

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 110

**Country Name:** Kiribati

**TABLE 1: Monthly Rainfall**

Station (include data period)	October 2016						
	August 2016 Total	September 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Butaritari	143	31.4	14.3	100.5	195.3	148.4	4/75
Tarawa	56.2	20.9	31.8	42.3	125.6	74.7	21/67
Beru	68.4	22	13.6	19	63.4	35.2	15/61
Kanton	119	22.3	12.1	6.9	30.2	14.1	28/57
Kiritimati	14.1	0	3.5	4.0	18.0	11.0	28/92

**TABLE 2: Three-monthly Rainfall  
August to October 2016**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #106]

Station	Three-month Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking	Forecast probs.* (include LEPS)	Verification* (Consistent, Near-consistent, Inconsistent?)
Butaritari	188.7	351.3	629	537.2	6/74	6/35/59(22.5)	Inconsistent
Tarawa	108.9	202.3	468.8	281.2	12/67	3/28/69(36.5)	Inconsistent
Beru	104.0	104.3	200.3	133.0	21/60	7/13/80(25.8)	Inconsistent
Kanton	153.4	81.9	173.4	127.5	33/54	13/17/70(24.1)	Near-Consistent
Kiritimati	17.6	26.8	58.0	43.1	19/89	20/33/47(4.8)	Inconsistent

Period: \*below normal/normal/above normal

Predictors and Period used for August to October 2016 Outlooks (refer to OCOF #106):

### NINO 3.4 SST anomalies (2 mths)

\* Forecast is consistent when observed and predicted (tercile with the highest probability) categories coincide (are in the same tercile).

Forecast is near-consistent when observed and predicted (tercile with the highest probability) differ by only one category (i.e. terciles 1 and 2 or terciles 2 and 3).

Forecast is inconsistent when observed and predicted (tercile with the highest probability) differ by two categories (i.e. terciles 1 and 3).

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for  
December 2016 to February 2017**

**Predictors and Period used: NINO 3.4 SST anomalies (2 mths)**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Butaritari	62.6	865	37.4		11.9	72.3
Tarawa	70.3	690.4	29.7		30.7	81.8
Beru	78.8	363.6	21.2		44.1	82.4
Kanton	72.5	61	27.5		26.3	75.0
Kiritimati	81.9	117	29.7		42.7	81.2

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Butaritari	43	622	36	1052.8	21	16.2	54.7
Tarawa	57	394.1	33	863.1	10	43.3	63.6
Beru	53	191.5	39	666.3	8	40.6	54.9
Kanton	51	31.1	46	205.9	3	45	63
Kiritimati	50	64.2	47	157.0	3	39.4	50.8

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for  
December 2016 to February 2017**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Tarawa	73	397	6	820	21		
Tabuaeran	88	44	5	399	7		
Kiritimati	95	50	5	147	0		
Kanton	91	6	5	213	4		
Butaritari	61	618	6	1064	33		
Arorae	85	158	5	837	10		

## **Summary Statements**

### **Rainfall for October 2016:**

Below normal for all stations except Kanton where rainfall was normal.

### **Accumulated rainfall for August to October 2016, including outlook verification:**

The Kiribati stations recorded below normal rainfall in the last three months, except Kanton which recorded normal rainfall. The verification was in consistent for Tarawa, Beru, Kiritimati and Butaritari whereas Kanton was near consistent.

### **Outlooks for December 2016 to February 2017:**

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

The Kiribati outlook for the December 2016 to February 2017 favours below normal for Tarawa, Beru, Butaritari and Kanton, with normal the next most likely.. For Kiritimati the outlook shows a near equal likelihood of getting below normal and normal rainfall. Above normal is the least likely.

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

All Kiribati Stations favour below normal rainfall.

**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:  $X \geq 35$