

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 83

**Country Name:** Kiribati

### TABLE 1: Monthly Rainfall

Station (include data period)	July 2014						
	May 2014 Total	June 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru (July1932-Jun2014)	63.8	180.1	-	43.0	117.0	73.7	-
Butaritari (July1931-July2014)	308.5	316	142.4	199.5	308.7	261.0	8/73
Kanton (Sept1937-Jun2014)	74.9	217.2	-	46.9	78.4	66.5	-
Kiritimati (Jan1921-Jul2014)	109.2	175.9	27.3	21.0	61.8	28.0	44/90
Tarawa (Jan1950-Jul2014)	180.3	323.1	208.1	96.6	181.4	131.4	45/65

### TABLE 2: Three-monthly Rainfall May to July 2014

[Please note that the data used in this verification should be sourced from table 3 of OCOF #79]

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	-	172.0	282.0	229.5	-	34.1/ <b>41.1</b> /24.8(0.9)	-
Butaritari	766.9	712.0	896.0	820.2	29/71	<b>38.4</b> /32.3/29.3(0.7)	Near-Consistent
Kanton	-	178.3	268.0	211.0	-	32.1/ <b>36.9</b> /31.0(-2.0)	-
Kiritimati	312.4	118.3	244.9	177.0	70/89	31.4/ <b>42.9</b> /25.7(1.3)	Near-Consistent
Tarawa	711.5	327.2	509.8	403.0	54/65	<b>38.7</b> /34.8/26.5(2.9)	Inconsistent

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 May to July 2014 Outlooks (refer to OCOF #79): NINO 3.4 SST Anomalies extended Jan-March

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for September to November 2014**

**Predictors and Period used: NINO 3.4 SST Anomalies extended May-July**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Beru	19	157.0	81		52.4	80.4
Butaritari	25	496.3	75		42.5	79.7
Kanton	40	65.1	60		17.2	64.4
Kiritimati	41	40.0	59		11.9	65.6
Tarawa	24	279.1	76		48.9	84.4

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru	6	88.7	43	216.3	51	49.6	66.7
Butaritari	14	394.5	41	608.7	45	31.1	47.5
Kanton	23	42.8	35	99.7	42	23.3	57.8
Kiritimati	25	20.0	32	54.3	43	15.9	49.2
Tarawa	10	158.1	44	409.8	46	45.7	64.1

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for  
September to November 2014**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Tarawa	40	261	42	651	18		
Kanton	19	52	36	165	45		
Tabuaeran	70	68	21	199	9		

### **Summary Statements**

#### **Rainfall for July 2014:**

Records for July rainfall results in the below normal for Butaritari, Normal for Kiritimati and above normal for Tarawa, stations.

Of all the rankings, Butaritari shows a significant place for July which is 8 out of 73.

#### **Accumulated rainfall for May to July 2014, including outlook verification:**

Butaritari rainfall for the last three months falls at normal and is Near-Consistent with the May to July 2014 outlook, while Kiritimati and Tarawa are above normal. Kiritimati is Near-Consistent too and Tarawa is In-consistent.

#### **Outlooks for September to November 2014:**

##### **1. SCOPIC:**

The seasonal rainfall outlook for September-November 2014 shows the most likely outcome for Butaritari and Kiritimati is *above normal*. For Tarawa *normal* and *above normal* rainfall is favoured. Confidence in the outlook is high to exceptional.

##### **2. POAMA:**

The seasonal rainfall outlook for September-November 2014 shows the most likely outcome for Kanton in Central Kiribati is *Above-Normal*. Tabuaeran in Eastern Kiribati shows the most likely outcome in its rainfall is *below normal* and Tarawa in Western Kiribati shows the most likely outcomes are *below normal* and *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:  $X \geq 35$