Pacific Islands - Online Climate Outlook Forum (OCOF) No. 148

Country: Solomon Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Oct-2019	Noc-2019	Dec-2019				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Auki (1962-2019)	257.8	184.6	179.3	210.5	317.8	264.0	15/56
Henderson (1975-2019)	85.7	171.2	91.2	116.5	250.1	174.6	10/45
Honiara (1954-2019)	71.9	168.0	81.4	136.8	259.7	178.9	8/64
Kirakira (1965-2019)	284.4	166.0	239.0	208.2	350.4	251.1	24/52
Lata (1975-2019)	546.0	349.4	263.0	302.3	409.9	356.6	13/45
Munda (1962-2019)	188.8	216.8	101.8	216.6	323.6	279.4	4/58
Taro (1975-2019)	308.8	249.4	127.0	163.0	240.7	199.2	7/42

TABLE 2: Three-month Rainfall for October to December 2019

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 July-August 2019				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Auki (1962-2019)	621.7	Below normal	621.8	802.8	696.8	19/56	42	35	23	13	Consistent
Henderson (1975-2019)	348.1	Below normal	353.6	498.7	428.4	16/45	38	37	25	7	Consistent
Honiara (1954-2019)	321.3	Below normal	386.2	563.0	450.5	14/62	42	41	17	14	Consistent
Kirakira (1965-2019)	689.4	Normal	672.0	861.0	729.9	21/51	36	34	30	1	Near-consistent
Lata (1975-2019)	1158.4	Normal	996.9	1209.2	1107.1	27/45	41	28	31	11	Near-consistent
Munda (1962-2019)	507.4	Below normal	716.7	816.0	763.4	6/58	41	33	26	8	Consistent
Taro (1975-2019)	685.2	Normal	651.2	809.3	723.1	19/40	39	35	26	13	Near-consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for February to April 2020
Predictor and Period used: NINO3.4 for November to December 2019

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Auki (1962-2019)	53	1024.4	47		0	57
Henderson (1975-2019)	67	713.4	33		28	78
Honiara (1954-2019)	64	795.0	36		17	68
Kirakira (1965-2019)	62	983.5	38		16	71
Lata (1975-2019)	63	1170.3	37		24	73
Munda (1962-2019)	48	1043.0	52		-1	47
Taro (1975-2019)	54	811.4	46		1	63

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)	37	906.4	27	1107.1	36	-2	31
Henderson (1975-2019)	40	629.2	36	813.4	24	11	51
Honiara (1954-2019)	44	671.3	36	863.7	20	18	54
Kirakira (1965-2019)	44	830.1	39	1100.8	17	22	53
Lata (1975-2019)	42	1040.3	41	1274.2	17	21	46
Munda (1962-2019)	25	954.2	37	1127.3	38	4	29
Taro (1975-2019)	37	772.2	39	929.0	24	3	47

TABLE 4: Seasonal Climate Outlooks using POAMA2 for February to April 2020

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Honiara	**73**	642.0	12	801.0	15
Kirakira	**76**	711.0	6	1066.0	18
Lata	**73**	1010.0	6	1192.0	21
Munda	**67**	937.0	15	1260.0	18
Taro	**61**	793.0	9	944.0	30

Summary Statements

Rainfall for November 2019:

Rainfall in December was below normal for all stations except for Kirakira in the central region which recorded normal rainfall.

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

Rainfall was below normal for Auki, Honiara and Henderson in the central region, and Munda in the western region. Normal rainfall was observed at Kirakira, Lata and Taro. The verification of the outlook issued in September was consistent for Auki, Henderson, Honiara and Munda and near-consistent for Kirakira, Lata and Taro.

Outlooks for February to April 2020:

1. **SCOPIC:**
   At Auki the outlook is mixed with similar chances of below normal and above normal rainfall. Near normal is the least likely.

   At Henderson, Honiara and Kirakira the outlook shows below normal rainfall as the most likely outcome with normal the next most likely. Above normal is the least likely.

   At Lata and Taro the outlook shows near-equal likelihood of below normal and normal rainfall. Above normal is the least likely.

   At Munda it shows near-equal likelihood of above normal and normal rainfall. Below normal is the least likely.

2. **POAMA:**
   The outlook favours below normal rainfall across the country.

NB: The X LEPS % score has been categorised as follows:

Very Low: X < 0.0   Low: 0 ≤ X < 5   Moderate 5 ≤ X < 10   Good: 10 ≤ X < 15   High: 15≤ X < 25

Very High: 25 ≤X < 35 Exceptional: X ≥ 35

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

Product	Date: December 2019	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin		• Red Cross, NDMO, Ministry of Agriculture, SIBC, Hydrology, Solomon star, Paoa FM, World Vision, Glodridge Mining, Ministry of Mines and Energy, MEHRD	13	12	1
EAR Watch		• Red Cross, NDMO, Ministry of Agriculture, SIBC, Hydrology, Solomon star, Paoa FM, World Vision, Goldridge Mining, Ministry of Mines and Energy, MEHRD	13	12	1
Monthly Climate Briefing					
Ocean Bulletin		• Climate Change, NDMO, Environment, Tourism, Trade Co., Fisheries, Nature Conservancy, South Pacific Community	14	9	5
MalaClim		MEHRD, Prime Minister's Office, SIBC, Solomon star Newspaper	7	7	0
Total			47	40	7