

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 134

Country: Solomon Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Aug-2018	Sep-2018	Oct-2018				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Auki (1962-2018)	328.9	192.3	227.6	177.6	235.8	200.1	36/56
Henderson (1975-2018)	138.8	121.9	37.3	55.3	127.3	95.2	7/44
Honiara (1954-2018)	85.0	168.0	55.2	74.1	154.3	98.0	13/62
Kirakira (1965-2018)	120.8	623.1	256.2	164.0	310.4	224.0	27/51
Lata (1975-2018)	150.5	478.3	179.2	311.3	453.4	372.1	5/44
Munda (1962-2018)	267.7	191.0	202.2	205.6	254.9	232.3	18/57
Taro (1975-2018)	363.8	384.7	315.0	240.8	298.0	257.3	29/40

**TABLE 2: Three-month Rainfall for August to October 2018**

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 May-June 2018				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Auki (1962-2018)	748.8	Above normal	539.9	704.4	612.4	42/56	35	32	33	0	Inconsistent
Henderson (1975-2018)	298.0	Normal	246.4	323.3	274.3	26/44	33	34	33	3	Near-consistent
Honiara (1954-2018)	308.2	Normal	257.1	359.8	298.1	33/62	34	34	32	-1	Near-consistent
Kirakira (1965-2018)	1000.1	Above normal	626.0	941.1	781.7	36/48	34	35	31	10	Near-consistent
Lata (1975-2018)	808.0	Below normal	934.2	1155.8	1090.6	10/44	34	33	33	2	Near-consistent
Munda (1962-2018)	660.9	Below normal	676.2	817.9	750.0	15/57	34	34	32	-1	Near-consistent
Taro (1975-2018)	1063.5	Above normal	776.4	907.7	850.0	35/39	32	34	34	1	Near-consistent

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for December 2018 to February 2019**

Predictor and Period used: NINO3.4 for September to October 2018

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Auki (1962-2018)	64	1031.8	36		10	61
Henderson (1975-2018)	64	759.6	36		11	67
Honiara (1954-2018)	72	706.7	28		18	67
Kirakira (1965-2018)	74	966.5	26		24	65
Lata (1975-2018)	61	1136.2	39		5	58
Munda (1962-2018)	48	1099.6	52		-2	45
Taro (1975-2018)	61	670.2	39		7	69

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)	38	903.9	42	1193.6	20	6	44
Henderson (1975-2018)	47	588.8	33	839.4	20	11	53
Honiara (1954-2018)	49	631.4	36	885.8	15	15	56
Kirakira (1965-2018)	53	795.8	34	1088.6	13	23	56
Lata (1975-2018)	44	1034.8	41	1253.0	15	9	44
Munda (1962-2018)	23	936.9	45	1229.7	32	1	54
Taro (1975-2018)	42	621.2	37	774.4	21	10	46

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for December 2018 to February 2019**

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Honiara	64	496.0	18	708.0	18
Kirakira	70	592.0	9	873.0	21
Lata	64	1015.0	15	1207.0	21
Munda	67	871.0	9	1213.0	24
Taro	27	618.0	9	774.0	64

## **Summary Statements**

### **Rainfall for October 2018:**

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

### **Accumulated rainfall for August to October 2018, including outlook verification:**

Below normal rainfall was recorded for Lata in the eastern region and Munda in the western region. Normal rainfall was observed at Henderson and Honiara in the central region. Above normal rainfall was observed at Auki and Kirakira in the central region and Taro in the western region. Forecast verifications were Near-consistent for all stations except for Auki was inconsistent.

### **Outlooks for December 2018 to February 2019:**

#### **1. SCOPIC:**

The outlook favours below normal rainfall for Kirakira in the eastern region. The outlook also shows below normal as the most likely outcome for Henderson, Honiara and Taro, with normal as the next most likely outcome. Above is the least likely.

Lata shows a near-equal likelihood of below normal and normal rainfall and forecast for Auki and Munda shows normal as the most likely outcome, with below and above normal the next most likely respectively.

#### **2. POAMA:**

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

**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	October 2018	Ministry of Health - <b>Vector Borne Division</b> (note: Direct engagement with this sector)	1	1	0
Solomon Islands	October 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:  $0 \leq X < 5$

Moderate  $5 \leq X < 10$

Good:  $10 \leq X < 15$

High:  $15 \leq X < 25$

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