

Pacific Islands - Online Climate Outlook Forum No: 74

Country Name: SOLOMON ISLANDS

TABLE 1: Monthly Rainfall

Station (include data period)	OCTOBER 2013						
	August 2013 Total	September 2013 Total	Total (mm)	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Auki (1962 – 2013)	169	194	327	166	236	194	45 of 51
Henderson (1975 – 2013)	74	35	234	60	129	102	37 of 39
Honiara (1954 – 2013)	96	96	190	79	162	111	44 of 57
Kirakira 1965 – 2013)	239	125	346	164	310	205	36 of 46
Lata (1975 – 2013)	536	1404	736	311	451	362	Highest of 39
Munda (1962 – 2013)	257	219	272	206	255	225	39 of 52
Taro (1975 – 2013)	293	340	241	237	296	252	15 of 35

**TABLE 2: Three-monthly Rainfall
August to October 2013**

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 – 2013)	690	527	703	613	31 of 51	22:42:36 (-2.2)	Consistent
Henderson (1975 – 2013)	343	255	327	289	27 of 39	23:45:32 (-1.7)	Near consistent
Honiara (1954 – 2013)	382	267	365	315	40 of 50	35:33:32 (-3.8)	Inconsistent
Kirakira 1965 – 2013)	710	668	965	817	17 of 43	24:32:44 (-0.5)	Near consistent
Lata (1975 – 2013)	2676	927	1151	1054	Highest of 39	26:47:27 (-5.5)	Near consistent
Munda (1962 – 2013)	748	679	818	752	26 of 52	27:26:47 (1.8)	Near consistent
Taro (1975 – 2013)	874	794	899	850	21 of 34	19:45:36 (2.6)	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 December 2013 to February 2014

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

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Auki	39	1023	61		13.2	67.3
Henderson	51	677	49		21.2	71.1
Honiara	38	703	62		15.0	64.3
Kirakira	21	968	79		27.6	74.4
Lata	32	1144	68		5.9	55.3
Munda	58	1094	42		-2.9	43.1
Taro	60	666	40		4.6	61.8

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	66%ile Rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Auki	28	888	23	1169	49	10.5	51.0
Henderson	25	568	16	835	59	25.6	65.8
Honiara	27	609	25	862	48	17.8	50.0
Kirakira	26	799	22	1108	52	21.8	58.1
Lata	9	1080	46	1252	45	16.8	50.0
Munda	40	924	25	1223	35	-2.5	31.4
Taro	48	622	41	751	11	8.9	38.2

TABLE 4: Seasonal Climate Outlooks using POAMA2 for December 2013 – February 2014

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)
Honiara	23	496	47	708	30
Munda	27	871	43	1213	30
Taro	33	618	40	774	27

Summary Statement:

October 2013 rainfall:

Above normal rainfall was recorded in most parts of the country in October 2013.

Central, eastern and southeast parts of the western region recorded above normal rainfall while northwest parts of western region recorded normal rainfall during the month.

The rainfall total received during the month was resulted from the South Pacific Convergence Zone activities over parts of western, central and eastern regions.

August to October 2013 rainfall: (Include a summary statement on verification)

Climate outlook for the period – August to October 2013 was normal to above condition with low to very low skills.

As a result of verification for the period, Henderson (central), Kirakira, Lata (eastern) and Munda (western) were near consistent to their forecast while Auki (central) and Taro (western) was consistent. Honiara (central) was inconsistent to its forecast for the period.

Climate Outlooks for November 2013 – January 2014:

1. SCOPIC:

Solomon Islands climate outlook for the period is of mixture likelihood. Normal to above normal is likely for the central and eastern region while below normal is likely for the western region.

Auki, Henderson, Honiara and Kirakira are likely above normal while Lata is likely to be normal. Munda and Taro is likely to be below normal for the period. The outlook skills are generally good to high. Similar prediction is also likely for median forecast.

The outlook is consistent with the current trend of the ENSO condition in the Tropical Pacific region.

2. POAMA:

The Climate outlook for Solomon Islands using the dynamical model POAMA is likely to be 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: $X \geq 35$