

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 108

**Country Name: KIRIBATI**

**TABLE 1: Monthly Rainfall**

Station (include data period)	August 2016						
	June 2016 Total	July 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru	57.2	7.2	68.4	43.0	87.0	62.6	35/62
Butaritari	102.6	175.9	143	141.2	252.4	201.5	27/77
Kanton	58	78.9	119	35.6	90.0	50.3	46/59
Kiritimati	0	5	14.1	7.4	24.3	13.2	48/92
Tarawa	123.4	60.4	56.2	65.1	169.1	105.2	20/67

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

[Please note that the data used in this verification should be sourced from table 3 of OCOF #104]

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?)
Beru	132.8	156.7	314.3	211	15/58	9/10/ <b>81</b> (8.6)	Inconsistent
Butaritari	421.5	628.2	857.3	756.9	5/73	32/26/ <b>42</b> (-3.9)	Inconsistent
Kanton	255.9	177.1	288.5	243	33/59	<b>35</b> /31/34 (-4.3)	Near consistent
Kiritimati	19.1	77.1	167.8	124.0	8/92	<b>41</b> /26/33 (-3.0)	Consistent
Tarawa	240	269.4	540.4	368.8	18/67	19/19/ <b>62</b> (2.0)	Inconsistent

Period: \*below normal/normal/above normal

Predictors and Period used for June to August 2016 Outlooks (refer to OCOF #104):

### 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  
October to December 2016**

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

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Beru	68.4	214	31.6		59.5	88
Butaritari	64.3	557.5	35.7		39	82
Kanton	66	42.4	34		36.2	76.1
Kiritimati	71.9	46.8	28.1		38.2	75.4
Tarawa	73	339.5	27		49.8	83.3

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru	33	117.0	59	326	8	58.3	72
Butaritari	41	488	44	723	15	42.1	62.3
Kanton	44	30.1	50	91.9	6	46	63
Kiritimati	44	24.8	46	73.4	10	38	61.5
Tarawa	40	253.5	55	559.3	5	59.8	72.7

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

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Kanton	24	24	33	93	42		
Tarawa	18	277	61	682	21		
Tabuaeran	5	61	31	299	64		
Kiritimati	5	26	59	96	36		
Butaritari	33	484	45	783	21		
Arorae	33	152	21	580	45		

## **Summary Statements**

### **Rainfall for August 2016:**

Total rainfall recorded in August at Beru, Butaritari and Kiritimati was normal, above normal in Kanton and below normal in Tarawa.

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

The three month total rainfalls from June to August 2016 are below normal at Beru, Butaritari, Kiritimati and Tarawa. The observed rainfall was inconsistent with the forecast except at Kiritimati where the outlook was consistent with the forecast.

Kanton recorded normal rainfall with near consistent outlook verification.

Butaritari ranks the 5<sup>th</sup> over 73 and Kiritimati ranks the 8<sup>th</sup> out of 92.

### **Outlooks for October to December 2016:**

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

The Kiribati stations for this coming season favour normal rainfall for Tarawa, Kanton and Beru, with below normal the next most likely.

Butaritari and Kiritimati outlook for 3 month shows a near equal likelihood of normal and below normal rainfall. Above normal is least likely.

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

The seasonal three month outlook favours above normal in Kanton, Tabuaeran and Arorae. Tarawa, Kiritimati and Butaritari favour normal rainfall for October to December 2016.

**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:  $X \geq 35$