

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 97

**Country Name:** Kiribati

**TABLE 1: Monthly Rainfall**

Station (include data period)	September 2015						
	July 2015 Total	August 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Kanton	224	165.8	-	20.1	51.5	40.0	-
Kiritimati	417.3	171.7	124.9	4.0	15.4	8.0	81
Tarawa	171.9	233.1	358.5	55.1	142.8	84.3	64
Butaritari	87.8	176.7	178.6	113.3	177.3	136	52
Beru	135.8	-	-	28.1	68.0	43.3	-

**TABLE 2: Three-monthly Rainfall  
July to September 2015**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #93]

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?)
Kanton	-	138.2	219.0	170.9	-	17/43/40 (0.7)	-
Kiritimati	713.9	42.6	101.3	72.1	88/88	26/29/45 (-0.1)	Consistent
Tarawa	763.5	195.8	543.6	335.0	56/66	6/14/80 (19.7)	Consistent
Butaritari	443.1	506.3	743.0	634.0	16/73	5/35/60 (13.5)	Inconsistent
Beru	-	130.7	292.5	173.5	-	3/13/84 (23.8)	-

Period: \*below normal/normal/above normal

Predictors and Period used for July to September 2015 Outlooks (refer to OCOF #93):

### 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  
November 2015 to January 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
Tarawa	1	506.0	99		42.9	80.0
Beru	0	284.0	100		49.2	84.3
Butaritari	1	769.0	99		39.7	77.4
Kanton	2	58.4	98		36.2	81.8
Kiritimati	1	43.4	99		43.4	82

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Tarawa	0	333.7	10	740.4	90	39.5	60
Kiritimati	0	32.3	1	102.2	99	41.2	60.7
Beru	0	206.9	2	582.0	98	53.1	64.7
Butaritari	0	588.0	4	907.8	96	36.5	66.1
Kanton	0	26.0	4	142.5	96	33.2	59.1

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for  
November 2015 to January 2016**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Butaritari	52	524	9	953	39		
Arorae	6	156	5	689	89		
Kanton	9	10	5	219	86		
Kiritimati	12	25	5	169	83		
Tabuaeran	5	34	5	362	90		
Tarawa	27	351	6	759	67		

## **Summary Statements**

### **Rainfall for September 2015:**

All Kiribati stations are above normal rainfall for September 2015, Kiritimati rank 81 out of 88 while Tarawa ranks 64 out of 65.

### **Accumulated rainfall for July to September 2015, including outlook verification:**

July to September 2015 was above normal rainfall for Kiritimati and Tarawa. Butaritari was below normal. The verification was consistent for both Tarawa and Kiritimati. Butaritari was inconsistent. The level of skill was very low to very high.

### **Outlooks for November 2015 to January 2016:**

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

The Kiribati outlook for November 2015 to January 2016 favours above normal rainfall, with normal the next most likely. Confidence in the outlook is exceptional.

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

All Stations are favoured to have above normal rainfall, except Butaritari where the outlook is for 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:  $X \geq 35$