

Pacific Islands - Online Climate Outlook Forum No: 81

Country Name: SOLOMON ISLANDS

TABLE 1: Monthly Rainfall

Station (include data period)	MAY 2014						
	March 2014 Total	April 2014 Total	Total (mm)	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Auki (1962 – 2014)	250	504	365	169	245	215	50 of 52
Henderson (1975 – 2014)	287	553	104	76	139	109	19 of 39
Honiara (1954 – 2014)	302	952	91	86	144	123	23 of 60
Kirakira 1965 – 2014)	265	620	178	226	349	267	10 of 48
Lata (1975 – 2014)	297	258	256	292	375	329	11 of 40
Munda (1962 – 2014)	151	614	239	202	286	246	26 of 53
Taro (1975 – 2014)	109	336	241	232	301	264	14 of 37

TABLE 2: Three-monthly Rainfall March to May 2014

Stations	Three-month Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking	Forecasted probs. * (Include LEPS)	Verification (Consistent, Near-consistent Inconsistent?)
Auki (1962 – 2014)	1119	736	937	826	46 of 52	41/27/32 (-3.1)	Inconsistent
Henderson (1975 – 201)	944	440	594	524	38 of 39	35/26/39 (13.0)	Consistent
Honiara (1954 – 2014)	1345	544	685	613	Highest of 60	32/32/36 (1.0)	Consistent
Kirakira 1965 – 2014)	1063	854	1000	900	33 of 47	31/42/27 (0.4)	Near consistent
Lata (1975 – 2014)	811	999	1183	1120	4 of 39	44/43/13 (16.9)	Consistent
Munda (1962 – 2014)	1004	807	1010	920	35 of 53	29/35/36 (-2.1)	Near consistent
Taro (1975 – 2014)	686	795	924	870	8 of 37	40/30/30 (-1.4)	Consistent

* 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).

Predictor: SST 1&9

Period: *below normal/normal/above normal

TABLE 3: Seasonal Climate Outlooks for July to September 2014

Predictors and Period used: May SST 1 & 9 – one month

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Auki	47	625	53		-0.7	56.9
Henderson	45	288	55		-4.7	23.1
Honiara	47	283	53		-2.2	50.9
Kirakira	44	887	56		-2.1	52.3
Lata	56	1119	44		-4.9	30.8
Munda	36	846	64		2.1	59.6
Taro	29	916	71		0.2	57.1

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	66%ile Rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Auki	39	583	28	710	33	-3.5	19.6
Henderson	13	226	60	319	27	-3.9	25.6
Honiara	14	246	62	331	24	0.0	43.9
Kirakira	45	736	25	1050	30	-1.2	27.3
Lata	14	918	57	1207	29	-2.3	35.9
Munda	24	762	40	939	36	-3.3	32.7
Taro	23	868	34	990	43	-3.7	37.1

TABLE 4: Seasonal Climate Outlooks using POAMA2 for July – September 2014

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)
Honiara	30	199	30	307	40
Munda	36	728	28	988	36
Taro	43	748	24	898	33

Summary Statement:

May 2014 rainfall:

Rainfall in May was normal in most parts of the country.

Central region – Henderson, Honiara and Western region – Munda and Taro recorded normal rainfall while eastern region – Kirakira and Lata recorded below normal rainfall. Above normal rainfall was recorded in Auki, northern parts of central region.

All sites in eastern, central and western regions recorded below median rainfall except for Auki in the northern central region.

March to May 2014 rainfall: (Include a summary statement on verification)

Mix climate outlook was likely for Solomon Islands for the period – March to May 2014.

As a result of forecast verification, Henderson and Honiara (central), Lata (eastern) and Taro (western) regions were consistent to their forecast while Kirakira (eastern) and Munda (western)

was near consistent. Only Auki in the northern central region was inconsistent to its forecast for the period.

Central region sites and far eastern parts of eastern region recorded above normal rainfall while Taro (western) and Lata (eastern) regions recorded below normal and Munda, western region recorded normal rainfall.

Climate Outlooks for July - September 2014:

1. SCOPIC:

Climate outlook for the period – July to September 2014 is likely to be normal to below normal in most parts of Solomon Islands.

Henderson, Honiara – central, Lata – eastern and Munda – western regions is likely to be normal while Auki in the northern central region and Kirakira in the eastern region are likely to be below normal for the period. Only Taro in the western region is likely to be above.

The rainfall outlook trend for the period is consistent with the outlook of the ENSO condition in the Tropical Pacific.

2. POAMA:

A mix climate outlook for the POAMA forecast for Solomon Islands for the period.

Central region - Honiara is likely to be above normal while Munda has an equal chance of below and above normal and Taro in the western region is likely to be below normal for the period.

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: $X \geq 35$