

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 79

Country Name: KIRIBATI

TABLE 1: Monthly Rainfall

Station (include data period)	March 2014						
	January 2014 Total	February 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru (1932:2013)	-	9.0	262.2	19.7	133.3	53.9	54/61
Butaritari (1931:2013)	244.9	106.2	187.4	191.7	402.0	282.0	25/76
Kanton (1937:2013)	13.6	91.9	326	19.2	55.3	27.1	54/57
Kiritimati (1921:2013)	0.5	1.6	69.9	77.0	142.0	106.6	23/89
Tarawa (1950:2013)	237.5	179.9	310.9	112.8	246.2	170.1	51/65

**TABLE 2: Three-monthly Rainfall
January to March 2014**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #75]

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)	-	138.7	502.0	291.5	-	40/37/23 (24.4)	-
Butaritari (1931:2013)	538.5	726.3	1120.3	904.5	18/76	38/34/28 (10.6)	Consistent
Kanton (1937:2013)	431.5	38.4	163.6	97.9	45/53	43/42/15 (18.6)	Inconsistent
Kiritimati (1921:2013)	72	161.8	299.8	222.9	15/87	38/35/27 (8.1)	Consistent
Tarawa (1950:2013)	728.3	348.3	929.3	590.6	34/65	38/38/24 (18.0)	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 to March 2014 Outlooks (refer to OCOF #75):
SOI values (3 mths) Jan 1876- Nov 2013

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for
May to July 2014**

Predictors and Period used: NINO 3.4 SST Anomalies extended Jan-March

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Beru (1932:2013)	55.1	229.5	44.9		0.9	56.3
Butaritari (1931:2013)	54.1	820.2	45.9		-0.4	55.9
Kanton (1937:2013)	54.3	211.0	45.7		-0.4	53.5
Kiritimati (1921:2013)	53.9	177.0	46.1		0.1	50.8
Tarawa (1950:2013)	57.9	403.0	42.1		4.6	57.8

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru (1932:2013)	34.1	172.0	41.1	282.0	24.8	0.9	37.5
Butaritari (1931:2013)	38.4	712.0	32.3	896.0	29.3	0.7	42.4
Kanton (1937:2013)	32.1	178.3	36.9	268.0	31.0	-2.0	41.9
Kiritimati (1921:2013)	31.4	118.3	42.9	244.9	25.7	1.3	42.9
Tarawa (1950:2013)	38.7	327.2	34.8	509.8	26.5	2.9	43.8

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
May to July 2014**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Tabuaeran	18.2	391	21.2	814	60.6		
Tarawa	12.1	364	57.6	681	30.3		

Summary Statements

Rainfall for March 2014:

Beru, Kanton and Tarawa stations record above normal rainfall.

Butaritari and Kiritimati record below normal rainfall

Accumulated rainfall for January to March 2014, including outlook verification:

Butaritari and Kiritimati rainfall in the last three months record below normal and both are Consistent.

Tarawa records normal rainfall and Near Consistent.

Kanton records above normal rainfall and Inconsistent.

Outlooks for May-July 2014:

1. SCOPIC:

The seasonal rainfall outlook for May to July 2014 shows the most likely outcome for:

Beru, Kanton and Kiritimati is normal; whereas Butaritari and Tarawa is below normal.

The least likely category for all stations is above-normal.

Confidence in the outlook is very low to low.

2. POAMA:

Tabuaeran favours above normal rainfall and Tarawa favours normal.

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: $X \geq 35$