

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 117

Country Name: SOLOMON ISLANDS

TABLE 1: Monthly Rainfall

Station (include data period)			May 2017				
	March 2017 Total	April 2017 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Auki (1962 – 2017)	209	374	218	177	248	223	27 of 55
Henderson (1975 – 2017)	166	382	30	76	140	104	5 of 42
Honiara (1954 – 2017)	240	407	96	89	140	120	24 of 63
Kirakira (1965 – 2017)	463	581	269	228	349	269	26 of 51
Lata (1975 – 2017)	321	347	471	301	388	338	35 of 43
Munda (1962 – 2017)	240	223	260	207	285	246	32 of 56
Taro (1975 – 2017)	336	304	354	241	308	278	33 of 40

**TABLE 2: Three-monthly Rainfall
March to May 2017**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #113]

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 – 2017)	801	745	970	862	23 of 55	33/33/34(-2.9)	Near Consistent
Henderson (1975 – 2017)	578	452	619	547	24 of 42	29/34/37(5.7)	Near Consistent
Honiara (1954 – 2017)	743	544	696	613	47 of 63	28/36/36(8.5)	Near Consistent
Kirakira (1965 – 2017)	1313	854	1018	903	44 of 50	27/36/37(9.3)	Consistent
Lata (1975 – 2017)	1139	995	1183	1108	23 of 42	22/39/39(22.3)	Near Consistent
Munda (1962 – 2017)	723	809	1010	925	13 of 56	34/31/35(-2.4)	Inconsistent
Taro (1975 – 2017)	994	751	916	857	33 of 40	31/34/35(3.6)	Consistent

Period: *below normal/normal/above normal

Predictors and Period used for March to May 2017 Outlooks: 1 month NINO3.4 Extended SST Anomalies January 2017.

* 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 from July to Sept 2017.

Predictors and Period used: 1 month NINO3.4 Extended SST Anomalies May 2017.

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Auki	47	641	53		-2.2	44.1
Henderson	55	275	45		0.2	57.1
Honiara	47	283	53		-2.2	44.1
Kirakira	60	875	40		10.0	73.3
Lata	52	1084	48		-2.5	51.4
Munda	55	835	45		0.1	51.4
Taro	51	914	49		-3.1	56.3

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Auki	33	583	39	697	28	-1.4	38.2
Henderson	36	226	31	320	33	-3.2	28.6
Honiara	33	242	39	325	28	-1.4	38.2
Kirakira	40	715	31	1050	29	6.5	46.7
Lata	36	918	39	1197	25	-1.0	37.1
Munda	28	762	34	888	39	1.9	25.7
Taro	40	859	30	990	30	-2.4	37.5

TABLE 4: Seasonal Climate Outlooks using POAMA2 for July to September 2017.

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Honiara	27	188	5	322	68		
Kirakira	33	570	18	923	49		
Lata	21	835	21	1197	58		
Munda	36	716	9	887	55		
Taro	27	790	27	952	46		

Summary Statements

May Rainfall 2017.

Rainfall in May was mainly normal to above normal, except at Henderson which was below normal.

Accumulated rainfall for March to May 2017, including outlook verification:

Rainfalls for the last three months were normal to above normal across country, except Munda which was below normal.

Verification of 3 month outlooks issued in February 2017: consistent or near-consistent, apart from Munda which had an inconsistent outlook.

Outlooks for July to September 2017:

1. SCOPIC:

At Kirakira and Taro the most likely outcome is below normal, while at Lata the chances of below normal or normal are similar. At remaining sites the outlook offers little guidance as the chances of above normal, normal, and below normal rainfall are similar.

2. POAMA:

Generally points to above normal as the most likely throughout the stations for July to September.

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: $X \geq 35$