

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 75

Country Name: KIRIBATI

TABLE 1: Monthly Rainfall

Station (include data period)			November 2013				
	September 2013 Total	October 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru (1932:2013)	83.7	66.2	47.3	24.0	80	37.5	33/61
Butaritari(1931:2013)		188.7	218.4	136.7	237.2	192.5	49/75
Kanton (1937:2013)	47.8	67.2	31.1	5.3	23.0	10.2	42/56
Kiritimati(1921:2013)	4.3	17	45.5	4.8	20.1	10.9	67/80
Tarawa(1950:2013)	112.1	163.6	9.4	43.0	140.9	69.3	10/64

**TABLE 2: Three-monthly Rainfall
September to November 2013**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #71]

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)	197.2	87.0	219.0	150.5	37/59	56.7/30.2/13.1 (36.6)	Near-consistent
Butaritari(1931:2013)		394.5	608.7	496.3	70/71	52.2/29.7/18.1 (17.5)	
Kanton (1937:2013)	146.1	42.6	97.4	65.0	41/54	35.9/50.0/14.1 (15.5)	Near-consistent
Kiritimati(1921:2013)	66.8	19.9	53.7	39.0	58/78	49.4/24.7/25.9 (7.2)	Inconsistent
Tarawa(1950:2013)	285.1	158.1	413.2	277.8	35/64	56.5/38.0/5.5 (36.5)	Near-consistent

Period: *below normal/normal/above normal

Predictors and Period used for September to November 2013 Outlooks (refer to OCOF #71): 3 months SSTa's 1 and 9 from May to July 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
January to March 2014**

Predictors and Period used: SOI Values (3 mths) Jan 1876 – Nov 2013

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Beru (1932:2013)	63	291.5	37		27.5	70.0
Butaritari(1931:2013)	57	904.5	43		13.7	70.7
Kanton (1937:2013)	58	97.9	42		18.8	63.5
Kiritimati(1921:2013)	56	222.9	44		8.2	60.5
Tarawa(1950:2013)	60	590.6	40		27.1	75.0

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru (1932:2013)	40	138.7	37	502.0	23	24.4	58.3
Butaritari(1931:2013)	38	726.3	34	1120.3	28	10.6	48.0
Kanton (1937:2013)	43	38.4	42	163.6	15	18.6	48.1
Kiritimati(1921:2013)	38	161.8	35	299.8	27	8.1	37.2
Tarawa(1950:2013)	38	348.3	38	929.3	24	18.0	50.0

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
January to March 2014**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Tarawa	20	255	40	862	40		
Tabuaeran	27	185	23	514	50		
Kanton	87	15	8	141	5		

Summary Statements

Rainfall for November 2013:

Beru and Butaritari stations recorded *normal* rainfall.

Kanton and Kiritimati stations recorded *above normal* rainfall.

Tarawa station recorded *below normal* rainfall.

Accumulated rainfall for September–November 2013, including outlook verification:

Beru and Tarawa stations recorded *normal* rainfall. Both, Near-consistent

Kanton and Kiritimati stations recorded *above normal* rainfall. Kanton Near-consistent, Kiritimati Inconsistent.

Outlooks for January-March 2014:

1. SCOPIC:

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

Tarawa favours below normal to normal rainfall with equal chance.

2. POAMA:

Tarawa favours normal to above normal rainfall with equal chance.

Tabuaeran favours *above normal* rainfall.

Kanton 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: $X \geq 35$