

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 100

Country Name: SOLOMON ISLANDS

TABLE 1: Monthly Rainfall

Station (include data period)	December 2015						
	October 2015 Total	November 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Auki (1962 – 2015)	181	254	356	209	311	257	41 of 52
Henderson (1975 – 2015)	31	274	433	114	245	171	38 of 41
Honiara (1954 – 2015)	28	111	252	133	245	171	41 of 60
Kirakira 1965 – 2015)	47	351	280	190	334	241	29 of 48
Lata (1975 – 2015)	101	281	528	279	402	352	34 of 41
Munda (1962 – 2015)	240	82	351	211	321	267	46 of 54
Taro (1975 – 2015)	135	237	272	161	231	196	32 of 38

TABLE 2: Three-monthly Rainfall October to December 2015

[Please note that the data used in this verification should be sourced from table 3 of OCOF #96]

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 – 2015)	791	615	771	695	35 of 52	41/17/42	Inconsistent
Henderson (1975 – 2015)	738	343	493	410	36 of 41	50/31/19	Inconsistent
Honiara (1954 – 2015)	392	381	559	443	24 of 58	41/23/36	Near consistent
Kirakira 1965 – 2015)	679	666	839	730	19 of 47	75/12/13	Near consistent
Lata (1975 – 2015)	910	985	1208	1088	10 of 41	46/24/30	Near consistent
Munda (1962 – 2015)	673	716	816	763	13 of 54	21/33/46	Inconsistent
Taro (1975 – 2015)	644	633	782	700	13 of 36	29/43/28	Consistent

Period: *below normal/normal/above normal

Predictors and Period used for October to December 2015 Outlooks (refer to OCOF #96):

Predictor: November Nino 3.4 extended -1 month

* 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 SCOPIK for February to April 2016.**Predictors and Period used: 1 month NINO3.4 Extended SST Anomalies December 2015.**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Auki	71	1024	29		1.8	61.1
Henderson	99	695	1		39.7	80.5
Honiara	95	795	5		21.9	70.5
Kirakira	89	996	11		16.7	72.3
Lata	97	1170	9		19.7	67.5
Munda	43	1043	57		-1.6	50.0
Taro	68	815	32		-0.1	61.5

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Auki	50	914	17	1102	33	-1.4	42.6
Henderson	80	610	19	795	1	23.5	43.9
Honiara	88	665	10	863	2	20.9	50.8
Kirakira	80	869	19	1102	1	25.8	53.2
Lata	59	1036	39	1276	2	18.7	47.5
Munda	12	953	47	1134	40	1.3	46.3
Taro	35	784	60	934	5	5.2	43.6

TABLE 4: Seasonal Climate Outlooks using POAMA2 for February to April 2016.

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Honiara	64	642	5	801	31		
Kirakira	67	711	15	1066	18		
Lata	49	1010	30	1192	21		
Munda	46	937	18	1263	36		
Taro	55	793	5	944	40		

Summary Statements

Rainfall for December 2015:

Above normal rainfall was recorded in the eastern, central and western regions during the month of December 2015.

An active trough that linked to the tropical low in the eastern region contributed to the above normal rainfalls which are higher than their last two months except for Kirakira in the eastern region.

Accumulated rainfall for October to December 2015, including outlook verification:

Below normal rainfall was predicted for central and eastern regions while parts of western regions were likely to be above and normal rainfall.

As a result of observations, Auki, Henderson in the central region and Munda in the western region were inconsistent to their forecast while Kirakira, Lata in the eastern and Honiara in the central were near consistent. Only Taro in the western region was consistent to its forecast.

Outlooks for February to April 2016:

1. Median:

Central, eastern and part of western region is likely to be below median while Munda in the western region is likely to be above median.

2. SCOPIC:

Below normal rainfall is most likely for parts of central and eastern regions for the period – February to April 2015 while western region is likely to normal.

2. POAMA:

Below normal rainfall is likely for central, eastern and western regions for the period – February to April 2015.

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: $X \geq 35$