

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 126

Country Name: SOLOMON ISLANDS

TABLE 1: Monthly Rainfall

Station (include data period)			February 2017				
	December 2017 Total	January 2018 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Auki (1962 – 2017)	525	568	118	324	473	395	2/57
Henderson (1975 – 2017)	445	504	190	210	337	242	12/44
Honiara (1954 – 2017)	363	488	125	219	318	275	8/64
Kirakira (1965 – 2017)	550	482	162	272	365	326	7/51
Lata (1975 – 2017)	412	394	225	327	486	396	4/44
Munda (1962 – 2017)	306	678	280	297	488	340	19/57
Taro (1975 – 2017)	247	145	104	220	312	256	4/42

**TABLE 2: Three-monthly Rainfall
December to February 2018**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #122]

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 – 2017)	1211	901	1167	1023	40/54	32/31/ 37 (0.2)	Consistent
Henderson (1975 – 2017)	1138	587	846	741	39/43	25/36/ 39 (7.9)	Consistent
Honiara (1954 – 2017)	976	629	882	709	47/61	27/31/ 42 (12.0)	Consistent
Kirakira (1965 – 2017)	1195	792	1078	965	36/48	24/37/ 39 (20.2)	Consistent
Lata (1975 – 2017)	1032	1063	1255	1144	14/43	28/30/ 42 (8.2)	Inconsistent
Munda (1962 – 2017)	1265	934	1218	1094	40/56	41 /25/34(3.7)	Inconsistent
Taro (1975 – 2017)	496	629	778	685	3/39	39 /38/23(9.9)	Inconsistent

Period: *below normal/normal/above normal

Predictors and Period used for December to February 2018 Outlooks (refer to OCOF #122):
NINO 3.4 SST anomalies for September – October 2017

* 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 2018**

Predictors and Period used: NINO 3.4 SST anomalies for January- February 2018

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Auki	42	663.7	58		0.9	60.0
Henderson	34	339.9	66		11.7	65.7
Honiara	36	379.2	64		13.1	66.7
Kirakira	32	819.7	68		20.5	73.5
Lata	39	974.3	61		6.5	60.0
Munda	49	789.8	51		-2.8	33.3
Taro	49	845.4	51		-3.1	38.2

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	67%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Auki	28	597.2	37	715.0	35	-1.2	45.7
Henderson	22	302.7	39	372.2	39	4.9	37.1
Honiara	16	333.5	37	471.1	47	13.8	44.4
Kirakira	19	709.2	31	958.7	50	17.5	44.1
Lata	18	853.1	33	1066.7	49	16.0	48.6
Munda	35	712.7	30	865.0	35	-2.7	25.0
Taro	29	769.8	34	887.2	37	-0.6	41.2

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for April to June
2018**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	67%ile rainfall (mm)	Upper Tercile (prob)		
Honiara	46	267	15	410	39		
Kirakira	55	605	15	878	30		
Lata	52	900	15	1057	33		
Munda	46	745	12	907	42		
Taro	46	721	12	889	42		

Summary Statements

Rainfall for February 2018:

Below normal rainfall was recorded across the country. Auki in the central region and Lata in the eastern region recorded their 2nd and 4th driest February.

Accumulated rainfall for December 2017 to February 2018, including outlook verification:

Rainfalls for the last three months was above normal for Auki and Henderson in the central region, Kirakira in the eastern region and Munda in the western region. Normal rainfall for Honiara in the central region and below normal for Lata in the eastern region and Taro in the western region. Verifications for the stations were consistent for Auki, Henderson, Honiara and Kirakira while Lata, Munda and Taro were inconsistent.

Outlooks for April to June 2018:

1. SCOPIC:

The Outlook offers above normal rainfall for Honiara in the central region, Kirakira and Lata in the eastern region and Taro in the western region. Auki and Henderson in the central region are likely to be normal to above normal rainfall. The outlook offers little guidance for Munda as the chances of below normal and above normal are similar.

2. POAMA:

Below normal rainfall is favoured throughout the country for the months of April to June.

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: $X \geq 35$