

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 92

**Country Name: SOLOMON ISLANDS**

### TABLE 1: Monthly Rainfall

Station (include data period)	April 2015						
	February 2015 Total	March 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Auki (1962 – 2015)	229	765	204	218	267	251	18 of 54
Henderson (1975 – 2015)	217	190	234	107	179	151	34 of 41
Honiara (1954 – 2015)	219	216	160	135	204	159	31 of 61
Kirakira (1965 – 2015)	93	294	339	202	318	233	35 of 49
Lata (1975 – 2015)	327	922	411	264	369	323	31 of 40
Munda (1962 – 2015)	617	708	228	230	300	270	18 of 54
Taro (1975 – 2014)	264	147	153	235	364	304	3 of 40

### TABLE 2: Three-monthly Rainfall February 2015 to April 2015

[Please note that the data used in this verification should be sourced from table 3 of OCOF #88]

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 – 2015)	1198	910	1096	1023	43 of 54	39/28/33(-1.1)	In Consistent
Henderson (1975 – 2015)	642	607	795	704	17 of 41	49/40/11(24.4)	Near Consistent
Honiara (1954 – 2015)	596	678	863	795	11 of 61	51/32/17(18.5)	Consistent
Kirakira (1965 – 2015)	726	908	1103	998	10 of 47	50/38/12(24.6)	Consistent
Lata (1975 – 2015)	1661	1032	1272	1168	38 of 40	45/44/11(20.3)	In Consistent
Munda (1962 – 2015)	1554	951	1127	1042	54 of 54	25/41/34(0.7)	Near Consistent
Taro (1975 – 2014)	564	790	934	840	5 of 39	37/43/20(5.0)	Near Consistent

Period: \*below normal/normal/above normal

Predictors and Period used for February to April 2015 Outlooks (refer to OCOF #88):

**Predictor: SST 1&9 – 1 month**

\* 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 June to August 2015.**

**Predictors and Period used: 1 month NINO3.4 Extended SST Anomalies April 2015.**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Auki	47	605	53		-1.9	44.2
Henderson	70	248	30		4.9	62.5
Honiara	51	270	49		-1.7	41.4
Kirakira	71	882	29		7.8	66.0
Lata	50	1018	50		-2.6	27.5
Munda	43	852	57		-0.9	58.5
Taro	55	879	45		-2.3	55.6

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Auki	41	553	17	671	42	-1.9	26.9
Henderson	50	229	31	309	19	5.2	47.5
Honiara	41	235	23	329	36	-1.9	20.7
Kirakira	75	703	12	980	13	14.2	40.4
Lata	46	859	24	1204	30	-0.2	47.5
Munda	21	760	33	980	46	1.2	43.4
Taro	29	812	43	923	28	-3.0	30.6

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for June to August 2015**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Honiara	46	199	30	307	24		
Kirakira	64	544	30	909	6		
Lata	42	762	53	1227	5		
Munda	60	728	13	988	27		
Taro	33	748	24	898	43		

## **Summary Statements**

### **Rainfall for April 2015:**

The southern part of the central region and the eastern region recorded normal to above normal rainfall while in the north central region and the western region the rainfall is below normal during the month.

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

### **Accumulated rainfall for February to April 2015, including outlook verification:**

Observed rainfall at Honiara in the central region and Kirakira in the eastern region were consistent with their outlooks. Henderson in the central region, Munda and Taro in the western region were Near Consistent while Auki in the central region and Lata in the eastern region were In- Consistent.

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

### **Outlooks for June to August 2015:**

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

The likely outcome for Henderson, Honiara, Kirakira and Lata is below normal rainfall. Normal rainfall is likely for Taro and above normal for Munda. For Auki, the rainfall outlook is mixed as the chances of below normal and above normal are similar with normal the least likely.

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

The rainfall outlook for Honiara, Kirakira and Munda is likely to be below normal, normal at Lata and above normal at 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:  $X \geq 35$