

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 116

**Country Name: Kiribati**

**TABLE 1: Monthly Rainfall**

Station (include data period)			April 2017				
	February 2017 Total	March 2017 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Butaritari	76.7	159.8	121.1	237.7	383.8	313.5	9/79
Tarawa	35.4	124.4	55.0	109.3	219.1	152.8	11/68
Beru	3.6	6.2	153.8	37.3	113.3	67.0	48/63
Kanton	6.5	13.9	117.8	41.4	86.7	63.9	44/60
Kiritimati	55.6	100.8	131.7	85.0	185.0	120.0	49/92

**TABLE 2: Three-monthly Rainfall  
February to April 2017**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #112]

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?)
Butaritari	357.6	742.0	1112.0	943.0	9/78	42/33/25(12.4)	Consistent
Tarawa	214.8	344.6	863.7	569.0	15/68	47/28/25(23.9)	Consistent
Beru	163.6	106.0	396.0	257.0	27/62	49/44/7(40.8)	Near-Consistent
Kanton	138.2	75.0	197.9	136.6	32/60	45/48/7(26.5)	Consistent
Kiritimati	288.1	258.5	412.5	331.0	37/92	43/40/17(22.2)	Near-Consistent

Period: \*below normal/normal/above normal

Predictors and Period used for February 2017 to April 2017 Outlooks (refer to OCOF #112):

### NINO 3.4 SST Anomalies (2 MTHS)

\* 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  
June to August 2017**

**Predictors and Period used: Nino 3.4 SST ANOM (2MTHS)**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Butaritari	42	754.0	58		4.0	67.7
Tarawa	37	360.9	63		11.1	65.7
Beru	34	209.5	66		11.9	64.0
Kanton	41	244.9	59		5.0	64.0
Kiritimati	54	124.0	46		-0.3	52.2

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Butaritari	29	626.9	29	857.0	42	1.2	27.4
Tarawa	28	259.8	30	537.5	42	3.5	31.3
Beru	23	154.0	30	314.0	47	8.1	44.0
Kanton	28	174.5	35	288.8	37	-0.5	40.0
Kiritimati	39	75.5	25	169.5	36	-0.7	32.8

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for  
June to August 2017**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Butaritari	91	544	5	860	4		
Tarawa	95	317	5	595	0		
Arorae	45	275	50	488	5		
Kanton	9	148	86	327	5		
Tabuaeran	95	199	5	460	0		
Kiritimati	91	90	5	179	4		

**Summary Statements**

## Rainfall for April 2017:

Rainfall showed that Butaritari and Tarawa were below normal, above normal for both Beru and Kanton, and normal for Kiritimati.

## Accumulated rainfall for February to April 2017, including outlook verification:

In the months Feb-Apr 2017 the accumulated rainfall was below normal for Butaritari and Tarawa. Beru, Kanton and Kiritimati recorded totals in the normal range.

The verification showed near-consistent for both Beru and Kiritimati, while the outlooks were consistent for Butaritari, Tarawa and Kanton.

## Outlooks for June to August 2017:

### 1. SCOPIC:

The outlooks for Butaritari, Tarawa and Beru show the most likely outcome is above normal with normal the next most likely.

The outlook for Kanton offers little guidance for the coming season as the chances of above normal, normal and below normal are similar.

The outlook for Kiritimati is mixed, with similar chances for below-normal and above-normal totals; near-normal is the least likely outcome.

### 2. POAMA:

Below normal rainfall for all Kiribati stations except Arorae and 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:  $X \geq 35$