Pacific Islands - Online Climate Outlook Forum (OCOF) No. 89

Country Name: **Solomon Islands.**

TABLE 1: Monthly Rainfall

Station (include data period)	November 2014 Total	December 2014 Total	January 2015				
			Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Auki (1962 – 2015)	175	362	**573**	294	421	347	45 of 54
Henderson (1975 – 2015)	41	164	**268**	170	260	211	29 of 41
Honiara (1954 – 2015)	21	134	**353**	190	296	237	49 of 60
Kirakira 1965 – 2015)	111	92	**284**	231	421	319	20 of 48
Lata (197 5– 2015)	480	309	**331**	345	489	381	13 of 41
Munda (1962 – 2015)	270	99	**606**	287	415	369	44 of 54
Taro (1975 – 2014)	218	196	**366**	214	263	238	35 of 38

TABLE 2: Three-monthly Rainfall
November 2014 to January 2015
[Please note that the data used in this verification should be sourced from table 3 of OCOF #85]

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 – 2014)	1110	740	940	840	40 of 51	18/36/46(33.9)	Consistent
Henderson (1975 – 2014)	473	442	597	527	15 of 40	38/23/39(29.1)	Near Consistent
Honiara (1954 – 2014)	508	546	702	613	19 of 58	22/38/40(23.9)	In Consistent
Kirakira 1965 – 2014)	487	855	1011	903	7 of 46	20/39/41(17.9)	In Consistent
Lata (197 5– 2014)	1120	995	1181	1108	21 of 40	13/40/47(11.1)	Near Consistent
Munda (1962 – 2014)	975	807	1008	925	33 of 53	35/25/40(0.6)	Near Consistent
Taro (1975 – 2014)	780	765	918	860	23 of 35	26/38/36(17.1)	Consistent

Period:*below normal/normal/above normal

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[*] Forecast is <u>consistent</u> when observed and predicted (tercile with the highest probability) categories coincide (are in the same tercile).

Forecast is <u>near-consistent</u> 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 <u>inconsistent</u> when observed and predicted (tercile with the highest probability) differ by two categories (i.e. terciles 1 and 3).

Predictor: SST 1&9

TABLE 3: Seasonal Climate Outlooks using SCOPIC for
March to May 2015

Predictors and Period used: December Nino 3.4 extended -1 month

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Auki	50	840	50		0.4	55.8
Henderson	51	527	49		1.8	59.0
Honiara	55	613	45		4.3	58.3
Kirakira	57	903	43		-2.6	51.1
Lata	78	1108	22		25.3	74.4
Munda	42	925	58		-2.0	49.1
Taro	70	860	30		4.0	62.2

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	66%ile Rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Auki	36	740	31	940	33	-1.7	38.5
Henderson	43	442	46	597	11	14.3	51.3
Honiara	38	546	37	702	25	2.7	45
Kirakira	37	855	36	1011	27	0.9	40.4
Lata	44	995	39	1181	17	17.8	48.7
Munda	36	807	37	1008	27	0.3	39.6
Taro	40	765	33	918	27	2.9	35.1

TABLE 4: Seasonal Climate Outlooks using POAMA2 for

March to May 2015

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Honiara	73	642	9	801	18		
Munda	67	937	21	1260	12		
Taro	52	793	24	944	24		

Summary Statements

Rainfall for January 2015:

Above normal rainfall was recorded for most parts of the country during the month.

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

For the month lowest rainfall of 268 mm was recorded at Henderson while Munda recorded the highest rainfall of 606 mm.

Accumulated rainfall for November 2014 to January 2015, including outlook verification:

Normal to above normal rainfall was forecasted for most parts of the country.

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

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

Outlooks for March to May 2015:
1. SCOPIC:
Below normal to normal rainfall is most likely for most parts of the country.

The likely outcome for Lata and Taro is below normal rainfall with normal the next most likely. For Honiara, Henderson, Kirakira and Munda there is a near equal likelihood of below normal and normal rainfall. For Auki, there is little guidance for the coming season as the chances of below normal, normal and above normal rainfall are similar.

2. POAMA:

The rainfall outlook for Honiara in the central region as well as Munda and Taro in the western region shows the most likely outcome is below normal rainfall.

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