

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 76

Country Name: KIRIBATI

TABLE 1: Monthly Rainfall

Station (include data period)	December 2013						
	October 2013 Total	November 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru (1932:2013)	66.2	47.3	107.3	61.0	200.7	115.1	29/60
Butaritari(1931:2013)	188.7	218.4	270.9	187.3	327.1	260.5	40/75
Kanton (1937:2013)	67.2	31.1	97.8	4.3	29.9	16.8	41/56
Kiritimati(1921:2013)	17	45.5	0.7	4.4	46.4	15.0	5/80
Tarawa(1950:2013)	163.6	9.4	139.8	95.8	258.7	181.3	29/64

**TABLE 2: Three-monthly Rainfall
October to December 2013**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #72]

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)	220.8	124.0	339.7	214.0	30/58	65.7/23.6/10.7 (40.6)	Near consistent
Butaritari(1931:2013)	678	485.2	732.0	560.8	45/71	57.5/34.4/8.1 (30.9)	Near consistent
Kanton (1937:2013)	196.1	29.7	83.3	41.0	40/53	42.1/51.5/6.4 (34.0)	Near consistent
Kiritimati(1921:2013)	63.2	24.2	71.0	46.4	47/73	60.4/27.0/12.6 (20.2)	Near consistent
Tarawa(1950:2013)	312.8	248.8	559.3	329.3	30/64	76.3/21.5/2.2 (45.6)	Near consistent

Period: *below normal/normal/above normal

* 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).

Predictors and Period used for October to December 2013 Outlooks (refer to OCOF #72):

SSTa's 1 and 9 (June-Aug), Jan 1949-August 2013

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for
February to April 2014**

Predictors and Period used: SSTa's 1 and 9 (3 mths), Jan 1949 to December 2013

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Beru (1932:2013)	41.7	201.5	58.3		40.4	74.0
Butaritari(1931:2013)	48.0	966.0	52.0		7.8	61.9
Kanton (1937:2013)	30.6	127.4	69.4		13.1	58.3
Kiritimati(1921:2013)	63.1	319.9	36.9		13.3	69.4
Tarawa(1950:2013)	49.3	549.2	50.7		15.1	65.6

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru (1932:2013)	11.4	102.0	34.5	394.0	54.1	44.3	60.0
Butaritari(1931:2013)	19.1	750.0	63.8	1120.0	17.1	15.2	54.0
Kanton (1937:2013)	30.1	74.1	34.9	176.8	35.0	14.0	41.7
Kiritimati(1921:2013)	39.4	256.6	36.5	388.1	24.1	21.1	45.2
Tarawa(1950:2013)	43.8	337.0	31.0	776.1	25.2	14.2	43.8

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
February to April 2014**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Tarawa	21.2	329	63.64	811	15.2		
Tabuaeran	9.1	296	5.0	548	85.9		

Summary Statements

Rainfall for December 2013:

Beru, Butaritari and Tarawa stations recorded normal rainfall. Kanton is above normal and Kiritimati is below normal.

It is found that Kiritimati is 5 out of 80 in ranking.

Accumulated rainfall for October–December 2013, including outlook verification:

All stations record normal rainfall except for Kanton which records above normal. Outlook verification for all the stations is near consistent.

Outlooks for February-April 2014:

1. SCOPIC:

Beru and Kanton favour above normal rainfall.

Butaritari favours normal rainfall.

Kiritimati and Tarawa favour below normal rainfall.

2. POAMA:

Tarawa favours normal and Tabuaeran favours above 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: $X \geq 35$