

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 103

**Country Name: SOLOMON ISLANDS**

### TABLE 1: Monthly Rainfall

Station (include data period)	March 2016						
	January 2016 Total	February 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Auki (1962 – 2016)	109	482	469	321	451	374	39 of 55
Henderson (1975 – 2016)	125	693	499	192	325	252	40 of 42
Honiara (1954 – 2016)	59	382	180	235	344	302	13 of 62
Kirakira (1965 – 2016)	33	326	176	287	400	360	5 of 49
Lata (1975 – 2016)	187	537	358	370	527	426	13 of 41
Munda (1962 – 2016)	130	534	307	292	430	344	22 of 55
Taro (1975 – 2016)	102	146	172	230	290	272	7 of 41

### TABLE 2: Three-monthly Rainfall January 2016 to March 2016

[Please note that the data used in this verification should be sourced from table 3 of OCOF #99]

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 – 2016)	1060	1001	1285	1196	24 of 55	63/15/22(1.7)	Near consistent
Henderson (1975 – 2016)	1317	647	890	719	40 of 42	83/15/2(21.8)	In consistent
Honiara (1954 – 2016)	621	695	933	837	10 of 61	86/9/5(12.7)	Consistent
Kirakira (1965 – 2016)	536	875	1167	1014	2 of 48	77/23/0(8.0)	Consistent
Lata (1975 – 2016)	1083	1143	1370	1276	11 of 41	64/29/8(8.0)	Consistent
Munda (1962 – 2016)	971	1046	1312	1147	15 of 55	19/58/23(-1.4)	Near Consistent
Taro (1975 – 2016)	420	706	863	773	1 of 39	23/72/5(2.7)	Near Consistent

Period: \*below normal/normal/above normal

Predictors and Period used for January to March 2016 Outlooks (refer to OCOF #99):

**Predictor: 1 month NINO3.4 Extended SST Anomalies November 2015**

\* 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 SCOPIIC for May to July 2016.**

**Predictors and Period used: 1 month NINO3.4 Extended SST Anomalies March 2016.**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Auki	58	611	42		-1.5	50.9
Henderson	71	279	29		-0.1	52.5
Honiara	73	294	27		1.1	50.0
Kirakira	88	864	12		10.0	63.3
Lata	47	986	53		-2.2	43.9
Munda	44	872	56		-1.7	55.6
Taro	36	852	64		-1.2	61.1

Station	Below Normal (prob)	33% ile rainfall (mm)	Normal (prob)	66% ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Auki	46	541	19	684	35	-1.2	24.5
Henderson	65	253	23	319	12	2.5	27.5
Honiara	75	268	9	339	16	4.9	40.0
Kirakira	78	734	17	965	5	11.8	51.0
Lata	63	870	8	1162	29	0.0	41.5
Munda	31	719	29	999	40	-2.3	27.8
Taro	28	760	27	926	45	-2.8	27.8

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for May to July 2016.**

Station	Lower Tercile (prob)	33% ile rainfall (mm)	Middle Tercile (prob)	66% ile rainfall (mm)	Upper Tercile (prob)		
Honiara	46	220	18	324	36		
Kirakira	82	626	5	881	13		
Lata	88	820	6	1165	6		
Munda	49	693	9	1037	42		
Taro	27	675	18	883	55		

## **Summary Statements**

### **Rainfall for March 2016:**

Rainfall is below normal for most parts of the country during the month.

Above normal rainfall was observed in the central region except for Honiara which recorded below normal. In the eastern region, Kirakira and Lata recorded below normal rainfall. For the western region, Munda recorded normal rainfall and below normal for Taro.

### **Accumulated rainfall for January to March 2016, including outlook verification:**

Below normal rainfall was forecasted for the country.

Observed rainfall at Honiara in the central region, Kirakira and Lata in the eastern region were Consistent. Auki in the central region, as well as Munda and Taro in the western region were Near Consistent. Henderson was In- Consistent.

Above normal rainfall was recorded at Henderson, normal at Auki and below normal at Honiara, Kirakira, Lata, Munda and Taro.

### **Outlooks for May to July 2016:**

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

The outlook favours below normal rainfall for Auki, Henderson, Honiara, Kirakira and Lata. Above normal rainfall is likely for Munda and Taro.

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

The rainfall outlook for Honiara, Kirakira, Lata and Munda is likely to be below normal and for Taro the likely outcome is above normal.

**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:  $X \geq 35$