

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 87

**Country Name:** Kiribati

### TABLE 1: Monthly Rainfall

Station (include data period)	November 2014						
	September 2014 Total	October 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru (July1932-Nov2014)	27.7	8.4	0.5	25.0	80.0	40.0	5/62
Butaritari (July1931-Nov2014)	76.3	333.8	81.1	137.3	233.1	192.9	13/76
Kanton (Sept1937-Jun2014)	-	-	-	5.3	23.1	10.3	-
Kiritimati (Jan1921-Nov2014)	95.7	3.9	64.5	4.9	20.3	11.0	72/81
Tarawa (Jan1950-Nov2014)	83.2	128.9	38.6	42.5	135.8	69.3	19/65

### TABLE 2: Three-monthly Rainfall September to November 2014

[Please note that the data used in this verification should be sourced from table 3 of OCOF #83]

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	36.6	88.7	216.3	157.0	8/60	7/43/50 (49.6)	Inconsistent
Butaritari	491.2	394.5	608.7	496.3	36/72	13/42/45 (31.1)	Near-Consistent
Kanton	-	42.8	99.7	65.1	-	23/35/42 (23.3)	-
Kiritimati	164.1	20.0	54.3	40.0	68/79	25/32/43 (15.9)	Consistent
Tarawa	250.7	158.1	409.8	279.1	31/65	10/44/46 (45.7)	Near-Consistent

Period: \*below normal/normal/above normal

**Predictors and Period used for September to November 2014 Outlooks (refer to OCOF #83): Nino 3.4 SST Anomalies extended May-July**

\* 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 2015**

**Predictors and Period used: Nino 3.4 SST Anomalies extended (Sep-Nov)**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Beru	18.4	280.6	81.6		42.8	78.4
Butaritari	32.9	902.7	67.1		20.3	77.8
Kanton	24.7	110.8	75.3		29.5	74.5
Kiritimati	26.8	221.6	73.2		36.3	75.8
Tarawa	29.1	647.9	70.9		28.1	75.0

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru	8	143.1	39	493.0	53	33.3	62.7
Butaritari	20	723.0	35	1119.0	45	14.8	49.2
Kanton	17	40.7	24	171.2	59	30.8	59.6
Kiritimati	18	160.1	29	297.9	53	31.6	53.2
Tarawa	14	348.3	38	923.5	48	25.6	56.3

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for January to March 2015**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Tarawa	5.0	397	5.0	820	90		
Kanton	9.0	6.0	52	213	39		
Tabuaeran	5.0	44	5.0	399	90		

## Summary Statements

### **Rainfall for November 2014:**

November rainfall was *below normal* for Beru, Butaritari and Tarawa and *above normal* for Kiritimati. Beru rainfall ranks 5<sup>th</sup> lowest in 62 years.

### **Accumulated rainfall for September to November 2014, including outlook verification:**

September to November rainfall was *below normal* for Beru, *above normal* for Butaritari and Tarawa and *normal* for Kiritimati.

Outlook verification for Beru is Inconsistent, Consistent for Kiritimati and near consistent for Butaritari and Tarawa.

Level of skill for all stations was high to exceptional.

### **Outlooks for January to March 2015:**

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

The most likely outcome for all stations is *above normal* with *normal* rainfall the next most likely. Confidence in the outlook is good to very high.

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

The most likely outcome for Tarawa and Tabuaeran is *above normal* except for Kanton where *normal* rainfall is favoured.

**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:  $X \geq 35$