

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 72

Country Name: KIRIBATI

TABLE 1: Monthly Rainfall

Station (include data period)	August 2013						
	June 2013 Total	July 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru (1932:2013)	148.8	17.3	9	44.7	90.7	65.0	2/60
Butaritari(1931:2013)	MISSING AUGUST OBSERVATION						
Kanton (1937:2013)	88.3	98.9	24.2	35.2	90.1	54.9	14/55
Kiritimati(1921:2013)	2.5	3.1	1.2	7.4	24.4	14.1	9/88
Tarawa(1950:2013)	68.5	49.4	25.1	65.1	169.1	104.3	9/64

TABLE 2: Three-monthly Rainfall June to August 2013

[Please note that the data used in this verification should be sourced from table 3 of OCOF #68]

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)	175.1	154.0	315	211.0	23/56	27.6/54.6/17.8 (14.3)	Consistent
Butaritari(1931:201)	MISSING AUGUST OBSERVATION						
Kanton (1937:2013)	211.4	172.0	288.3	243.0	24/53	40.9/26.7/32.4 (-4.0)	Near-Consistent
Kiritimati(1921:2013)	6.8	77.1	164.7	124.0	4/88	48.9/26.6/24.5 (7.4)	Consistent
Tarawa(1950:2013)	143	269.4	514	360.9	9/64	38.6/32.7/28.7 (7.3)	Consistent

Period: *below normal/normal/above normal

Predictors and Period used for June to August 2013 Outlooks (refer to OCOF #68):

SST Indices 1 and 9 (Feb - April), Jan 1949 – Aug 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
October to December 2013**

Predictors and Period used: SSTa's 1 and 9 (June – Aug), Jan 1949 – August 2013

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Beru (1932:2013)	68.1	214.0	31.9		37.7	76.0
Butaritari(1931:201)	88.1	560.8	11.9		43.8	79.7
Kanton (1937:2013)	59.3	41.0	40.7		19.9	68.9
Kiritimati(1921:2013)	65.2	46.4	34.8		22.7	62.9
Tarawa(1950:2013)	89.5	329.3	10.5		39.2	79.4

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru (1932:2013)	65.7	124.0	23.6	339.7	10.7	40.6	62.0
Butaritari(1931:201)	57.5	485.2	34.4	732.0	8.1	30.9	55.9
Kanton (1937:2013)	42.1	29.7	51.5	83.3	6.4	34.0	62.2
Kiritimati(1921:201)	60.4	24.2	27.0	71.0	12.6	20.2	54.8
Tarawa(1950:2013)	76.3	248.8	21.5	559.3	2.2	45.6	68.3

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

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Tarawa	60	277	5	682	35		
Tabuaeran	90	61	5	299	5		

Summary Statements

Rainfall for August 2013:

Beru, Butaritari and Tarawa stations in Western Kiribati all have a *below normal* rainfall. Kanton in the Phoenix Islands have a *below normal* rainfall too as well as Kiritimati in the Line Islands.

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

Beru and Kanton rainfall are *normal*. Consistent in Beru and Near Consistent in Kanton. Kiritimati and Tarawa rainfall are *below normal* and both are consistent.

Outlooks for October–December 2013:

1. SCOPIC:

All stations will favour a *below normal* rainfall except for Kanton which will favour a *normal rainfall*.

2. POAMA:

Tarawa and Tabuaeran stations favour *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: $X \geq 35$