Pacific Islands - Online Climate Outlook Forum (OCOF) No. 120

Country Name: Solomon Islands

TABLE 1: Monthly Rainfall

Station (include data period)			August 2017				
	June 2017 Total	July 2017 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Auki	239	229	157	152.1	236.1	199.3	21/56
Henderson	161	62	40	71.3	101.3	87.0	8/42
Honiara	185	50	43	68.0	102.4	89.2	11/62
Kirakira	392	477	116	192.6	338.0	262.6	6/50
Lata	554	340	299	273.1	405.6	322.9	18/43
Munda	490	242	79	201.9	309.6	261.3	3/56
Taro	258	310	541	260.6	315.4	290.6	36/39

TABLE 2: Three-monthly Rainfall
June to August 2017
[Please note that the data used in this verification should be sourced from table 3 of OCOF #116]

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	625	553.1	682.5	601.5	31/54	**40**/23/37 (-1.3)	Near-consistent
Henderson	263	228.0	309.3	248.4	22/41	**37**/33/30 (1.8)	Near consistent
Honiara	278	222.3	329.7	274.2	31/60	**40**/24/36 (-1.0)	Near consistent
Kirakira	985	690.2	991.2	884.7	33/49	**46**/25/29 (13.3)	Near consistent
Lata	1193	864.0	1187.9	993.0	28/42	**38**/27/35(-1.5)	Inconsistent
Munda	811	754.1	979.1	843.8	25/55	29/34/**37**(0.0)	Near consistent
Taro	1019	816.0	916.0	873.0	28/38	31/**35**/34(-1.8)	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).

Predictors and Period used for March to April 2017 Outlooks (OCOF #116 not applicable):

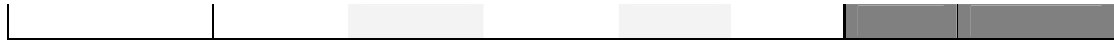## TABLE 3: Seasonal Climate Outlooks using SCOPIC for October to December 2017

Predictors and Period used: Nino 3.4 (July-Aug)

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Auki	48	694.8	52		5.9	58.5
Henderson	47	418.0	53		3.0	59.5
Honiara	48	442.5	52		12.6	69.5
Kirakira	47	715.9	53		10.2	62.5
Lata	47	1082.3	53		5.4	69.0
Munda	49	763.4	51		4.7	61.8
Taro	45	700.1	55		11.7	67.6

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	67%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Auki	27	618.6	38	778.8	35	14.3	50.9
Henderson	30	346.3	35	487.9	35	9.9	52.4
Honiara	33	382.7	36	561.0	32	13.4	45.8
Kirakira	32	669.5	34	833.3	34	0.8	37.5
Lata	20	977.6	40	1203.2	40	17.0	47.6
Munda	27	715.4	37	816.6	36	12.4	54.5
Taro	29	644.0	35	788.0	36	10.3	50.0

TABLE 4: Seasonal Climate Outlooks using POAMA2 for October to December 2017

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	67%ile rainfall (mm)	Upper Tercile (prob)		
Auki							
Henderson							
Honiara	36	308	12	516	52		
Kirakira	24	586	21	759	55		
Lata	33	920	9	1184	57		
Munda	27	684	15	816	58		
Taro	55	558	6	689	39		

Summary Statements

Rainfall for August 2017:

Rainfall recorded was below normal throughout the country except for few Islands.

Accumulated rainfall for June to August 2017, including outlook verification:

Rainfall recorded was normal for the period June-August throughout the country except for Lata and Taro with above normal. Verification for the 3-months outlook is mostly near consistent.

Outlooks for October to December 2017:
1. **SCOPIC:**

There is an equal chance of below normal, normal, and above normal rainfall outlook for October – December for most locations across the country. There is a near equal likelihood of normal and above normal rainfall at Auki, Munda and Lata with below normal the least likely.

2. **POAMA:**

Rainfall outlook for October – December favours above normal across the country with most likely below normal, except for Taro with rainfall forecast favours below normal, with next most likely above normal. POAMA does not produces forecast for Auki and Henderson.

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