

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 89

Country Name: KIRIBATI

TABLE 1: Monthly Rainfall

Station (include data period)	January 2015						
	November 2014 Total	December 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru (July1932-Nov2014)	0.5	-	-	59.4	265.9	122.0	-
Butaritari (July1931-Dec2014)	81.1	75.9	-	203.0	354.0	284.5	-
Kanton (Sept1937-Jun2014)	-	-	-	4.8	65.7	12.3	-
Kiritimati (Jan1921-Nov2014)	64.5	-	-	16.7	66.9	34.7	-
Tarawa (Jan1950-Dec2014)	38.6	313.5	229.4	137.8	320.9	228.7	34/66

**TABLE 2: Three-monthly Rainfall
November 2014 to January 2015**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #85]

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	-	204.0	600	309.0	-	9/55/36 (51.6)	-
Butaritari	-	588.0	907.8	769.0	-	19/43/38 (36.1)	-
Kanton	-	26.0	142.5	58.4	-	28/39/33 (29.8)	-
Kiritimati	-	32.3	102.2	58.4	-	24/45/31 (40.5)	-
Tarawa	581.5	321.1	741.8	498.0	38/65	18/46/36 (40.6)	Consistent

Period: *below normal/normal/above normal

Predictors and Period used for November 2014 to January 2015 Outlooks (refer to OCOF #85): Nino 3.4 Anomalies extended Jul-Sep 3mths.

* 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
March to May 2015**

Predictors and Period used: Nino 3.4 SST Anomalies extended (2 mth).

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Beru	22.7	264.0	77.3		27.3	74.0
Butaritari	37.8	944.0	62.2		9.3	69.4
Kanton	34.0	167.4	66.0		12.3	67.4
Kiritimati	30.2	316.4	69.8		17.1	64.5
Tarawa	36.7	489.2	63.3		11.5	64.1

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru	19	149.6	28	380.0	53	21.7	54.0
Butaritari	18	789.3	38	1129.3	44	13.9	50.0
Kanton	26	125.0	25	224.8	49	9.6	32.6
Kiritimati	23	287.4	28	404.0	49	12.2	40.3
Tarawa	20	334.8	38	635.3	42	10.6	53.1

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

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Kanton	5	65	65	191	30		
Tabuaeran	5	296	5	548	90		
Tarawa	5	329	62	811	33		

Summary Statements

Rainfall for January 2015:

January rainfall was *normal* for Tarawa.

Accumulated rainfall for November 2014 to January 2015, including outlook verification:

November 2014 to January 2015 rainfall was *normal* for Tarawa and consistent.

Level of skill- Exceptional.

Outlooks for March to May 2015:

1. SCOPIC:

The most likely outcome for all stations is *above normal*. Confidence in the outlook is moderate to high.

2. POAMA:

The most likely outcome for Kanton and Tarawa is *normal* except for Tabuaeran which favours *above 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: $X \geq 35$