Pacific Islands - Online Climate Outlook Forum No: 82

Country Name: ***SOLOMON ISLANDS***

TABLE 1: Monthly Rainfall

Station (include data period)			JUNE 2014				
	April 2014 Total	May 2014 Total	Total (mm)	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Auki (1962 – 2014)	504	365	**141**	144	216	182	18 of 52
Henderson (1975 – 2014)	553	105	**46**	47	88	64	13 of 40
Honiara (1954 – 2014)	952	91	**44**	53	100	78	15 of 60
Kirakira 1965 – 2014)	620	178	**59**	187	291	243	2 of 48
Lata (1975 – 2014)	258	256	**227**	247	342	290	9 of 40
Munda (1962 – 2014)	614	239	**445**	188	262	222	49 of 53
Taro (1975 – 2014)	336	241	**311**	217	300	248	29 of 39

TABLE 2: Three-monthly Rainfall
April to June 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)	**1010**	589	699	629	Highest of 52	35/**38**/27 (-2.2)	Near consistent
Henderson (1975 – 201)	**704**	298	366	327	Highest of 39	**35**/**35**/30 (5.1)	Near Consistent
Honiara (1954 – 2014)	**1087**	319	447	368	59 of 60	**37**/33/30 (-1.1)	Inconsistent
Kirakira 1965 – 2014)	**857**	685	944	809	28 of 48	32/**44**/24 (9.9)	Consistent
Lata (1975 – 2014)	**741**	863	1061	974	6 of 39	**38**/35/27 (8.4)	Consistent
Munda (1962 – 2014)	**1298**	701	853	768	Highest of 53	**43**/24/33 (2.2)	Inconsistent
Taro (1975 – 2014)	**888**	758	891	840	25 of 37	**44**/14/42 (-2.6)	Near consistent

Predictor: SST 1&9

Period:*below normal/normal/above normal

---

* 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).

TABLE 3: Seasonal Climate Outlooks for August to October 2014

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

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Auki	49	613	51		-4.0	25.5
Henderson	29	292	71		0.2	51.3
Honiara	39	325	61		0.2	49.1
Kirakira	52	798	48		-1.4	51.2
Lata	50	1067	50		-4.6	35.9
Munda	43	749	57		-2.8	55.8
Taro	30	851	70		3.2	55.9

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	66%ile Rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Auki	21	534	***44***	701	35	-1.9	33.3
Henderson	16	260	***47***	335	37	0.3	33.3
Honiara	29	269	***35***	369	***36***	-3.8	19.3
Kirakira	27	675	***37***	964	36	-0.1	39.5
Lata	21	930	***57***	1156	22	-4.9	30.8
Munda	19	681	25	818	***56***	1.7	40.4
Taro	18	803	35	894	***47***	3.0	38.2

TABLE 4: Seasonal Climate Outlooks using POAMA2 for August – October 2014

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)
Honiara	46	188	18	322	36
Munda	55	716	15	887	30
Taro	28	790	36	952	36

Summary Statement:

June 2014 rainfall:

Below normal was recorded in central and eastern region while above normal rainfall was recorded in western region during month of June 2014.

Henderson and Honiara in the central region recorded the least rainfall total of 46 and 44mm respectively, while Munda in the western region recorded the highest monthly total rainfall of 445mm.

The below normal rainfall received during the month over most parts of Solomon Islands was resulted from the suppressed activities of the South Pacific Convergence Zone.

April to June 2014 rainfall: (Include a summary statement on verification)

The climate outlook for the period was normal to below over most parts of Solomon Islands with general moderate skills.

As a result of forecast verification, Honiara – south central region and Munda in the western region were inconsistent to their forecast while Henderson in the central region, Auki – north central region and Taro in the northwest of western region were near consistent. Only eastern region stations – Lata and Kirakira were consistent to their forecast.

Auki, Henderson – central region and Munda – western region recorded the highest seasonal total rainfall during the period.

***Climate Outlooks for August - October 2014*:**

1. ***SCOPIC*:**

   Climate Outlook for Solomon Islands for the period – August to October 2014 is likely to be normal to above normal in most parts of the country.

   Central region – Henderson, Auki and eastern region – Kirakira and Lata is likely to be normal. Western region – Munda and Taro is likely to be above normal for the period. The median forecast shows that most parts of the country is likely to be above median. The outlook offers little guidance for Honiara, as the chances of below normal, normal and above normal rainfall are similar.

   The skills for the forecast are generally very low for all regions in the Solomon Islands.

2. ***POAMA*:**

   The POAMA climate outlook – Honiara in the central region and Munda in the western region is likely to be below normal while Taro in northwest parts of western region shows equal chance of normal and above normal rainfall 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: $X \geq 35$