

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 88

Country Name: SOLOMON ISLANDS

TABLE 1: Monthly Rainfall

Station (include data period)			December 2014				
	October 2014 Total	November 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Auki (1962 – 2014)	343	175	362	207	303	257	41 of 51
Henderson (1975 – 2014)	103	41	164	112	246	171	19 of 40
Honiara (1954 – 2014)	84	21	134	132	245	173	21 of 59
Kirakira 1965 – 2014)	428	111	92	196	337	242	6 of 47
Lata (1975 – 2014)	462	480	309	277	403	353	16 of 40
Munda (1962 – 2014)	480	270	99	216	321	272	3 of 53
Taro (1975 – 2014)	392	218	196	157	234	196	19 of 37

TABLE 2: Three-monthly Rainfall

October to December 2014

[Please note that the data used in this verification should be sourced from table 3 of OCOF #84]

Station	Three-month Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking	Forecast probs.* (include LEPS)	Verification* (Consistent, Near-consistent, Inconsistent?)
Auki (1962 – 2014)	880	612	751	689	37 of 51	27/30/43(19.5)	Consistent
Henderson (1975 – 2014)	308	346	495	411	7 of 40	18/42/40(27.5)	Near consistent
Honiara (1954 – 2014)	239	383	561	446	4 of 57	22/47/31(18.7)	Near Consistent
Kirakira 1965 – 2014)	631	669	850	731	13 of 46	30/40/30(-3.3)	Near consistent
Lata (1975 – 2014)	1251	978	1203	1085	31 of 40	8/48/44(26.9)	Near consistent
Munda (1962 – 2014)	849	715	816	762	41 of 53	36/37/27(4.6)	Near consistent
Taro (1975 – 2014)	806	622	770	692	25 of 35	23/41/36(5.3)	Near consistent

Period: *below normal/normal/above normal

Predictor: SST 1&9

* 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 using SCOPIC for February to April 2015

Predictors and Period used: November Nino 3.4 extended -1 month

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Auki	58	1023	42		3.6	66.0
Henderson	81	704	19		40.8	80.0
Honiara	72	795	28		22.4	73.3
Kirakira	66	998	34		13.1	69.6
Lata	69	1168	31		22.9	69.2
Munda	48	1042	52		-1.6	49.1
Taro	55	840	45		0.3	57.9

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Auki	39	910	28	1096	33	-1.1	37.7
Henderson	49	607	40	795	11	24.4	50.0
Honiara	51	678	32	863	17	18.5	51.7
Kirakira	50	908	38	1103	12	24.6	50.0
Lata	45	1032	44	1272	11	20.3	51.3
Munda	25	951	41	1127	34	0.7	45.3
Taro	37	790	43	934	20	5.0	47.4

TABLE 4: Seasonal Climate Outlooks using POAMA2 for February to April 2015

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Honiara	27	642	49	801	24		
Munda	30	937	46	1260	24		
Taro	33	793	27	944	40		

Summary Statements

Rainfall for December 2014:

Normal to below normal rainfall was recorded across most parts of the country in December.

In the Central region, rainfall was normal for Henderson and Honiara and above normal for Auki. For the eastern region, Kirakira recorded below normal and Lata recorded normal rainfall. In the western region, Munda recorded below normal and Taro recorded normal rainfall.

Accumulated rainfall for October to December 2014, including outlook verification:

Normal rainfall was forecasted for most parts of the country.

Observed rainfalls at Auki in the central region were consistent with their outlooks. Henderson and Honiara in the central region, Kirakira and Lata in the eastern region, Munda and Taro in the western region were near consistent.

Above normal rainfall was recorded for Auki, Lata, Munda and Taro, below normal rainfall for Henderson, Honiara and Kirakira.

Outlooks for February to April 2015:

1. SCOPIC:

Below normal rainfall is most likely for most parts of the country.

The likely outcome for Auki, Henderson and Honiara in the central region and Kirakira in the eastern region is below normal. Lata again in the eastern region is below normal with normal the next most likely. In the western region the likely outcome for Munda and Taro is normal.

2. POAMA:

The climate outlook for Honiara in the central region is normal. For the western region Munda is normal and Taro is above normal rainfall.

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: $X \geq 35$