when observed and predicted (tercile with the highest probability) categories coincide (are in the same tercile).

Forecast is near-consistent when observed and predicted (tercile with the highest probability) differ by only one category (i.e. terciles 1 and 2 or terciles 2 and 3).

Forecast is inconsistent when observed and predicted (tercile with the highest probability) differ by two categories (i.e. terciles 1 and 3).

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	67%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Auki	32	747.2	36	970.4	32	-1.6	41.8
Henderson	21	470.3	28	619.2	51	11.8	48.8
Honiara	26	546.2	31	706.2	43	4.3	44.4
Kirakira	27	854.8	31	1047.9	42	2.6	40.0
Lata	16	995.6	33	1181.4	51	18.5	47.6
Munda	32	807.5	27	1007.9	41	-0.1	39.3
Taro	26	765.4	32	918.0	42	3.6	37.5

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for March to May 2018**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	67%ile rainfall (mm)	Upper Tercile (prob)		
Honiara	61	460	9	625	30		
Kirakira	33	662	24	1037	43		
Lata	24	981	36	1181	40		
Munda	52	852	12	965	36		
Taro	55	706	6	931	39		

## Summary Statements

### **Rainfall for January 2018:**

Rainfall in January was above normal for all the provinces except below and normal rainfall were recorded for Taro and Lata respectively.

### **Accumulated rainfall for November 2017 to January 2018, including outlook verification:**

Rainfall for the last three months was above normal for all stations except at Taro where below normal rainfall was recorded. Verification of 3-month outlooks issued in October 2017 was consistent at Henderson, Lata and Munda, near-consistent at Auki, Honiara and Kirakira, and inconsistent for Taro.

## Outlooks for March to May 2018:

### 1. SCOPIC:

The outlook for the season shows above-normal as the favoured or most likely outcome at all sites, except for Auki where there is little guidance as the chances of above-normal, normal and below-normal are similar.

### 2. POAMA:

The outlook from POAMA favours above-normal rainfall for Kirakira and Lata, while below-normal rainfall is favoured for Honiara, Munda and Taro.

**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:  $X \geq 35$