

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 129

**Country Name:** SOLOMON ISLANDS

**TABLE 1: Monthly Rainfall**

Station (include data period)	May 2018						
	March 2018 Total	April 2018 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Auki (1962 – 2018)	302.0	348.1	248.3	179.5	248.2	223.4	38/57
Henderson (1975 – 2018)	517.7	178.1	93.3	80.0	138.9	104.5	19/44
Honiara (1954 – 2018)	628.6	183.6	104.4	90.6	135.9	119.9	27/64
Kirakira (1965 – 2018)	386.6	237.4	483.6	229.0	350.2	269.3	46/52
Lata (1975 – 2018)	927.4	583.9	680.3	301.6	389.4	338.3	<b>43/43</b>
Munda (1962 – 2018)	440.9	205.0	180.1	202.4	284.2	245.3	10/57
Taro (1975 – 2018)	324.1	196.2	154.2	238.0	306.8	264.1	<b>3/43</b>

**TABLE 2: Three-monthly Rainfall  
March to May 2018**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #125]

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 – 2018)	898.4	747.2	970.4	853.8	32/56	32/36/32(-1.6)	Consistent
Henderson (1975 – 2018)	789.1	470.3	619.2	547.6	37/43	21/28/51(11.8)	Consistent
Honiara (1954 – 2018)	916.6	546.2	706.2	613.5	57/64	26/31/43(4.3)	Consistent
Kirakira (1965 – 2018)	1107.6	854.8	1047.9	909.4	36/51	27/31/42(2.6)	Consistent
Lata (1975 – 2018)	2191.6	995.6	1181.4	1119.8	<b>43/43</b>	16/33/51(18.5)	Consistent
Munda (1962 – 2018)	826.0	807.5	1007.9	919.8	22/57	32/27/41(-0.1)	Near-consistent
Taro (1975 – 2018)	674.5	765.4	918.0	858.4	9/41	26/32/42(3.6)	Inconsistent

Period: \*below normal/normal/above normal

Predictors and Period used for March to May 2018 Outlooks (refer to OCOF #125):  
NINO3.4 SST anomalies for December 2017 – January 2018.

\* 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).

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for July to September 2018**

**Predictors and Period used:** NINO3.4 SST anomalies for April - May 2018

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Auki	50	658.6	50		-1.7	29.1
Henderson	46	262.2	54		2.2	65.1
Honiara	50	282.8	50		-1.7	18.0
Kirakira	44	869.6	54		7.9	70.8
Lata	49	1106.6	51		-1.1	53.5
Munda	50	830.2	50		-1.7	55.4
Taro	49	916.2	51		-2.6	43.6

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	67%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Auki	34	589.8	32	708.6	34	-1.4	34.5
Henderson	31	224.7	35	316.6	34	-1.5	27.9
Honiara	31	242.6	35	324.9	34	-1.4	47.5
Kirakira	26	725.1	37	1043.0	37	5.7	37.5
Lata	32	923.4	31	1198.0	37	-1.2	37.2
Munda	33	750.5	34	887.7	33	-2.0	32.1
Taro	29	862.3	39	1003.4	32	-2.2	28.2

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

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	67%ile rainfall (mm)	Upper Tercile (prob)		
Honiara	21	188	21	322	58		
Kirakira	18	570	24	923	58		
Lata	24	835	12	1197	64		
Munda	24	716	18	887	58		
Taro	43	790	30	952	27		

## **Summary Statements**

### **Rainfall for May 2018:**

Above normal rainfall was recorded for Auki in the central region and Kirakira and Lata in the eastern region. In the central region, Henderson and Honiara recorded normal rainfall while in the western region, Munda and Taro recorded below normal rainfall. Lata recorded the highest rainfall in May.

### **Accumulated rainfall for March 2018 to May 2018, including outlook verification:**

Above normal rainfall was recorded for Henderson and Honiara in the central region and Kirakira and Lata in the eastern region. Normal rainfall was observed at Auki in the central region and Munda in the western region. Taro in the western region recorded below normal rainfall. Verifications for the stations were consistent for Auki, Henderson, Honiara, Kirakira and Lata. Munda was near consistent and Taro was inconsistent. Lata recorded highest March to May rainfall on record.

### **Outlooks for July to September 2018:**

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

The Outlook offers little guidance for Auki, Henderson and Honiara in the eastern region, Lata in the eastern region and Munda and Taro in the western region as the chances of above normal, normal and below normal rainfall are similar. The outlook offers equal chances of normal and above normal rainfall for Kirakira in the eastern region.

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

Above normal rainfall is favoured for Honiara in the central region, Kirakira and Lata in the eastern region and Munda in the western region. Below normal rainfall is the most likely for Taro in the western region with normal the next most likely.

**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:  $X \geq 35$