

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	41.3%	283.0	19.9%	10.2%	45.8%
Butaritari (1931 -2013)	32.7%	712.0	29.7%	896.0	37.6%	-1.2%	41.7%
Kanton (1937 – 2013)	33.4%	177.6	32.7%	267.8	34.0%	-2.7%	20.9%
Kiritimati (1921 -2013)	40.1%	115.7	25.9%	245.6	34.0%	0.6%	39.7%
Tarawa (1950- 2013)	30.1%	330.7	40.2%	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: $X \geq 35$