

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 141

Country: Solomon Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Mar-2019	Apr-2019	May-2019				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Auki (1962-2019)	160.4	354.4	119.5	175.1	248.0	223.1	9/57
Henderson (1975-2019)	156.1	193.2	26.8	76.0	137.5	103.5	3/44
Honiara (1954-2019)	125.1	171.2	92.2	90.8	135.7	119.6	24/65
Kirakira (1965-2019)	151.0	149.0	224.3	226.6	349.5	269.0	17/53
Lata (1975-2019)	308.2	323.4	497.2	302.1	398.3	338.6	38/45
Munda (1962-2019)	186.0	411.5	315.0	202.6	285.8	246.4	43/58
Taro (1975-2019)	355.2	281.9	281.4	239.3	306.1	272.8	22/42

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

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 December 18-January 19				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Auki (1962-2019)	634.3	Below normal	749.7	960.3	861.6	8/57	37	27	36	-2	Consistent
Henderson (1975-2019)	376.1	Below normal	464.0	629.6	548.0	9/44	42	38	20	9	Consistent
Honiara (1954-2019)	388.5	Below normal	548.0	722.7	621.6	8/65	41	36	23	5	Consistent
Kirakira (1965-2019)	524.3	Below normal	856.0	1067.4	915.5	4/52	40	36	24	4	Consistent
Lata (1975-2019)	1128.8	Normal	996.4	1184.1	1131.3	22/44	47	35	18	18	Near-consistent
Munda (1962-2019)	912.5	Normal	808.1	1006.0	914.1	29/58	35	39	26	0	Consistent
Taro (1975-2019)	918.5	Above normal	736.5	917.1	857.0	29/42	39	38	23	4	Inconsistent

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

Predictor and Period used: NINO3.4 for April to May 2019

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Auki (1962-2019)	50	659.7	50		-2	27
Henderson (1975-2019)	64	275.1	36		2	64
Honiara (1954-2019)	51	282.8	49		-2	44
Kirakira (1965-2019)	68	874.7	32		7	69
Lata (1975-2019)	57	1084.4	43		-1	52
Munda (1962-2019)	48	825.0	52		-2	56
Taro (1975-2019)	52	919.6	48		-2	50

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	592.1	39	711.5	27	-1	32
Henderson (1975-2019)	42	225.3	28	322.9	30	-1	39
Honiara (1954-2019)	39	244.4	27	325.6	34	-1	42
Kirakira (1965-2019)	54	735.2	25	1057.5	21	6	39
Lata (1975-2019)	35	926.6	41	1195.9	24	-1	32
Munda (1962-2019)	33	744.2	29	887.5	38	-2	33
Taro (1975-2019)	44	865.8	20	1021.0	36	-2	40

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

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Honiara	21	188.0	18	322.0	61
Kirakira	33	570.0	21	923.0	46
Lata	30	835.0	21	1197.0	49
Munda	33	716.0	21	887.0	46
Taro	33	790.0	21	952.0	46

Summary Statements

Rainfall for May 2019:

Rainfall was below normal for Auki, Henderson and Kirakira in the central region, normal for Honiara in the central region and Taro in the western region. Above normal rainfall was recorded at Lata in the eastern region and Munda in the western region. Henderson recorded its third-driest May on record.

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

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

Outlooks for July to September 2019:

1. SCOPIC:

The outlook favours below-normal rainfall for Kirakira.

At Henderson and Honiara and Taro, the outlook shows below normal as the most likely outcome, with above normal the next most likely.

At Auki and Lata, the outlook shows normal rainfall as the most likely outcome, with below normal as the next most likely. Above normal is the least likely.

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

2. POAMA:

The outlook shows above-normal rainfall is the favoured or most likely outcome across the country, 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: $15 \leq X < 25$

Very High: $25 \leq X < 35$ Exceptional: $X \geq 35$

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

Product	Date: May 2019	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin	May 2019	<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	May 2019	<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	May 2019				
Ocean Bulletin	May 2019				
Total			26	24	2