

Pacific Islands - Online Climate Outlook Forum No: 73

Country Name: SOLOMON ISLANDS

TABLE 1: Monthly Rainfall

Station (include data period)	SEPTEMBER 2013						
	July 2013 Total	August 2013 Total	Total (mm)	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Auki (1962 – 2013)	345	169	194	168	243	200	24 of 51
Henderson (1975 – 2013)	105	74	35	56	114	80	6 of 39
Honiara (1954 – 2013)	108	96	96	68	114	79	35 of 58
Kirakira 1965 – 2013)	558	239	125	201	306	229	7 of 45
Lata (1975 – 2013)	533	536	1404	306	380	348	Highest of 39
Munda (1962 – 2013)	575	257	219	207	271	236	21 of 52
Taro (1975 – 2013)	289	293	340	235	291	258	29 of 37

TABLE 2: Three-monthly Rainfall July to September 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)	709	576	706	619	34 of 51	39:28:33(-3.2)	Inconsistent
Henderson (1975 – 2013)	214	231	323	288	12 of 39	24:47:29(-2.9)	Near consistent
Honiara (1954 – 2013)	300	244	336	283	33 of 57	24:50:26(0.2)	Consistent
Kirakira 1965 – 2013)	922	735	1058	875	26 of 44	28:41:31(-1.9)	Consistent
Lata (1975 – 2013)	2474	912	1202	1113	Highest of 39	25:39:36(-2.8)	Near consistent
Munda (1962 – 2013)	1050	756	905	843	42 of 52	31:41:28(-3.3)	Near consistent
Taro (1975 – 2013)	923	866	995	914	19 of 35	20:42:38(-3.7)	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 1 month

Period: *below normal/normal/above normal

TABLE 3: Seasonal Climate Outlooks for November 2013 to January 2014

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

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Auki	20	879	80		26.2	71.4
Henderson	16	574	84		30.0	76.3
Honiara	22	576	78		24.3	69.3
Kirakira	23	816	77		18.8	70.5
Lata	17	1119	83		19.1	73.7
Munda	51	855	49		-3.8	37.3
Taro	40	688	60		3.9	66.7

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	66%ile Rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Auki	8	778	29	969	63	34.4	63.3
Henderson	15	440	9	660	76	29.9	63.2
Honiara	9	511	33	639	58	27.1	53.6
Kirakira	5	708	28	936	67	30.9	52.3
Lata	9	1046	34	1274	57	14.6	44.7
Munda	27	810	26	977	47	0.0	39.2
Taro	12	575	35	772	53	12.5	51.5

TABLE 4: Seasonal Climate Outlooks using POAMA2 for November 2013 – January 2014

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)
Honiara	13	362	40	605	47
Munda	10	755	30	875	60
Taro	30	451	37	715	33

Summary Statement:

September 2013 rainfall:

Normal to below rainfall was recorded in most parts of the country during the month.

Eastern region: Normal rainfall was recorded in Lata and below normal in Kirakira.

Central region: Normal rainfall was recorded in Auki and Honiara while below normal rainfall in Henderson/Honiara international Airport.

Western region: Munda recorded above normal rainfall while Taro recorded normal rainfall.

The rainfall received during the month across the country was resulted from the weakening of the South Pacific Convergence Zone over the Islands.

July to September 2013 rainfall: (Include a summary statement on verification)

Forecast for the period was predicted for normal condition in most parts of the country however, with very low skills.

As a result of verification of forecast for the period:

Eastern region: Kirakira was consistent to its forecast while Lata was near consistent.

Central region: Honiara was consistent while Henderson was near consistent and Auki was inconsistent to its forecast.

Western region: Munda was near consistent while Taro was consistent to its forecast for the period.

The rainfall received during the period was consistent with the neutral ENSO condition observed.

Climate Outlooks for November 2013 – January 2014:

1. SCOPIC:

The climate outlook for the period is most likely to be above normal in most part of Solomon Islands.

Eastern, Central and Western regions are most likely to be above normal for the period.

2. POAMA:

For POAMA dynamical model, the climate outlook for Honiara is likely to be above normal in the central region, most likely above normal for Munda and Climatology for Taro in the western region.

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: $X \geq 35$