

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 143

Country: Solomon Islands

TABLE 1: Monthly Rainfall

Station (include data period)	May-2019	Jun-2019	Jul-2019				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Auki (1962-2019)	119.5	127.3	124.1	195.0	256.7	218.4	7/58
Henderson (1975-2019)	26.8	69.1	155.3	73.0	107.7	92.5	40/45
Honiara (1954-2019)	92.2	60.9	121.4	65.6	106.3	94.7	49/64
Kirakira (1965-2019)	224.3	200.8	239.8	246.6	406.2	340.5	17/53
Lata (1975-2019)	497.2	414.8	519.6	297.7	391.5	338.5	38/45
Munda (1962-2019)	315.0	337.1	189.5	231.1	370.3	288.0	11/58
Taro (1975-2019)	281.4	423.4	409.6	289.3	352.0	316.2	33/41

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

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 February-March 2019				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Auki (1962-2019)	370.9	Below normal	551.4	683.7	615.4	3/57	38	30	32	-1	Consistent
Henderson (1975-2019)	251.2	Below normal	252.0	318.2	276.8	15/44	50	30	20	7	Consistent
Honiara (1954-2019)	274.5	Normal	263.3	334.5	294.2	25/64	55	20	25	7	Near-consistent
Kirakira (1965-2019)	664.9	Below normal	750.4	994.9	872.8	15/53	51	34	15	10	Consistent
Lata (1975-2019)	1431.6	Above normal	870.3	1166.2	992.6	42/45	50	18	32	3	Inconsistent
Munda (1962-2019)	841.6	Normal	704.0	999.1	871.3	28/58	34	34	32	-2	Near-consistent
Taro (1975-2019)	1114.4	Above normal	773.5	925.9	855.0	36/40	33	25	42	-2	Consistent

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

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Auki (1962-2019)	65	647.0	35		7	58
Henderson (1975-2019)	66	358.4	34		9	68
Honiara (1954-2019)	68	362.0	32		11	62
Kirakira (1965-2019)	61	763.6	39		4	58
Lata (1975-2019)	65	1067.1	35		9	57
Munda (1962-2019)	60	691.3	40		3	53
Taro (1975-2019)	57	810.1	43		2	54

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)	49	593.1	25	692.4	26	6	27
Henderson (1975-2019)	48	290.3	34	389.1	18	13	50
Honiara (1954-2019)	46	304.9	31	413.1	23	6	46
Kirakira (1965-2019)	52	640.4	25	852.5	23	9	31
Lata (1975-2019)	46	997.1	32	1248.3	22	7	39
Munda (1962-2019)	44	646.2	30	782.8	26	3	37
Taro (1975-2019)	42	748.1	27	850.1	31	3	54

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

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Honiara	21	269.0	6	407.0	73
Kirakira	36	487.0	27	824.0	37
Lata	30	874.0	21	1223.0	49
Munda	27	582.0	21	745.0	52
Taro	27	693.0	21	810.0	52

Summary Statements

Rainfall for July 2019:

Rainfall was below-normal for Auki and Kirakira in the central region and Munda in the western region. Henderson and Honiara in the central region, Lata in eastern region and Taro in the western region recorded above normal rainfall.

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

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

Outlooks for September to November 2019:

1. SCOPIC:

The outlook favours below-normal rainfall for Kirakira.

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

2. POAMA:

The outlook favours above normal rainfall for Honiara, Munda and 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. The outlook for Kirakira is mixed, with similar chances for below normal and above normal are similar. Normal is the least 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: July 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
Monthly Climate Briefing					
Ocean Bulletin					
Total			26	24	2