

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 106

Country Name: SOLOMON ISLANDS

TABLE 1: Monthly Rainfall

Station (include data period)	June 2016						
	April 2016 Total	May 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Auki (1962 – 2016)	384	298	54	142	208	174	3 of 54
Henderson (1975 – 2016)	317	80	31	46	89	64	8 of 42
Honiara (1954 – 2016)	265	96	30	52	101	78	6 of 62
Kirakira (1965 – 2016)	260	347	171	186	290	242	14 of 50
Lata (1975 – 2016)	274	361	156	246	339	290	5 of 42
Munda (1962 – 2016)	448	122	257	188	281	226	35 of 55
Taro (1975 – 2016)	250	379	232	221	309	248	18 of 41

TABLE 2: Three-monthly Rainfall

April 2016 to June 2016

[Please note that the data used in this verification should be sourced from table 3 of OCOF #102]

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)	734	595	706	659	39 of 54	37/36/27(-1.8)	In consistent
Henderson (1975 – 2016)	428	301	368	333	32 of 41	87/10/3(14.8)	Inconsistent
Honiara (1954 – 2016)	392	326	470	373	35 of 62	70/20/10(3.1)	Near Consistent
Kirakira (1965 – 2016)	778	691	958	820	23 of 50	80/15/5(10.5)	Near Consistent
Lata (1975 – 2016)	791	856	1063	974	9 of 41	44/49/7(3.8)	Near Consistent
Munda (1962 – 2016)	827	707	861	779	33 of 55	32/44/24(-1.9)	Consistent
Taro (1975 – 2016)	861	765	887	840	23 of 39	57/12/31(-1.4)	Near Consistent

Period: *below normal/normal/above normal

Predictors and Period used for April to June 2016 Outlooks (refer to OCOF #102):

Predictor: 1 month NINO3.4 Extended SST Anomalies February 2016.

* 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 August to October 2016.

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

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Auki	54	613	46		-08	52.8
Henderson	54	287	46		-1.6	51.2
Honiara	49	305	51		-1.6	47.5
Kirakira	61	798	39		6.9	60.0
Lata	54	1067	46		-0.1	51.2
Munda	55	750	45		-0.7	44.4
Taro	52	851	48		-2.3	47.2

Station	Below Normal (prob)	33% ile rainfall (mm)	Normal (prob)	66% ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Auki	40	527	31	703	29	0.2	39.6
Henderson	38	248	30	327	32	-1.3	31.7
Honiara	35	260	35	365	30	-1.2	25.4
Kirakira	42	668	35	955	23	5.2	40.0
Lata	40	926	31	1151	29	1.4	36.6
Munda	37	679	34	818	29	-1.1	24.1
Taro	41	794	27	899	32	3.0	55.6

TABLE 4: Seasonal Climate Outlooks using POAMA2 for August to October 2016.

Station	Lower Tercile (prob)	33% ile rainfall (mm)	Middle Tercile (prob)	66% ile rainfall (mm)	Upper Tercile (prob)		
Honiara	12	243	12	363	76		
Kirakira	18	539	15	878	67		
Lata	12	824	28	1115	60		
Munda	12	670	21	801	67		
Taro	48	753	21	890	31		

Summary Statements

Rainfall for June 2016:

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

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

Munda recorded the highest rainfall of 257 mm and Honiara recorded the lowest rainfall of 30 mm for the month.

Accumulated rainfall for April to June 2016, including outlook verification:

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

Observed rainfall at Munda was consistent with its outlook. Honiara in the central region, Kirakira and Lata in the eastern region and Taro in the western region were near consistent. Auki and Henderson in the central region were In- Consistent.

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

Outlooks for August to October 2016:

1. SCOPIC:

The outlook favours below normal rainfall for Auki, Henderson, Kirakira, Lata, Munda and Taro. Honiara favours normal to below normal rainfall.

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: $X \geq 35$