

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

Country: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)	Sep-2018	Oct-2018	Nov-2018				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Beru (1932-2018)	19.4	18.9	62.1	203.0	345.0	278.0	13/65
Butaritari (1931-2018)	327.0	95.3	158.2	5.6	61.0	13.2	31/80
Kanton (1937-2018)	57.1	31.5		15.9	64.8	33.6	24/58
Kiritimati (1921-2018)	4.5	0.3	5.1	135.1	315.3	228.7	10/92
Tarawa (1950-2018)	168.5	24.4	65.3	60.3	254.0	122.0	14/69

**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	
Beru (1932-2018)	100.4	Below normal	394.5	598.3	491.2		10.5	50.1	39.4	42	Near-consistent
Butaritari (1931-2018)	580.5	Above normal	43.2	107.3	65.2	8/80	12.4	47.1	40.5	34	Near-consistent
Kanton (1937-2018)			19.6	55.0	40.0	27/57	25.9	28.9	45.2	27	
Kiritimati (1921-2018)	9.9	Below normal	165.9	396.5	275.6	2/92	21.2	33.3	45.5	21	Inconsistent
Tarawa (1950-2018)	258.2	Above normal	85.7	213.7	144.0	6/69	5	47	48	52	Consistent

**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]
Beru (1932-2018)	9	292.3	91		46	76
Butaritari (1931-2018)	31	870.8	69		12	70
Kanton (1937-2018)	16	85.0	84		29	75
Kiritimati (1921-2018)	18	218.2	82		32	73
Tarawa (1950-2018)	17	647.9	83		33	78

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Beru (1932-2018)	4	143.1	30	493.0	66	35	62
Butaritari (1931-2018)	17	673.3	30	1111.3	53	12	51
Kanton (1937-2018)	7	38.9	11	167.4	82	33	51
Kiritimati (1921-2018)	11	30.0	15	295.4	74	30	49
Tarawa (1950-2018)	8	29.0	30	934.8	62	29	63

**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)
Tarawa	15	255.0	12	862.0	73
Tabuaeran	9	185.0	5	514.0	86
Kiritimati	15	115.0	5	376.0	80
Kanton	12	15.0	5	141.0	83
Butaritari	21	704.0	6	1217.0	73
Arorae	5	138.0	16	713.0	79

## **Summary Statements**

### **Rainfall for November 2018:**

Beru and Kiritimati were recorded below normal rainfall, Tarawa was normal while Butaritari was above normal

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

Beru and Kiritimati were recorded below normal rainfall while Butaritari and Tarawa were above normal. Forecast is inconsistent for Kiritimati, Tarawa is consistent while Near-consistent for Beru and Butaritari.

### **Outlooks for January to March 2019:**

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

The outlook for JFM shows above normal rainfall for Beru, Butaritari, Kanton, Kiritimati and Tarawa as the most likely outcome with normal the next most likely.

Forecast skill: very high to exceptional

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

All stations favour above normal rainfall.

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

<b>Country</b>	<b>Date: November 2018</b>	<b>Stakeholder</b>	<b>Total Number of Participants</b>	<b>Number of male</b>	<b>Number of female</b>

**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:  $X \geq 35$