

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 101

**Country Name: KIRIBATI**

**TABLE 1: Monthly Rainfall**

Station (include data period)	January 2016						
	November 2015 Total	December 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru	208.0	-	-	60.3	264.3	127.0	-
Butaritari	107.6	174	361	203.0	354.0	284.5	52/77
Kanton	164.6	381.9	428.8	4.8	65.7	12.3	53/55
Kiritimati	454.4	666.8	720.0	16.7	66.9	34.7	86/88
Tarawa	261.4	272	521.7	138.9	315.3	229.1	62/67

**TABLE 2: Three-monthly Rainfall  
November 2015 to January 2016**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #97]

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	-	206.9	582.0	284	-	0/2/98 (53.1)	-
Butaritari	642.6	588.0	907.8	769.0	27/74	0/4/96 (36.5)	Near-consistent
Kanton	975.3	26.0	142.5	58.4	44/50	0/4/96 (33.2)	Consistent
Kiritimati	1841.2	32.3	102.2	43.4	74/74	0/1/99 (41.2)	Consistent
Tarawa	1055.1	333.7	740.4	506.0	54/66	0/10/90 (39.5)	Consistent

Period: \*below normal/normal/above normal

Predictors and Period used for November to January 2016 Outlooks (refer to OCOF #97):

**Nino 3.4 SST Anomalies extended (2mths)**

\* 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  
March to May 2016**

**Predictors and Period used: SSTa's 1 and 9 (3mths)**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Beru	2	264.0	98		26.1	70.6
Butaritari	16	947.1	84		6.1	64.1
Kanton	12	167.5	88		10.4	66.7
Kiritimati	12	319.6	88		11.2	60.9
Tarawa	20	503.3	80		4.6	56.1

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru	1	149.6	4	380.0	96	23.9	54.9
Butaritari	8	793.0	52	1100.0	40	7.3	54.7
Kanton	8	128.6	10	224.8	82	8.6	43.8
Kiritimati	7	287.8	7	407.3	87	11.1	39.1
Tarawa	5	339.3	47	646.0	48	7.8	42.4

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for  
March to May 2016**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Arorae	5	247	5	716	90		
Butaritari	85	651	10	1129	5		
Kanton	5	65	5	191	90		
Kiritimati	5	247	5	455	90		
Tabuaeran	15	296	15	548	70		
Tarawa	52	329	21	811	27		

## **Summary Statements**

### **Rainfall for January 2016:**

Butaritari, Kanton, Kiritimati and Tarawa record above normal rainfall for January 2016. Kanton and Kiritimati rainfall both ranks third on record and Tarawa ranks sixth.

### **Accumulated rainfall for November to January 2016, including outlook verification:**

Butaritari records normal rainfall from November to January 2016, and outlook verification is Near-consistent.

Kanton, Kiritimati and Tarawa records above normal rainfall from November to January 2016 and outlook verification are all consistent. Kiritimati rainfall was highest on record for the three months.

### **Outlooks for March to May 2016:**

#### **1. SCOPIIC:**

The seasonal rainfall outlook for March to May favours above normal for Beru, Kanton and Kiritimati.

For Butaritari: the most likely outcome is normal with above normal the next most likely.

For Tarawa: the seasonal rainfall outlook for March to May shows a near equal likelihood of normal and above-normal rainfall. Below normal rainfall is the least likely.

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

The seasonal rainfall outlook for March to May in Poama favours above normal for Arorae, Kanton, Kiritimati and Tabuaeran and below normal for Butaritari and Tarawa.

**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:  $X \geq 35$