

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 121

Country Name: Solomon Islands

TABLE 1: Monthly Rainfall

Station (include data period)	September 2017						
	July 2017 Total	August 2017 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Auki (1962 – 2017)	229	157	360	163	236	194	54 of 55
Henderson (1975 – 2017)	62	40	118	51	106	74	32 of 43
Honiara (1954 – 2017)	50	43	181	67	114	79	57 of 62
Kirakira (1965 – 2017)	477	116	227	183	301	218	26 of 49
Lata (1975 – 2017)	340	299	559	298	378	339	39 of 43
Munda (1962 – 2017)	242	79	239	209	286	236	30 of 56
Taro (1975 – 2017)	310	451	276	237	293	261	25 of 41

**TABLE 2: Three-monthly Rainfall
July to September 2017**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #117]

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)	746	583	697	641	42 of 55	33/39/28	Near consistent
Henderson (1975 – 2017)	220	226	320	275	14 of 43	36/31/33	Consistent
Honiara (1954 – 2017)	274	242	325	283	30 of 61	33/39/28	Consistent
Kirakira (1965 – 2017)	820	715	1050	875	23 of 48	40/31/29	Near consistent
Lata (1975 – 2017)	1198	918	1197	1084	29 of 43	36/39/25	Near consistent
Munda (1962 – 2017)	560	762	888	835	6 of 56	28/34/39	Inconsistent
Taro (1975 – 2017)	1037	859	990	914	28 of 39	40/30/30	Inconsistent

Period: *below normal/normal/above normal

**Predictors and Period used for July to September 2017 Outlooks (refer to OCOF #117):
NINO3.4 for May 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
November 2017 to January 2018**

Predictors and Period used: NINO 3.4 for August – September 2017

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Auki	42	871	58		5.5	63.6
Henderson	42	585	58		4.7	71.4
Honiara	38	576	62		12.4	69.7
Kirakira	38	796	62		15.0	64.5
Lata	40	1118	60		9.3	57.1
Munda	51	862	49		-1.7	37.1
Taro	37	700	63		9.7	71.0

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	67%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Auki	28	773	31	966	41	7.6	45.5
Henderson	24	463	33	699	43	11.9	57.1
Honiara	23	510	30	646	47	16.1	57.6
Kirakira	17	700	39	920	44	22.9	54.8
Lata	26	1045	32	1246	42	6.5	34.3
Munda	31	816	35	980	34	-3.1	14.3
Taro	19	611	38	780	43	17.0	48.4

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
November 2017 to January 2018**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	67%ile rainfall (mm)	Upper Tercile (prob)		
Honiara	30	362	10	605	60		
Kirakira	27	518	6	861	67		
Lata	33	1020	15	1161	52		
Munda	24	755	12	875	64		
Taro	39	451	5	715	56		

Summary Statements

Rainfall for September 2017:

Normal to above-normal rainfall was recorded in most parts of the country in September. Above-normal rainfall was recorded in the central region and at Lata in the eastern region. Normal rainfall was recorded in the western region and at Kirakira in eastern region.

Accumulated rainfall for July to September 2017, including outlook verification:

Mixed conditions of above-normal, normal and below-normal rainfall were observed across the country. The verification of the three months outlook issued in June 2017 for all stations were near-consistent for Auki, Kirakira and Lata, consistent for Henderson and Honiara, and inconsistent for Taro and Munda.

Outlooks for November 2017 to January 2018:

1. SCOPIC:

The Outlook shows above-normal rainfall is the most likely outcome, with normal the next most likely. Below-normal is the least likely. The exception is Munda where the outlook offers little guidance as the chances of below-normal, normal and above-normal are similar.

2. POAMA:

Above-normal rainfall is favoured for the country for the 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: $X \geq 35$