Pacific Islands - Online Climate Outlook Forum (OCOF) No. 97

Country Name: SOLOMON ISLANDS

TABLE 1: Monthly Rainfall

Station (include data period)	July 2015 Total	August 2015 Total	September 2015				
			Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Auki (1962 – 2015)	396	124	**138**	168	237	195	9 of 53
Henderson (1975 – 2015)	252	28	**85**	52	114	74	22 of 41
Honiara (1954 – 2015)	219	12	**61**	67	114	79	15 of 60
Kirakira 1965 – 2015)	903	71	**118**	189	302	224	7 of 47
Lata (197 5– 2015)	237	176	**255**	320	382	348	9 of 41
Munda (1962 – 2015)	189	76	**199**	209	278	235	17 of 54
Taro (1975 – 2015)	344	163	**162**	238	292	261	4 of 39

TABLE 2: Three-monthly Rainfall
July to September 2015
[Please note that the data used in this verification should be sourced from table 3 of OCOF #93]

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)	**658**	569	708	605	28 of 53	35/**36**/29	Consistent
Henderson (1975 – 2015)	**365**	225	316	248	35 of 41	**42**/28/30	Inconsistent
Honiara (1954 – 2015)	**293**	242	326	270	33 of 59	40/18/**42**	Near consistent
Kirakira 1965 – 2015)	**1093**	719	1043	882	34 of 46	**61**/21/18	Inconsistent
Lata (197 5– 2015)	**668**	923	1206	1113	4 of 41	34/**41**/23	Near consistent
Munda (1962 – 2015)	**464**	764	922	852	3 of 54	29/26/**45**	Inconsistent
Taro (1975 – 2015)	**670**	862	986	914	5 of 37	**49**/26/25	Consistent

Period:*below normal/normal/above normal

Predictors and Period used for July to September 2015 Outlooks (refer to OCOF #93):

Predictor: May Nino 3.4 extended -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 SCOPIC for November 2015 to January 2016.

<u>Predictors and Period used</u>: 1 month NINO3.4 Extended SST Anomalies September 2015.

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Auki	87	879	13		12.7	64.7
Henderson	93	574	7		20.1	75.0
Honiara	89	576	11		16.0	72.4
Kirakira	90	796	10		16.4	67.4
Lata	82	1118	18		7.9	55.0
Munda	61	862	39		-1.9	37.7
Taro	80	699	20		6.4	62.9

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Auki	81	778	17	971	2	21.1	52.9
Henderson	78	445	21	661	1	27.3	57.5
Honiara	84	510	13	642	3	19.4	51.7
Kirakira	87	702	11	925	2	20.7	56.5
Lata	50	1046	42	1217	8	3.8	25.0
Munda	45	818	34	978	21	0.4	37.7
Taro	89	599	5	780	6	15.1	42.9

TABLE 4: Seasonal Climate Outlooks using POAMA2 for November 2015 to January 2016.

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Honiara	79	362	5	605	16		
Kirakira	95	518	5	861	0		
Lata	91	1020	5	1161	4		
Munda	76	755	5	875	19		
Taro	42	451	6	715	52		

Summary Statements

Rainfall for September 2015:

Rainfall is below normal in most parts of the country during the month. All the met stations in the eastern, central and western region recorded below normal rainfall.

Lata in the eastern region recorded the highest rainfall total of 176 mm for the month.

Accumulated rainfall for July to September 2015, including outlook verification:

Below normal rainfall was forecasted for Henderson, Kirakira and Taro, normal for Auki and Lata and above normal for Honiara and Munda.

Observed rainfall at Auki in the central region and Taro in the western region was consistent with their outlooks, Honiara and Lata were near consistent and the rest of the stations were inconsistent.

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

Outlooks for November 2015 to January 2016:
1. SCOPIC:

The outlooks for Auki, Henderson, Honiara, Kirakira, Lata, Munda and Taro favour below normal rainfall.

2. POAMA:

The rainfall outlooks for Honiara, Kirakira, Lata and Munda favour below normal while Taro favour above normal.

NB: The X LEPS % score has been categorised as follows:

Very Low: X < 0.0   Low: 0 ≤ X < 5   Moderate 5 ≤ X < 10   Good: 10 ≤ X < 15   High: 15≤ X < 25

Very High: 25 ≤X < 35   Exceptional: X ≥ 35