Pacific Islands - Online Climate Outlook Forum (OCOF) No. 135

Country: Solomon Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Sep-2018	Oct-2018	Nov-2018				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Auki (1962-2018)	192.3	227.6	227.1	174.6	262.0	222.9	29/55
Henderson (1975-2018)	121.9	37.3	70.0	99.7	188.3	141.2	13/44
Honiara (1954-2018)	168	55.2	61.5	97.5	163.3	123.9	13/62
Kirakira (1965-2018)	623.1	256.2	367.8	173.4	279.1	228.2	**46/51**
Lata (1975-2018)	478.3	179.2	628.6	273.9	436.3	371.4	**44/44**
Munda (1962-2018)	191	202.2	245.4	183.0	274.6	240.3	33/57
Taro (1975-2018)	384.7	315	350.4	201.7	293.7	236.8	34/41

TABLE 2: Three-month Rainfall for September to November 2018

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 June-July 2018				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Auki (1962-2018)	647.0	Normal	591.6	694.2	645.9	28/ 55	39	30	31	6	Near-consistent
Henderson (1975-2018)	229.2	Below normal	291.0	390.2	358.4	7/43	40	39	21	11	Consistent
Honiara (1954-2018)	284.7	Below normal	310.0	415.7	362.2	19/61	38	33	29	6	Consistent
Kirakira (1965-2018)	1247.1	Above normal	637.4	849.6	755.9	**45/48**	38	32	30	10	Inconsistent
Lata (1975-2018)	1286.1	Above normal	995.6	1240.2	1061.5	33/44	38	35	27	7	Inconsistent
Munda (1962-2018)	638.6	Below normal	651.1	783.6	703.7	19/57	37	33	30	2	Consistent
Taro (1975-2018)	1050.1	Above normal	746.2	849.7	799.9	**35/39**	36	30	34	2	Inconsistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for January to March 2019
Predictor and Period used: NINO3.4 for October to November 2018

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Auki (1962-2018)	56	1183.5	44		1	58
Henderson (1975-2018)	58	749.3	42		1	61
Honiara (1954-2018)	68	849.8	32		8	60
Kirakira (1965-2018)	78	1022.9	22		27	72
Lata (1975-2018)	77	1276.6	23		24	74
Munda (1962-2018)	54	1142.0	46		-1	53
Taro (1975-2018)	56	768.7	44		0	56

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 (1962-2018)	41	992.0	29	1271.2	30	0	32
Henderson (1975-2018)	48	666.1	33	905.3	19	11	50
Honiara (1954-2018)	59	695.5	24	948.8	17	15	48
Kirakira (1965-2018)	57	875.2	39	1154.3	4	34	58
Lata (1975-2018)	50	1143.2	40	1383.3	10	18	54
Munda (1962-2018)	32	1046.1	40	1311.7	28	-2	37
Taro (1975-2018)	35	681.5	48	863.2	17	2	46

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

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Honiara	67	672.0	9	850.0	24
Kirakira	58	695.0	24	949.0	18
Lata	58	1079.0	18	1309.0	24
Munda	67	1008.0	9	1230.0	24
Taro	49	715.0	12	867.0	39

Summary Statements

Rainfall for November 2018:

In the central region Henderson and Honiara recorded below normal rainfall, normal for Auki and above normal for Kirakira. In the eastern region Lata recorded above normal rainfall. In the western region Munda recorded normal rainfall and above normal for Taro.
Kirakira recored its 6th wettest November while Lata recorded the wettest November on record

Accumulated rainfall for September to November 2018, including outlook verification:

Below normal rainfall was recorded for Henderson and Honiara in the central region, and Munda in the western region. Normal rainfall was observed at Auki in the central region. Above normal rainfall was observed at Kirakira in the central region, Lata in the eastern region and Taro in the western region.
Kirakira recorded the 4th while Taro recorded the 5th wettest September to November on record

Forecast verifications were Near-consistent for Auki, Consistent for Henderson, Honiara and Munda and inconsistent for Lata and Taro.

Outlooks for January to March 2019:

1. SCOPIC:

The outlook favours below normal rainfall for Honiara, Kirakira and Lata with normal as the next most likely outcome. Above normal is the least likely.
The outlook shows below normal as the most likely outcome for Auki and Henderson, with above normal and below normal respectively as the next most likely.
Forecast for Munda and Taro shows normal as the most likely outcome, with below normal the next most likely. Above normal is the least likely.

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.

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

Country	Date: October 2018	Stakeholder	Total Number of Participants	Number of male	Number of female
Solomon Islands	November 2018	Ministry of Health - **Vector Borne Division (note: Direct engagement with this sector**	1	1	0
Solomon Islands	November 2018	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

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