

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 139

Country: Solomon Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Jan-2019	Feb-2019	Mar-2019				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Auki (1962-2019)	388.9	381.6	160.4	302.2	451.0	363.6	3/58
Henderson (1975-2019)	378.8	287.3	156.1	188.6	328.0	252.6	10/45
Honiara (1954-2019)	300.6	285.4	125.1	235.5	343.7	297.5	9/65
Kirakira (1965-2019)	236.2	420.8	151.0	284.4	394.9	359.8	3/52
Lata (1975-2019)	252.6	402.1	308.2	359.1	526.9	414.3	13/44
Munda (1962-2019)	600.3	406.4	186.0	281.0	428.9	340.0	9/58
Taro (1975-2019)	209.5	159.6	355.2	233.6	309.6	276.3	37/44

TABLE 2: Three-month Rainfall for January to March 2019

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 October-November 2018				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Auki (1962-2019)	930.9	Below normal	992.0	1271.2	1183.5	12/58	41	29	30	0	Consistent
Henderson (1975-2019)	822.2	Normal	666.1	905.3	749.3	26/45	48	33	19	11	Near-consistent
Honiara (1954-2019)	711.1	Normal	695.5	948.8	849.8	23/63	59	24	17	15	Near-consistent
Kirakira (1965-2019)	808.0	Below normal	875.2	1154.3	1022.9	16/51	57	39	4	34	Consistent
Lata (1975-2019)	962.9	Below normal	1143.2	1383.3	1276.6	7/44	50	40	10	18	Consistent
Munda (1962-2019)	1192.7	Normal	1046.1	1311.7	1142.0	31/58	32	40	28	-2	Consistent
Taro (1975-2019)	724.3	Normal	681.5	863.2	768.7	18/42	35	48	17	2	Consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for May to July 2019

Predictor and Period used: NINO3.4 for February to March 2019

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Auki (1962-2019)	57	615.4	43		0	55
Henderson (1975-2019)	58	276.8	42		1	54
Honiara (1954-2019)	62	294.2	38		4	54
Kirakira (1965-2019)	68	872.8	32		10	67
Lata (1975-2019)	52	992.6	48		-2	46
Munda (1962-2019)	52	871.3	48		-2	40
Taro (1975-2019)	40	855.0	60		1	49

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)	38	551.4	30	683.7	32	-1	21
Henderson (1975-2019)	50	252.0	30	318.2	20	7	40
Honiara (1954-2019)	55	263.3	20	334.5	25	7	44
Kirakira (1965-2019)	51	750.4	34	994.9	15	10	52
Lata (1975-2019)	50	870.3	18	1166.2	32	3	55
Munda (1962-2019)	34	704.0	34	999.1	32	-2	23
Taro (1975-2019)	33	773.5	25	925.9	42	-2	39

TABLE 4: Seasonal Climate Outlooks using POAMA2 for May to July 2019

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Honiara	85	220.0	5	324.0	10
Kirakira	95	626.0	5	881.0	0
Lata	94	820.0	5	1165.0	1
Munda	82	693.0	6	1037.0	12
Taro	70	675.0	5	883.0	25

Summary Statements

Rainfall for March 2019:

Rainfall was below average at all sites apart from Taro in the western region which recorded above normal rainfall. Auki and Kirakira recorded their third-driest March on record.

Accumulated rainfall for January to March 2019, including outlook verification:

Below-normal rainfall was recorded at Auki and Kirakira in the central region, and Lata in the eastern region. Henderson and Honiara in the central region, and Munda and Taro in the western region recorded normal rainfall. Auki, Kirakira, Lata, Munda, and Taro were consistent with their outlooks. Henderson and Honiara were near-consistent.

Outlooks for May to July 2019:

1. SCOPIC:

The outlook favours below-normal rainfall for Henderson, Honiara, Kirakira and Lata.

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

The outlook offers little guidance for Auki and Munda as the chances of below-normal, normal and above-normal are similar.

2. POAMA:

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

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: March 2018	Stakeholder	Total Number of Participants	Number of male	Number of female
MalaClim	March 2019	Ministry of Health - Vector Borne Division (note: Direct engagement with this sector	1	1	0
Climate Bulletin	March 2019	Red Cross	1	1	0
		NDMO	3	3	0
		Ministry of Agriculture	2	2	0
		SIBC	1	1	0
		Hydrology	1	1	0
		Solomon Star	1	0	
		PaoaFM	1	1	0
		World Vision	1	0	1
		Goldridge Mining			
		Ministry of Mines and Energy	1	1	0