

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 111

Country Name: SOLOMON ISLANDS

TABLE 1: Monthly Rainfall

Station (include data period)			November 2016				
	September 2016 Total	October 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Auki (1962 – 2016)	162	190	297	174	262	213	44 of 53
Henderson (1975 – 2016)	35	31	328	100	188	138	39 of 42
Honiara (1954 – 2016)	59	65	391	98	153	124	58 of 60
Kirakira (1965 – 2016)	203	134	276	168	267	196	34 of 49
Lata (1975 – 2016)	292	437	348	265	425	368	20 of 42
Munda (1962 – 2016)	291	238	421	181	273	228	54 of 59
Taro (1975 – 2016)	297	279	409	202	288	233	36 of 39

**TABLE 2: Three-monthly Rainfall
September to November 2016**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #107]

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)	649	588	692	641	28 of 54	32/34/34(7.1)	Consistent
Henderson (1975 – 2016)	394	290	389	358	8 of 41	31/36/33(11.5)	Near Consistent
Honiara (1954 – 2016)	515	305	411	360	14 of 61	33/35/32(5.6)	Near Consistent
Kirakira (1965 – 2016)	613	640	852	756	28 of 50	28/36/36(10.3)	Near Consistent
Lata (1975 – 2016)	1077	967	1233	1059	14 of 42	31/36/33(10.1)	Consistent
Munda (1962 – 2016)	950	646	783	704	8 of 55	33/34/33(2.3)	Near Consistent
Taro (1975 – 2016)	985	741	840	788	27 of 37	31/35/34(2.4)	Near Consistent

Period: *below normal/normal/above normal

Predictors and Period used for July to September 2016 Outlooks (refer to OCOF #107):

Predictor: 1 month NINO3.4 Extended SST Anomalies June 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 January to March 2017.**Predictors and Period used: 1 month NINO3.4 Extended SST Anomalies November 2016.**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Auki	50	1188	50		-3.1	5.9
Henderson	49	730	51		-3.1	47.1
Honiara	45	824	55		-1.3	60.6
Kirakira	38	1002	62		9.6	66.7
Lata	35	1274	65		14.2	75.8
Munda	49	1119	51		-3.1	14.7
Taro	44	768	56		-0.6	59.4

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Auki	31	1008	34	1282	35	-2.9	23.5
Henderson	17	654	38	905	45	6.4	50.0
Honiara	20	693	34	929	46	7.5	57.6
Kirakira	22	860	26	1161	52	23.6	60.0
Lata	21	1124	32	1369	47	7.4	54.5
Munda	41	1023	23	1308	36	-4.2	2.9
Taro	20	693	30	861	50	0.2	43.8

Summary Statements

November Rainfall.

Rainfall in November was normal to above normal across the country.

Central region - Henderson, Honiara and Auki recorded above normal rainfall.

Eastern region - Kirakira recorded above normal rainfall while Lata recorded normal rainfall.

Western region – Munda and Taro both recorded above normal rainfall.

Munda and Taro recorded the highest rainfall during the period.

Accumulated rainfall for September to November 2016, including outlook verification:

Above normal to normal rainfall was predicted for most parts of the country for the period – September to November 2016.

Results of observed rainfall.

For central region – Auki recorded normal, while Henderson and Honiara above normal rainfall.

Eastern region – Kirakira recorded below normal while Lata recorded normal rainfall.

Western region – Taro and Munda both recorded above normal rainfall.

Outlooks for January to March 2017:

1. SCOPIC:

Above normal rainfall is likely for most parts of country for the period – January 2016 to March 2017.

For Auki in the Central region there is little indication of bias towards either above normal, normal or below normal rainfall conditions for September to March. For Munda in the Western region, below normal rainfall is the most likely outcome, with above normal the next most likely. The least likely category is normal.

For Henderson in the central region, Kirakira and Lata in Eastern region and Taro in the Western region the forecast is bias towards above rainfall conditions for January to March. In Honiara (Central region) above normal rainfall is most likely with normal rainfall the next most likely for January to March period.

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: $X \geq 35$