

# Pacific Islands - Online Climate Outlook Forum No: 69

**Country Name: SOLOMON ISLANDS**

**TABLE 1: Monthly Rainfall**

Station (include data period)	MAY 2013						
	March 2012 Total	April 2013 Total	Total (mm)	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Auki (1962 – 2013)	967	187	234	167	246	214	30 of 51
Henderson (1975 – 2013)	641	230	72	82	140	110	12 of 38
Honiara (1954 – 2013)	594	214	87	86	148	123	21 of 59
Kirakira (1965 – 2013)	491	176	264	225	350	268	23 of 47
Lata (1975 – 2013)	860	229	301	284	381	334	14 of 39
Munda (1962 – 2013)	623	206	202	212	292	247	17 of 52
Taro (1975 – 2013)	286	376	154	241	307	264	2 of 36

**TABLE 2: Three-monthly Rainfall  
March to May 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)	1388	732	936	825	Highest of 51	40:29:31 (-3.1)	Inconsistent
Henderson (1975 – 2013)	943	437	590	520	37 of 38	35:38:27 (13.0)	Near consistent
Honiara (1954 – 2013)	895	543	672	609	52 of 59	36:34:30 (1.0)	Inconsistent
Kirakira (1965 – 2013)	931	853	1006	898	26 of 46	33:39:28 (0.4)	Consistent
Lata (1975 – 2013)	1390	996	1180	1108	33 of 38	45:43:12 (16.9)	Inconsistent
Munda (1962 – 2013)	1031	805	999	914	40 of 52	31:34:35 (-2.1)	Consistent
Taro (1975 – 2013)	816	780	930	880	14 of 36	40:29:31 (-1.4)	Near 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 2013

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

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Auki	55	619	45		-1.2	54.0
Henderson	47	288	53		-4.6	31.6
Honiara	49	283	51		-1.6	53.6
Kirakira	44	875	56		-2.6	51.2
Lata	55	1113	45		-4.5	42.1
Munda	50	843	50		0.6	58.8
Taro	36	914	64		1.8	55.9

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	66%ile Rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Auki	39	576	28	706	33	-3.2	26.0
Henderson	24	231	47	323	29	-2.9	31.6
Honiara	24	244	50	336	26	0.2	48.2
Kirakira	28	735	41	1058	31	-1.9	23.3
Lata	25	912	39	1202	36	-2.8	42.1
Munda	31	756	41	905	28	-3.3	39.2
Taro	20	866	42	995	38	-3.7	38.2

### TABLE 4: Seasonal Climate Outlooks using POAMA2 for July – September 2013

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Honiara	20	188	50	322	30		

#### Summary Statement:

##### May 2013 rainfall:

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

Auki, Honiara, Kirakira and Lata recorded normal rainfall while Henderson, Munda and Taro recorded below normal rainfall. Most sites also recorded below median rainfall for the month.

##### March to May 2013 rainfall: (Include a summary statement on verification)

Normal to below normal was the climate outlook in most parts of the country except for Munda which was climatology for the period – March to May 2013.

As a result of forecast verification, Kirakira (eastern) and Munda (western) were consistent to their forecast while Henderson and Taro were near consistent. Auki, Honiara (central) and Lata (eastern) region were inconsistent for the period. During the period Auki recorded the highest seasonal total rainfall of 1389mm for the period for the month.

##### Outlooks for July – September 2013:

#### 1. SCOPIC:

Climate outlook for the period – July to September 2013 is likely to be normal for most parts of the Solomon Islands. The forecast skills for the period are generally very low.

Henderson, Honiara (central), Kirakira, Lata (eastern), Munda and Taro (western) regions are likely to be normal while no rainfall guidance is likely for Auki in the central region. Similar scenario is also likely for the median forecast.

## 2. POAMA:

Climate outlook for Solomon Islands Honiara is likely to be normal using POAMA model. The forecast is consistent to the SCOPIC outlook.

**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:  $X \geq 35$