

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 87

Country Name: SOLOMON ISLANDS

TABLE 1: Monthly Rainfall

Station (include data period)			November 2014				
	September 2014 Total	October 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Auki (1962 – 2014)	180	343	175	171	263	213	18 of 51
Henderson (1975 – 2014)	45	103	41	102	187	138	6 of 40
Honiara (1954 – 2014)	20	84	21	98	161	124	3 of 58
Kirakira 1965 – 2014)	133	428	111	172	265	196	7 of 47
Lata (1975 – 2014)	333	462	480	259	418	368	31 of 40
Munda (1962 – 2014)	357	480	270	181	280	227	35 of 53
Taro (1975 – 2014)	275	392	218	200	293	237	17 of 37

TABLE 2: Three-monthly Rainfall

September to November 2014

[Please note that the data used in this verification should be sourced from table 3 of OCOF #83]

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 – 2014)	698	590	692	641	35 of 51	26/35/39 (2.7)	Consistent
Henderson (1975 – 2014)	189	291	389	358	4 of 40	21/41/38 (10.5)	Near consistent
Honiara (1954 – 2014)	125	315	412	362	3 of 57	20/60/20 (3.4)	Near consistent
Kirakira 1965 – 2014)	672	643	853	771	18 of 44	38/28/34 (0.0)	Near Consistent
Lata (1975 – 2014)	1275	981	1227	1059	29 of 40	41/24/35 (3.5)	In consistent
Munda (1962 – 2014)	1107	650	782	704	50 of 53	9/49/42 (7.5)	Near consistent
Taro (1975 – 2014)	885	744	836	788	26 of 35	9/34/57 (7.3)	Consistent

Period: *below normal/normal/above normal

Predictor: SST 1&9

* 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 SCOPIC for January to March 2015

Predictors and Period used: November Nino 3.4 extended -1 month

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Auki	53	1188	47		-0.8	56.6
Henderson	53	730	47		-1.0	57.5
Honiara	59	850	41		3.6	57.5
Kirakira	66	1027	34		21.0	69.6
Lata	62	1275	38		15.7	74.4
Munda	52	1119	48		-1.6	52.8
Taro	54	769	46		-0.5	56.8

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Auki	39	993	29	1277	32	1.3	30.2
Henderson	44	640	36	904	20	12.7	47.5
Honiara	46	694	28	937	26	13.9	40.7
Kirakira	47	881	44	1173	9	28.4	58.7
Lata	40	1134	36	1368	24	2.3	35.9
Munda	30	1035	38	1305	32	-4.5	22.6
Taro	35	705	42	865	23	10.1	54.1

TABLE 4: Seasonal Climate Outlooks using POAMA2 for January to March 2015

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Honiara	21	496	51	708	28		
Munda	27	871	45	1213	28		
Taro	6	618	45	774	49		

Summary Statements

Rainfall for November 2014:

Below normal to normal rainfall was recorded across most of the country in November.

In the Central region, rainfall was below normal [for Henderson](#) and Honiara and normal for Auki. For the eastern region, Kirakira recorded below normal rainfall and Lata recorded above normal rainfall. In the western region both Munda and Taro recorded normal rainfall.

Honiara has the lowest rainfall of 21 mm while Lata recorded the highest rainfall of 480 mm for the month.

Accumulated rainfall for September to November 2014, including outlook verification:

Above normal rainfall was forecasted for most parts of the country with low to moderate skill.

Observed rainfall at Auki in the central region and Taro western region were consistent with their above normal outlooks. Henderson and Honiara in the central region, Kirakira in the eastern region and Munda in the western region were near consistent while Lata in the eastern region was inconsistent.

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

Outlooks for January to March 2015:

1. SCOPIC:

Below normal rainfall is most likely for most parts of the country with normal the next most likely.

Central region – Auki has near equal chance of below normal, normal and above normal while at Henderson and Honiara the most likely outcome is below normal rainfall.

Eastern region – For Kirakira and Lata the most likely outcome is below normal rainfall with normal rainfall the next most likely.

Western region - Munda has near equal chance of below normal, normal and above normal and Taro is likely to be normal with below normal the next most likely.

2. POAMA:

The POAMA climate outlook for Honiara in the central region [is normal](#). For the western region Munda [is normal](#) and Taro [is normal to](#) above normal rainfall.

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: $X \geq 35$