

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 74

Country Name: KIRIBATI

TABLE 1: Monthly Rainfall

Station (include data period)			October 2013				
	August 2013 Total	September 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru (1932:2013)	9	83.7	66.2	19.0	62.0	35.3	40/59
Butaritari(1931:2013)	Missing August to October Observation						
Kanton (1937:2013)	24.2	47.8	67.2	6.8	26.8	12.4	47/55
Kiritimati(1921:2013)	1.2	4.3	17	4.0	18.0	10.7	58/89
Tarawa(1950:2013)	25.1	112.1	163.6	40.8	113.8	70.3	48/64

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

[Please note that the data used in this verification should be sourced from table 3 of OCOF #70]

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)	158.9	106.7	204.0	133.0	34/58	37.1/ 43.4 /19.5 (17.8)	Consistent
Butaritari(1931:2013)	Missing August to October Observation						
Kanton (1937:2013)	139.2	76.4	173.3	126.7	32/52	31.0/ 57.2 /11.8 (18.8)	Consistent
Kiritimati(1921:2013)	22.5	26.8	58.0	42.1	25/86	39.4 /37.2/23.4 (2.6)	Consistent
Tarawa(1950:2013)	300.8	184.0	468.8	278.6	37/64	50.5 /37.3/12.2 (21.2)	Near-consistent

Period: *below normal/normal/above normal

Predictors and Period used for August to October 2013 Outlooks (refer to OCOF #70):

SSTa's 1 and 9 (3mths) 1949-2013

* 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
December 2013 to February 2014**

Predictors and Period used: SSTa's 1 and 9 (3mths) Jan 1949 – Oct 2013

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Beru (1932:2013)	45.3	349.0	54.7		33.3	72.0
Butaritari(1931:2013)	45.5	886.0	54.5		9.6	61.9
Kanton (1937:2013)	78.0	58.4	22.0		17.6	63.6
Kiritimati(1921:2013)	44.8	117.0	55.2		35.0	69.4
Tarawa(1950:2013)	65.8	680.7	34.2		16.6	68.3

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru (1932:2013)	19.4	191.5	40.4	666.3	40.2	30.7	56.0
Butaritari(1931:2013)	54.6	686.0	13.1	1060.4	32.3	17.1	55.6
Kanton (1937:2013)	52.9	29.4	35.4	204.4	11.7	33.2	54.5
Kiritimati(1921:2013)	33.1	66.2	46.9	156.0	20.0	30.4	58.1
Tarawa(1950:2013)	64.4	386.0	18.5	863.1	17.1	30.2	52.4

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
December 2013 to February 2014**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Tarawa	43.33	397	6.67	820	50.00		
Tabuaeran	80.00	44	5.00	399	15.00		

Summary Statements

Rainfall for October 2013:

Beru, Kanton and Tarawa rainfall stations recorded *above normal* rainfall.
Only Kiritimati in the Line Islands recorded *normal* rainfall.

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

Beru, Kanton and Tarawa rainfall stations recorded *normal* rainfall, Beru and Kanton both are consistent while Tarawa is Near-consistent.
Kiritimati rainfall station in the Line Islands records *below normal* rainfall and is consistent.

Outlooks for December 2013–February 2014:

1. SCOPIC:

Beru and Kiritimati rainfall stations favour *Normal* rainfall.
Butaritari, Kanton and Tarawa rainfall stations favour *below normal* rainfall.

2. POAMA:

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