

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 67

**Country Name: KIRIBATI**

**TABLE 1: Monthly Rainfall**

Station (include data period)			March 2013				
	January 2013 Total	February 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru (1932- 2013)	40.5	50.1	n/a	19.3	134.7	55.3	n/a
Butaritari (1931 -2013)	243.4	486	n/a	202.0	402.0	290.5	n/a
Kanton (1937 – 2013)	4.2	7	135.5	18.8	53.8	27.0	50/56
Kiritimati (1921 -2013)	37.4	93.6	131.0	76.8	142.2	106.1	56/88
Tarawa (1950- 2013)	113	250	128.6	107.3	254.4	171.0	28/64

**TABLE 2: Three-monthly Rainfall**

**January 2013 to March 2013**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #63]

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 (1932- 2013)	n/a	135.3	511.0	304.0	n/a	6/12/82 (29.7)	n/a
Butaritari (1931 -2013)	n/a	724.7	1121.7	926.7	n/a	22/37/41 (10.8)	n/a
Kanton (1937 – 2013)	146.7	37.8	167.4	85.0	34/52	18/21/62 (22.8)	Near-Consistent
Kiritimati (1921 -2013)	262.0	160.1	301.8	221.6	49/86	10/26/64 (25.9)	Near-Consistent
Tarawa (1950- 2013)	491.6	347.5	934.8	647.9	29/64	18/24/58 (17.0)	Near-consistent

\* 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).

Period: \*below normal/normal/above normal

Predictors and Period used for January 2013 to March 2013 Outlooks (refer to OCOF #63):  
**SST'a 1 and 9 (Sept-Nov)**

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for  
May to July 2013**

**Predictors and Period used: SST'a 1 and 9 (Jan-Mar)**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Beru (1932- 2013)	55.4%	230.0	44.6%		9.4%	64.6%
Butaritari (1931 -2013)	48.2%	820.2	51.8%		-2.9%	43.3%
Kanton (1937 – 2013)	51.0%	210.8	49.0%		1.5%	53.5%
Kiritimati (1921 -2013)	48.7%	178.0	51.3%		-1.9%	47.6%
Tarawa (1950- 2013)	49.4%	403.6	50.6%		8.8%	58.7%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru (1932- 2013)	38.8%	171.0	<b>41.3%</b>	283.0	19.9%	10.2%	45.8%
Butaritari (1931 -2013)	<b>32.7%</b>	712.0	29.7%	896.0	<b>37.6%</b>	-1.2%	41.7%
Kanton (1937 – 2013)	<b>33.4%</b>	177.6	<b>32.7%</b>	267.8	<b>34.0%</b>	-2.7%	20.9%
Kiritimati (1921 -2013)	<b>40.1%</b>	115.7	25.9%	245.6	34.0%	0.6%	39.7%
Tarawa (1950- 2013)	30.1%	330.7	<b>40.2%</b>	510.2	29.8%	5.0%	46.0%

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for  
May to July 2013**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Tarawa	30	370	53	554	17		
Tabuaeran	30	315	53	622	17		

### **Summary Statements**

#### **Rainfall for March 2013:**

Normal to Above normal rainfall observed in all the 3 observation stations

#### **Accumulated rainfall for January 2013–March 2013, including outlook verification:**

Normal rainfall recorded in all the three stations (Tarawa, Kanton and Kiritimati) instead of Above Normal been forecasted. Hence, forecasts are near consistent.

#### **Outlooks for April–June 2013:**

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

Normal to Below Normal rainfall expected in Beru, Kiritimati and Tarawa station with moderate to very low level of skills. Climatology forecasts expected for the remaining stations (Butaritari, and Kanton)

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

Normal rainfall predicted both in Tarawa (western region) and Tabuaeran (Eastern region).

**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:  $X \geq 35$