

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 105

Country Name: SOLOMON ISLANDS

TABLE 1: Monthly Rainfall

Station (include data period)	May 2016						
	March 2016 Total	April 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Auki (1962 – 2016)	469	384	298	173	247	223	46 of 54
Henderson (1975 – 2016)	499	317	80	82	140	109	14 of 41
Honiara (1954 – 2016)	180	265	96	87	148	123	24 of 62
Kirakira (1965 – 2016)	176	260	347	225	350	267	32 of 50
Lata (1975 – 2016)	358	274	361	284	381	329	26 of 42
Munda (1962 – 2016)	307	448	122	211	292	246	5 of 55
Taro (1975 – 2016)	172	250	379	238	305	264	34 of 39

TABLE 2: Three-monthly Rainfall March 2016 to May 2016

[Please note that the data used in this verification should be sourced from table 3 of OCOF #101]

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 – 2016)	1151	742	960	854	49 of 54	42/25/33(-1.7)	In consistent
Henderson (1975 – 2016)	896	446	559	537	37 of 41	38/60/2 (14.8)	Near consistent
Honiara (1954 – 2016)	542	548	699	614	20 of 62	48/42/10(3.7)	Consistent
Kirakira (1965 – 2016)	783	856	1033	909	12 of 49	47/38/15(1.4)	Consistent
Lata (1975 – 2016)	993	996	1184	1120	13 of 41	70/25/5(13.4)	Consistent
Munda (1962 – 2016)	877	808	1010	929	24 of 55	38/45/17(-0.7)	Consistent
Taro (1975 – 2016)	801	736	917	858	15 of 39	57/31/13(3.8)	Near Consistent

Period: *below normal/normal/above normal

Predictors and Period used for March to May 2016 Outlooks (refer to OCOF #101):

Predictor: 1 month NINO3.4 Extended SST Anomalies January 2015.

* 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 SCOPIIC for July to September 2016.

Predictors and Period used: 1 month NINO3.4 Extended SST Anomalies May 2016.

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Auki	46	608	54		-1.8	35.8
Henderson	58	250	42		-0.4	58.5
Honiara	46	274	54		-1.4	44.1
Kirakira	62	885	38		1.5	58.7
Lata	52	993	48		-1.9	48.8
Munda	43	844	57		-0.5	61.1
Taro	54	873	46		-1.8	59.5

Station	Below Normal (prob)	33% ile rainfall (mm)	Normal (prob)	66% ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Auki	32	576	40	703	28	-1.5	32.1
Henderson	41	225	26	323	33	-2.5	31.7
Honiara	36	244	28	325	36	-2.1	18.6
Kirakira	50	735	26	1057	24	3.2	32.6
Lata	38	912	38	1201	24	-1.2	34.1
Munda	38	756	22	905	40	-2.1	35.2
Taro	42	855	29	982	29	-0.9	32.4

TABLE 4: Seasonal Climate Outlooks using POAMA2 for July to September 2016.

Station	Lower Tercile (prob)	33% ile rainfall (mm)	Middle Tercile (prob)	66% ile rainfall (mm)	Upper Tercile (prob)		
Honiara	21	188	6	322	73		
Kirakira	12	570	9	923	79		
Lata	15	835	18	1197	67		
Munda	27	716	6	887	67		
Taro	49	790	18	952	33		

Summary Statements

Rainfall for May 2016:

Rainfall is normal for most parts of the country during the month.

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

Taro recorded the highest rainfall of 379 mm and Henderson recorded the lowest rainfall of 80 mm for the month.

Accumulated rainfall for March to May 2016, including outlook verification:

Below normal rainfall was forecasted for most parts of the country.

Observed rainfall at Honiara, Kirakira, Lata and Munda were Consistent with their outlooks. Henderson in the central region and Taro in the western region were Near consistent. Auki in the central region was In- Consistent.

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

Outlooks for July to September 2016:

1. SCOPIC:

The outlook favours below normal rainfall for Henderson, Kirakira and Taro, normal for Auki and above normal for Munda. Lata favours normal to below normal rainfall and Honiara shows no guidance to its forecast.

2. POAMA:

The rainfall outlook for Honiara, Kirakira Lata and Munda favours above normal and below normal for Taro.

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: $X \geq 35$