

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 107

**Country Name: SOLOMON ISLANDS**

### TABLE 1: Monthly Rainfall

Station (include data period)			July 2016				
	May 2016 Total	June 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Auki (1962 – 2016)	298	54	261	189	253	214	37 of 55
Henderson (1975 – 2016)	80	31	104	73	108	92	25 of 42
Honiara (1954 – 2016)	96	30	103	65	108	95	39 of 61
Kirakira (1965 – 2016)	347	171	379	246	401	336	30 of 50
Lata (1975 – 2016)	361	156	337	292	391	332	22 of 42
Munda (1962 – 2016)	122	257	189	231	403	294	10 of 55
Taro (1975 – 2016)	379	232	331	280	352	316	23 of 38

### TABLE 2: Three-monthly Rainfall

**May 2016 to July 2016**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #103]

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)	612	541	684	611	28 of 54	46/19/35(-1.2)	Near consistent
Henderson (1975 – 2016)	214	253	319	279	8 of 41	65/23/12(2.5)	Consistent
Honiara (1954 – 2016)	229	268	339	294	14 of 61	75/9/16(4.9)	Consistent
Kirakira (1965 – 2016)	897	734	965	864	28 of 50	78/17/5(11.8)	Near Consistent
Lata (1975 – 2016)	855	870	1162	986	14 of 42	63/8/29(0.0)	Consistent
Munda (1962 – 2016)	569	719	999	872	8 of 55	31/29/40(-2.3)	Inconsistent
Taro (1975 – 2016)	942	760	926	852	27 of 37	28/27/45(-2.8)	Consistent

Period: \*below normal/normal/above normal

Predictors and Period used for April to June 2016 Outlooks (refer to OCOF #103):

**Predictor: 1 month NINO3.4 Extended SST Anomalies March 2016.**

\* 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 September to November 2016.**

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

Station	<b>Below Median (prob)</b>	<b>Median Rainfall (mm)</b>	<b>Above Median (prob)</b>		<b>LEPS</b>	<b>Hit-rate</b>
Auki	<b>51</b>	641	49		11.6	63.5
Henderson	<b>49</b>	358	<b>51</b>		8.2	63.4
Honiara	<b>51</b>	360	49		11.4	62.1
Kirakira	<b>50</b>	756	<b>50</b>		8.3	62.2
Lata	<b>49</b>	1059	<b>51</b>		8.1	56.1
Munda	<b>51</b>	704	49		0.7	50.0
Taro	<b>48</b>	788	<b>52</b>		7.3	58.3

Station	<b>Below Normal (prob)</b>	<b>33% ile rainfall (mm)</b>	<b>Normal (prob)</b>	<b>66% ile rainfall (mm)</b>	<b>Above Normal (prob)</b>	<b>LEPS</b>	<b>Hit-rate</b>
Auki	<b>32</b>	588	<b>34</b>	692	<b>34</b>	7.1	32.7
Henderson	<b>31</b>	290	<b>36</b>	389	<b>33</b>	11.5	48.8
Honiara	<b>33</b>	305	<b>35</b>	411	<b>32</b>	5.6	48.3
Kirakira	<b>28</b>	640	<b>36</b>	852	<b>36</b>	10.3	40.0
Lata	<b>31</b>	967	<b>36</b>	1233	<b>33</b>	10.1	43.9
Munda	<b>33</b>	646	<b>34</b>	783	<b>33</b>	2.3	33.3
Taro	<b>31</b>	741	<b>35</b>	840	<b>34</b>	2.4	25.0

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for September to November 2016.**

Station	<b>Lower Tercile (prob)</b>	<b>33% ile rainfall (mm)</b>	<b>Middle Tercile (prob)</b>	<b>66% ile rainfall (mm)</b>	<b>Upper Tercile (prob)</b>		
Honiara	<b>18</b>	269	<b>15</b>	407	<b>67</b>		
Kirakira	<b>18</b>	487	<b>21</b>	824	<b>61</b>		
Lata	<b>15</b>	874	<b>30</b>	1223	<b>55</b>		
Munda	<b>15</b>	582	<b>15</b>	745	<b>70</b>		
Taro	<b>49</b>	693	<b>18</b>	810	<b>33</b>		

## **Summary Statements**

### **Rainfall for July 2016:**

Rainfall was normal for most parts of the country during the month.

In the central region Auki recorded above normal rainfall while Honiara and Henderson normal rainfall. For the eastern region both Kirakira and Lata recorded normal rainfall. For the western region, Munda recorded below normal and Taro recorded normal rainfall.

Kirakira recorded the highest rainfall of 379 mm and Honiara recorded the lowest rainfall of 103 mm for the month.

### **Accumulated rainfall for May to July 2016, including outlook verification:**

Below normal rainfall was forecasted for most parts of the country.

Observed rainfall at Henderson, Honiara, Lata and Taro were consistent with their outlooks. Auki in the central region and Kirakira in the eastern region were near consistent. Munda in the western region was Inconsistent.

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

### **Outlooks for September to November 2016:**

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

The outlooks offer little guidance for September to November 2016 as the chances of below normal, normal and above normal rainfall are similar.

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

The rainfall outlook for Honiara, Kirakira, Lata and Munda favours above normal and below normal is favoured for 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:  $X \geq 35$