Pacific Islands - Online Climate Outlook Forum (OCOF) No. 119

Country Name: SOLOMON ISLANDS

TABLE 1: Monthly Rainfall

Station (include data period)	May 2017 Total	June 2017 Total	July 2017				
			Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Auki (1962 – 2017)	218	239	**229**	191.4	260.8	215.0	33/56
Henderson (1975 – 2017)	30	161	**62**	73.4	106.9	92.5	9/43
Honiara (1954 – 2017)	96	185	**50**	66.2	108.0	95.2	14/62
Kirakira 1965 – 2017)	269	392	**477**	246.1	401.6	337.6	41/51
Lata (1975– 2017)	471	554	**340**	293.6	391.0	334.9	23/43
Munda (1962 – 2017)	260	490	**242**	230.1	394.1	293.8	22/56
Taro (1975 – 2017)	258	258	**310**	283.4	349.5	316.2	19/39

TABLE 2: Three-monthly Rainfall
May to July 2017
[Please note that the data used in this verification should be sourced from table 3 of OCOF #115]

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)	**686**	544	678	612	46/55	33/**34**/33(-0.8)	Near Consistent
Henderson (1975 – 2017)	**253**	248	318	277	37/42	32/**36**/32(5.9)	Consistent
Honiara (1954 – 2017)	**331**	265	337	294	33/55	29/**36**/35(17.1)	Consistent
Kirakira 1965 – 2017)	**1138**	740	953	867	45/51	33/**43**/24(19.3)	Near Consistent
Lata (1975– 2017)	**1365**	863	1162	978	41/42	33/33/34(15.6)	Near Consistent
Munda (1962 – 2017)	**992**	706	998	871	45/56	**34/34**/32(-2.8)	Near Consistent
Taro (1975 – 2017)	**826**	762	931	855	30/40	**34/34**/32(-0.5)	Near Consistent

Period:*below normal/normal/above normal

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*Forecast is <u>consistent</u> when observed and predicted (tercile with the highest probability) categories coincide (are in the same tercile).
Forecast is <u>near-consistent</u> 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 <u>inconsistent</u> 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 September to November 2017

Predictors and Period used:

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Auki	55	613	45		-1.3	58.8
Henderson	57	282	43		1.1	57.1
Honiara	48	302	52		-1.3	44.1
Kirakira	60	770	40		5.9	55.2
Lata	53	1079	47		-2.2	45.7
Munda	57	752	43		1.2	45.7
Taro	52	853	48		-2.9	46.9

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	67%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Auki	41	534	30	701	29	0.4	26.5
Henderson	41	245	31	323	28	0.1	28.6
Honiara	41	534	30	701	29	0.4	26.5
Kirakira	46	654	32	951	22	9.3	37.9
Lata	39	930	33	1148	28	1.0	40.0
Munda	43	682	31	818	26	5.2	31.4
Taro	40	803	30	908	30	0.8	34.4

TABLE 4: Seasonal Climate Outlooks using POAMA2 for

September to November 2017

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	67%ile rainfall (mm)	Upper Tercile (prob)		
Honiara	39	269	15	407	46		
Kirakira	30	487	21	824	49		
Lata	30	874	18	1223	52		
Munda	39	582	28	745	33		
Taro	48	693	19	810	33		

Summary Statements

Rainfall for July 2017:

Rainfall in July was mixed with each of below normal, normal and above normal being recorded in some part of the country.

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

Rainfall for the last three months was normal to above normal across the country. Verification of 3 month outlooks issued in March 2017 showed near-consistent to consistent forecasts.

Outlooks for September to November 2017:
1. SCOPIC:

The seasonal rainfall outlook for September to November shows the most likely outcome is below-normal, with normal rainfall the next most likely for nearly all sites; above-normal rainfall is the least likely outcome. At Lata there is little guidance as there is a near-equal likelihood of each category for rainfall outlook for the next three months.

2. POAMA:

At Honiara, Kira Kira and Lata above-normal is the most likely outcome, but at Munda and Taro below-normal is the most likely.

NB: The X LEPS % score has been categorised as follows:

Very Low: X < 0.0   Low: 0 ≤ X < 5   Moderate 5 ≤ X < 10   Good: 10 ≤ X < 15   High: 15≤ X < 25

Very High: 25 ≤X < 35   Exceptional: X ≥ 35