

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 144

Country: Solomon Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Jun-2019	Jul-2019	Aug-2019				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Auki (1962-2019)	127.3	124.1	231.1	152.8	236.7	199.3	34/58
Henderson (1975-2019)	69.1	155.3	157.8	70.5	101.2	85.6	40/45
Honiara (1954-2019)	60.9	121.4	132.8	66.6	99.1	89.0	54/64
Kirakira (1965-2019)	200.8	239.8	593.6	191.4	334.9	258.3	49/52
Lata (1975-2019)	414.8	519.6	615.3	270.0	402.8	319.2	41/45
Munda (1962-2019)	337.1	189.5	449.5	200.4	307.8	261.3	53/58
Taro (1975-2019)	423.4	409.6	451.9	262.8	338.6	293.3	39/42

TABLE 2: Three-month Rainfall for June to August 2019

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 March-April 2019				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Auki (1962-2019)	482.5	Below normal	554.8	682.5	609.7	10/57	42	22	36	-1	Consistent
Henderson (1975-2019)	382.2	Above normal	231.3	314.1	255.9	40/45	58	23	19	7	Inconsistent
Honiara (1954-2019)	315.1	Normal	236.3	325.5	269.8	39/63	43	23	34	-1	Near-consistent
Kirakira (1965-2019)	1034.2	Above normal	711.0	981.6	887.0	37/52	72	11	17	15	Inconsistent
Lata (1975-2019)	1549.7	Above normal	864.8	1185.3	1017.8	43/45	48	17	35	0	Inconsistent
Munda (1962-2019)	976.1	Above normal	757.7	947.7	833.0	39/58	23	38	39	1	Consistent
Taro (1975-2019)	1284.9	Above normal	829.4	999.6	886.1	38/41	27	40	33	-3	Near-consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for October to December 2019
Predictor and Period used: NINO3.4 for July to August 2019

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Auki (1962-2019)	57	696.8	43		6	60
Henderson (1975-2019)	54	428.4	46		2	59
Honiara (1954-2019)	60	450.5	40		12	62
Kirakira (1965-2019)	57	729.9	43		7	58
Lata (1975-2019)	55	1107.1	45		4	55
Munda (1962-2019)	56	763.4	44		5	60
Taro (1975-2019)	56	723.1	44		8	59

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Auki (1962-2019)	42	621.8	35	802.8	23	13	46
Henderson (1975-2019)	38	353.6	37	498.7	25	7	55
Honiara (1954-2019)	42	386.2	41	563.0	17	14	36
Kirakira (1965-2019)	36	672.0	34	861.0	30	1	40
Lata (1975-2019)	41	996.9	28	1209.2	31	11	43
Munda (1962-2019)	41	716.7	33	816.0	26	8	44
Taro (1975-2019)	39	651.2	35	809.3	26	13	44

TABLE 4: Seasonal Climate Outlooks using POAMA2 for October to December 2019

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Honiara	45	308.0	5	516.0	50
Kirakira	24	586.0	12	759.0	64
Lata	39	920.0	12	1184.0	49
Munda	27	684.0	21	816.0	52
Taro	58	558.0	5	689.0	37

Summary Statements

Rainfall for August 2019:

Rainfall was above average across Solomon Islands, except for Auki where rainfall was normal.

Kirakira, Lata, Munda and Taro recorded rainfall above the 90 percentile.

Accumulated rainfall for June to August 2019, including outlook verification:

Rainfall was above average for the past three months except at Auki and Henderson in the central region where totals were below normal and normal respectively. Auki and Munda were consistent with their outlooks. Honiara and taro were near-consistent, but Henderson, Kirakira and Lata were inconsistent.

Taro recorded its fourth wettest June to August rainfall on record.

Outlooks for October to December 2019:

1. SCOPIC:

At Auki, Munda and Taro, the outlook shows below-normal as the most likely outcome, with normal the next most likely. Above-normal is the least likely.

At Lata, the outlook shows below-normal as the most likely outcome with above-normal the next most likely. Normal is the least likely.

The outlook for Honiara and Henderson shows a near-equal likelihood of below normal and normal rainfall. Above normal is the least likely.

Kirakira's outlook offers little guidance as the chances of above normal, normal and below normal are similar.

2. POAMA:

The outlook favours above normal rainfall for Honiara, Kirakira and Munda and below normal for Taro. At Lata the outlook shows above normal rainfall as the most likely outcome, with below normal the next most likely. Normal is the least likely.

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: $15 \leq X < 25$

Table: 5 Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders

Product	Date: August 2019	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin		<ul style="list-style-type: none"> • Red Cross • NDMO • Ministry of Agriculture • SIBC • Hydrology • Solomon Star • PaoaFM • World Vision • Goldridge Mining • Ministry of Mines and Energy • MEHRD 	13	12	1
EAR Watch		<ul style="list-style-type: none"> • Red Cross • NDMO • Ministry of Agriculture • SIBC • Hydrology • Solomon Star • PaoaFM • World Vision • Goldridge Mining • Ministry of Mines and Energy • MEHRD 	13	12	1
MalaClim		<ul style="list-style-type: none"> • MEHRD • Prime Minister's Office • SIBC • Solomon star Newspaper 	7	7	0
Total			33	31	2