

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 101

Country Name: KIRIBATI

TABLE 1: Monthly Rainfall

Station (include data period)	January 2016						
	November 2015 Total	December 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru	208.0	-	-	60.3	264.3	127.0	-
Butaritari	107.6	174	361	203.0	354.0	284.5	52/77
Kanton	164.6	381.9	428.8	4.8	65.7	12.3	53/55
Kiritimati	454.4	666.8	720.0	16.7	66.9	34.7	86/88
Tarawa	261.4	272	521.7	138.9	315.3	229.1	62/67

**TABLE 2: Three-monthly Rainfall
November 2015 to January 2016**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #97]

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	-	206.9	582.0	284	-	0/2/98 (53.1)	-
Butaritari	642.6	588.0	907.8	769.0	27/74	0/4/96 (36.5)	Near-consistent
Kanton	975.3	26.0	142.5	58.4	44/50	0/4/96 (33.2)	Consistent
Kiritimati	1841.2	32.3	102.2	43.4	74/74	0/1/99 (41.2)	Consistent
Tarawa	1055.1	333.7	740.4	506.0	54/66	0/10/90 (39.5)	Consistent

Period: *below normal/normal/above normal

Predictors and Period used for November to January 2016 Outlooks (refer to OCOF #97):

Nino 3.4 SST Anomalies extended (2mths)

* 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 2016**

Predictors and Period used: SSTa's 1 and 9 (3mths)

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Beru	2	264.0	98		26.1	70.6
Butaritari	16	947.1	84		6.1	64.1
Kanton	12	167.5	88		10.4	66.7
Kiritimati	12	319.6	88		11.2	60.9
Tarawa	20	503.3	80		4.6	56.1

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru	1	149.6	4	380.0	96	23.9	54.9
Butaritari	8	793.0	52	1100.0	40	7.3	54.7
Kanton	8	128.6	10	224.8	82	8.6	43.8
Kiritimati	7	287.8	7	407.3	87	11.1	39.1
Tarawa	5	339.3	47	646.0	48	7.8	42.4

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
March to May 2016**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Arorae	5	247	5	716	90		
Butaritari	85	651	10	1129	5		
Kanton	5	65	5	191	90		
Kiritimati	5	247	5	455	90		
Tabuaeran	15	296	15	548	70		
Tarawa	52	329	21	811	27		

Summary Statements

Rainfall for January 2016:

Butaritari, Kanton, Kiritimati and Tarawa record above normal rainfall for January 2016. Kanton and Kiritimati rainfall both ranks third on record and Tarawa ranks sixth.

Accumulated rainfall for November to January 2016, including outlook verification:

Butaritari records normal rainfall from November to January 2016, and outlook verification is Near-consistent.

Kanton, Kiritimati and Tarawa records above normal rainfall from November to January 2016 and outlook verification are all consistent. Kiritimati rainfall was highest on record for the three months.

Outlooks for March to May 2016:

1. SCOPIIC:

The seasonal rainfall outlook for March to May favours above normal for Beru, Kanton and Kiritimati.

For Butaritari: the most likely outcome is normal with above normal the next most likely.

For Tarawa: the seasonal rainfall outlook for March to May shows a near equal likelihood of normal and above-normal rainfall. Below normal rainfall is the least likely.

2. POAMA:

The seasonal rainfall outlook for March to May in Poama favours above normal for Arorae, Kanton, Kiritimati and Tabuaeran and below normal for Butaritari and Tarawa.

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: $X \geq 35$