

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 128

**Country Name: Kiribati**

**TABLE 1: Monthly Rainfall**

Station (include data period)	April 2018						
	February 2018 Total	March 2018 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru	-	44.8	5.3	39.7	117.6	69.0	5/64
Butaritari	44.5	28.7	136.9	237.0	382.0	312.0	14/80
Kanton	5.2	64.6	113.2	42.4	90.0	65.9	45/61
Kiritimati	2.2	5.7	-	86.3	183.7	122.4	-
Tarawa	26.4	7.1	29.2	108.2	218.3	150.9	5/69

**TABLE 2: Three-monthly Rainfall  
February to April 2018**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #124]

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	-	107.7	395.3	235.0	-	52/43/5(39.8)	-
Butaritari	210.1	713.0	1109.0	937.8	4/79	44/33/23(11.9)	Consistent
Kanton	183.0	75.6	191.9	133.1	40/61	43/51/6(24.7)	Consistent
Kiritimati	-	261.6	407.4	326.8	-	45/42/13(23.0)	-
Tarawa	62.7	339.5	852.4	564.2	4/69	53/27/20(23.2)	Consistent

Period: \*below normal/normal/above normal

Predictors and Period used for February to April 2018 Outlooks (refer to OCOF #124):  
NINO 3.4 SST anomaly (2months November-December 2017).

\* 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 2018**

**Predictors and Period used: Nino 3.4 SST Anomalies March to April- 2months**

Station	<b>Below Median (prob)</b>	Median Rainfall (mm)	<b>Above Median (prob)</b>		<b>LEPS</b>	<b>Hit-rate</b>
Beru	63	213.0	37		11.2	65.4
Butaritari	58	747.0	42		3.1	63.5
Kanton	60	246.8	40		4.2	64.7
Kiritimati	47	124.0	53		-0.3	50.0
Tarawa	65	368.8	35		12.3	69.1

Station	<b>Below Normal (prob)</b>	33%ile rainfall (mm)	<b>Normal (prob)</b>	67%ile rainfall (mm)	<b>Above Normal (prob)</b>	<b>LEPS</b>	<b>Hit-rate</b>
Beru	<b>42</b>	156.7	38	314.3	20	9.4	44.2
Butaritari	<b>38</b>	623.4	34	856.7	28	1.0	33.3
Kanton	<b>39</b>	177.1	30	290.3	31	-0.4	23.5
Kiritimati	30	77.1	<b>39</b>	167.8	31	-1.0	26.5
Tarawa	<b>39</b>	264.6	37	525.7	24	4.0	42.6

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for  
June to August 2018**

Station	<b>Lower Tercile (prob)</b>	33%ile rainfall (mm)	<b>Middle Tercile (prob)</b>	67%ile rainfall (mm)	<b>Upper Tercile (prob)</b>		
Arorae	39	275	<b>49</b>	488	12		
Butaritari	<b>67</b>	544	21	860	12		
Kanton	<b>52</b>	148	42	327	6		
Kiritimati	<b>88</b>	90	7	179	5		
Tabuaeran	<b>91</b>	199	5	460	4		
Tarawa	<b>67</b>	317	28	595	5		

## **Summary Statements**

### **Rainfall for April 2018:**

Beru, Butaritari and Tarawa recorded below normal rainfall while Kanton recorded above normal rainfall. Beru and Tarawa were both ranked the 5<sup>th</sup> driest on record for April this year.

### **Accumulated rainfall for February to April 2018, including outlook verification:**

Tarawa and Butaritari recorded below normal rainfall, with consistent outlook verification.

Kanton's three-month total was normal and the outlook verification was consistent.

Butaritari and Tarawa both ranked the 4<sup>th</sup> driest for February to April.

### **Outlooks for June to August 2018:**

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

The most likely outcome for Beru is below-normal with normal next most likely.

At Tarawa there is a near-equal likelihood of below-normal and normal rainfall.

The outlook offers little guidance for Butaritari, Kanton and Kiritimati as the chances of above-normal, normal and below-normal rainfall are similar.

Outlook skills is very low in Kanton and Kiritimati, low in Butaritari and Tarawa and moderate in Beru.

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

All outlooks for the existing stations favour below normal rainfall except for Arorae where the outlook favours 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:  $X \geq 35$