

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 90

Country Name: SOLOMON ISLANDS

TABLE 1: Monthly Rainfall

Station (include data period)	February 2015						
	December 2014 Total	January 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Auki (1962 – 2015)	362	573	229	324	451	393	9 of 54
Henderson (1975 – 2015)	164	268	217	209	315	240	16 of 41
Honiara (1954 – 2015)	134	353	219	216	313	270	22 of 61
Kirakira (1965 – 2015)	92	284	93	272	365	326	3 of 48
Lata (1975 – 2015)	309	331	327	324	471	394	15 of 41
Munda (1962 – 2015)	99	606	617	284	484	337	45 of 54
Taro (1975 – 2014)	196	366	264	220	318	259	21 of 39

TABLE 2: Three-monthly Rainfall December 2014 to February 2015

[Please note that the data used in this verification should be sourced from table 3 of OCOF #86]

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 – 2015)	1164	778	966	1031	33 of 51	32/32/36(15.3)	Consistent
Henderson (1975 – 2015)	649	443	670	722	20 of 40	38/22/40(24.8)	Near Consistent
Honiara (1954 – 2015)	707	512	646	706	30 of 58	36/28/36(18.1)	Consistent
Kirakira (1965 – 2015)	469	705	931	966	4 of 45	35/33/32(20.9)	Consistent
Lata (1975 – 2015)	967	1045	1246	1136	11 of 40	25/43/32(15.4)	Near Consistent
Munda (1962 – 2015)	1322	816	980	1099	42 of 53	31/26/43(-3.1)	Consistent
Taro (1975 – 2014)	826	580	780	670	31 of 36	43/41/16(5.8)	In Consistent

Period: *below normal/normal/above normal

Predictors and Period used for December 2014 to February 2015 Outlooks (refer to OCOF #86): October SST 1 & 9 – one month

* 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
April to June 2015**

Predictors and Period used:

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Auki	50	644	50		-2.0	11.5
Henderson	62	327	38		9.8	61.5
Honiara	59	371	41		4.6	53.3
Kirakira	60	814	40		6.0	62.5
Lata	55	967	45		-0.2	51.3
Munda	52	773	48		-1.4	47.2
Taro	52	841	48		-2.1	54.1

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Auki	35	594	34	700	31	-1.7	19.2
Henderson	47	300	34	367	19	17.4	46.2
Honiara	42	322	31	462	27	3.3	36.7
Kirakira	45	688	33	928	22	11.6	50.0
Lata	38	853	40	1059	22	4.1	41.0
Munda	33	704	36	856	31	-2.0	26.4
Taro	39	763	26	887	35	-1.0	45.9

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
April to June 2015**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Lata	43	2900	36	1057	21		
Kirakira	58	605	24	878	18		
Honiara	69	267	5	410	26		
Munda	70	745	5	907	25		
Taro	58	721	12	889	30		

Summary Statements

Rainfall for February 2015:

Normal rainfall was recorded for most parts of the country during the month.

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

Accumulated rainfall for December 2014 to February 2015, including outlook verification:

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

Observed rainfalls at Auki and Honiara in the central region, Kirakira in the eastern region and Munda in the western region were consistent with their outlooks. Henderson in the central region and Lata in the eastern region were Near Consistent while Taro in the western region was In- Consistent.

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

Outlooks for April to June 2015:

1. SCOPIC:

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

The likely outcome for Henderson, Honiara and Kirakira is below normal rainfall with normal the next most likely. For Taro the likely outcome is also below normal with above normal the next most likely. The likely outcome for Lata and Munda is below normal to normal. For Auki, there is little guidance for the coming season as the chances of below normal, normal and above normal rainfall are similar.

2. POAMA:

The rainfall outlook for Lata and Kirakira in the eastern region, Honiara in the central region as well as Munda and Taro in the western region is below normal.

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: $X \geq 35$