

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 69

**Country Name: KIRIBATI**

**TABLE 1: Monthly Rainfall**

Station (include data period)	May 2013						
	March 2013 Total	April 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru (1932:2013)	52.5	51.4	36.7	40.3	98.0	68.4	21/61
Butaritari(1931:2013)	100.3	274.3	166.5	226.0	332.0	302.9	14/74
Kanton (1937:2013)	135.5	78.9		47.8	91.2	60.3	
Kiritimati(1921:2013)	131	528.2	114.8	33.9	102.2	55.7	67/89
Tarawa(1950:2013)	128.6	310	47.3	96.7	170.6	141.2	10/64

**TABLE 2: Three-monthly Rainfall  
March to May 2013**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #65]

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	140.6	153.8	379.0	264.0	19/58	11/30/59 (22.3)	Inconsistent
Butaritari	541.1	793.0	1188.0	944.0	15/74	23/43/34 (6.6)	Near-consistent
Kanton		121.4	216.2	167.2		25/37/38 (6.7)	
Kiritimati	774	286.5	394.0	311.2	81/87	27/27/46 (11.1)	Consistent
Tarawa	485.9	329.8	634.6	489.2	32/64	23/37/40 (6.9)	Near-consistent

Period: \*below normal/normal/above normal

**Predictors and Period used for March to May 2013 Outlooks (refer to OCOF #65):**

\* 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 July to September 2013**

**Predictors and Period used: SST Indices 1 and 9 (3 mths) 1949 - 2013**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Beru	60.6%	180.0	39.4%		12.2%	63.3%
Butaritari	55.3%	640.0	44.7%		10.9%	66.7%
Kanton	60.2%	171.4	39.8%		1.1%	52.3%
Kiritimati	63.7%	72.1	36.3%		2.9%	56.5%
Tarawa	51.7%	335.0	48.3%		12.6%	73.0%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru	37.3%	133.3	48.6%	314.5	14.1%	22.2%	46.9%
Butaritari	35.3%	510.9	31.9%	746.0	32.8%	5.7%	40.0%
Kanton	36.0%	135.0	39.0%	223.0	25.0%	-2.3%	31.8%
Kiritimati	43.4%	42.9	27.6%	101.0	29.0%	0.9%	29.0%
Tarawa	43.0%	198.5	38.7%	547.1	18.3%	18.2%	41.3%

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

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Tarawa	5	270	90	636	5		
Tabuaeran	5	83	90	317	5		

## **Summary Statements**

### **Rainfall for May 2013:**

Most of the data reported from all stations are having a below normal rainfall except for Kiritimati Island with above normal rainfall of 114.8.

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

Total rainfall for March to May 2013, Kiritimati is above normal and is consistent, Beru is below normal and is inconsistent. Tarawa is normal while Butaritari is below normal with both verification of near consistent.

### **Outlooks for July–September 2013:**

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

The coming three months rainfall (July to September), Tercile outlook for Beru and Kanton prediction favoured normal rainfall with high level of skill for Beru and a very low level of skill for Kanton. Kiritimati and Tarawa prediction favoured a below normal rainfall with low level of skill for Kiritimati and high level of skill for Tarawa.

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

Normal rainfall favoured in the coming 3 months period (July-September) for both Tarawa and Tabuaeran.

**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:  $X \geq 35$