

Country: Solomon Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Jul-2019	Aug-2019	Sep-2019				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Auki (1962-2019)	124.1	231.1	229.4	172.5	235.9	194.6	35/57
Henderson (1975-2019)	155.3	157.8	170.8	52.5	115.1	85.3	42/45
Honiara (1954-2019)	121.4	132.8	158.0	67.2	115.1	79.7	55/64
Kirakira (1965-2019)	239.8	593.6	396.4	196.0	301.3	227.0	42/51
Lata (1975-2019)	519.6	615.3	442.0	313.3	400.0	352.5	34/45
Munda (1962-2019)	189.5	449.5	283.3	208.6	283.3	237.0	39/58
Taro (1975-2019)	409.6	451.9	541.0	239.2	303.7	266.8	43/43

TABLE 2: Three-month Rainfall for July to September 2019

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 April-May 2019				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Auki (1962-2019)	584.6	Below normal	592.1	711.5	659.7	19/57	34	39	27	-1	Near-consistent
Henderson (1975-2019)	483.9	Above normal	225.3	322.9	275.1	42/45	42	28	30	-2	Inconsistent
Honiara (1954-2019)	412.2	Above normal	244.4	325.6	282.8	53/63	39	27	34	-2	Inconsistent
Kirakira (1965-2019)	1229.8	Above normal	735.2	1057.5	874.7	45/50	54	25	21	5	Inconsistent
Lata (1975-2019)	1576.9	Above normal	926.6	1195.9	1084.4	44/45	35	41	24	-2	Near-consistent
Munda (1962-2019)	922.3	Above normal	744.2	887.5	825.0	40/58	33	29	38	-2	Consistent
Taro (1975-2019)	1402.5	Above normal	865.8	1021.0	919.6	41/41	44	20	36	-3	Inconsistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for November 2019 to January 2020
Predictor and Period used: NINO3.4 for August to September 2019

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Auki (1962-2019)	53	879.0	47		12	64
Henderson (1975-2019)	51	597.2	49		8	75
Honiara (1954-2019)	55	587.0	45		19	76
Kirakira (1965-2019)	53	815.9	47		12	66
Lata (1975-2019)	51	1121.9	49		12	61
Munda (1962-2019)	51	864.8	49		1	58
Taro (1975-2019)	50	699.6	50		7	64

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)	34	777.8	36	976.8	30	14	51
Henderson (1975-2019)	32	477.8	37	734.0	31	14	57
Honiara (1954-2019)	35	511.3	36	694.4	29	18	48
Kirakira (1965-2019)	33	703.7	37	935.5	30	18	54
Lata (1975-2019)	34	1046.4	35	1291.5	31	7	46
Munda (1962-2019)	34	819.3	33	1024.2	33	0	37
Taro (1975-2019)	30	600.5	36	779.5	34	12	51

TABLE 4: Seasonal Climate Outlooks using POAMA2 for November 2019 to January 2020

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Honiara	18	362.0	5	605.0	77
Kirakira	15	518.0	18	861.0	67
Lata	24	1020.0	15	1161.0	61
Munda	21	755.0	9	875.0	70
Taro	33	451.0	15	715.0	52

Summary Statements

Rainfall for September 2019:

Rainfall in September was normal for Auki in the central region and Munda in the western region. Above normal rainfall was recorded at Lata and Kirakira in the eastern region, Honiara and Henderson in the central and Taro at the western region. Taro recorded its highest September rainfall since records began in 1975.

Accumulated rainfall for July to September 2019, including outlook verification:

Above normal rainfall was recorded in all regions for the period except for Auki which recorded below normal.

Auki in the central region and Lata in the eastern region were near-consistent to their forecast. The July-September outlooks for Henderson and Honiara in the central region, Kirakira in the eastern region and Taro in the western region were inconsistent. Only Munda was consistent with its outlook issued in August.

Outlooks for November 2019 to January 2020:

1. SCOPIC:

The outlook offers little guidance as the chances of below normal, normal or above normal are similar at all sites across the country.

2. POAMA:

Above normal rainfall is favoured across the country, with below normal generally the next mostly likely outcome.

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: $X \geq 35$

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

Product	Date: September 2019	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Outlook Bulletin	September 2019	<ul style="list-style-type: none"> • SI Red Cross • NDMO • Ministry of Agriculture • Media – SIBC, Solomon star, Island Sun. • Water Resources • Solomon Water • Malaria Authority – Health. • World Vision SI • Gold Ridge Mining • Ministry of Mines & Energy • Ministry of Education • Solomon Power • Government Information • 			
EAR Watch					
Monthly Climate Briefing					
Ocean Bulletin					
Total					