

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 100

**Country Name: KIRIBATI**

**TABLE 1: Monthly Rainfall**

Station (include data period)	December 2015						
	October 2015 Total	November 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru	-	208	-	61	182	108	-
Butaritari	164.5	107.6	174	184	325.4	260.5	25/77
Kanton	216.9	164.6	381.9	4.5	35.7	17.8	53/57
Kiritimati	250.6	454.4	666.8	4.3	45.1	13.9	82/82
Tarawa	250.1	261.4	272	98.2	258.9	181.3	45/66

**TABLE 2: Three-monthly Rainfall  
October to December 2015**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #96]

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	-	117	326	214	-	0/0/100 (56.6)	-
Butaritari	446.1	487.1	726	560.8	20/73	0/2/98 (46.1)	Inconsistent
Kanton	763.4	29.9	86.7	41.9	50/54	0/2/98 (41.7)	Consistent
Kiritimati	1371.8	24.5	71.9	46.8	74/75	0/2/98 (37.4)	Consistent
Tarawa	783.5	251.9	532.7	329.3	54/66	0/1/99 (60.2)	Consistent

Period: \*below normal/normal/above normal

Predictors and Period used for October to December 2015 Outlooks (refer to OCOF #96):  
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  
February to April 2016**

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

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Beru	0.3	235	99.7		46.1	78.4
Butaritari	9.8	954.5	90.2		14.5	71.4
Kanton	5.2	132.2	94.8		18.8	67.3
Kiritimati	4.9	322.7	95.1		21.3	68.3
Tarawa	7.2	564.2	92.8		19.6	72.3

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru	0.0	104.7	1.3	394.7	<b>98.7</b>	43.6	58.8
Butaritari	1.9	758.0	24.8	1115.0	<b>73.3</b>	18.5	57.1
Kanton	1.0	74.4	0.1	185.9	<b>98.9</b>	24.0	57.1
Kiritimati	1.7	257.4	4.1	394.4	<b>94.2</b>	22.1	55.6
Tarawa	0.8	342.1	43.8	841.2	<b>55.3</b>	23.1	55.4

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

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Butaritari	52	651	15	1129	33		
Kanton	6	65	5	191	89		
Kirimati	15	247	5	455	80		
Tarawa	36	329	21	811	43		

## **Summary Statements**

### **Rainfall for December 2015:**

Rainfall in December was above normal in Western Kiribati at Tarawa, the Line and Phoenix group at Kiritimati and Kanton. Below normal rainfall was recorded in northern part of Western Kiribati at Butaritari.

Kiritimati in the Line Islands recorded its highest rainfall of 666.8 mm. The previous record for Kiritimati was 461.9 mm set in 1997.

### **Accumulated rainfall for October to December 2015, including outlook verification:**

Rainfall over the last three months was above normal in Western Kiribati at Tarawa and the Line and Phoenix group at Kiritimati and Kanton. Below normal rainfall was recorded in the northern part of Western Kiribati at Butaritari.

Outlook verifications were consistent at three stations and one was inconsistent.

### **Outlooks for February to April 2016:**

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

All Kiribati stations are favour above normal rainfall for the coming three month with normal the next most likely.

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

The rainfall for this coming season for Kiritimati, Kanton and Tarawa favours above normal whereas Butaritari was 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:  $X \geq 35$