

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 119

**Country Name: Kiribati**

**TABLE 1: Monthly Rainfall**

Station (include data period)	July 2017						
	May 2017 Total	June 2017 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru	48.8	-	-	43.0	117.0	72.0	-
Butaritari	132.2	139.3	196.5	197.0	307.3	253.0	26/76
Kanton	127.2	96.5	108.1	48.2	82.0	66.9	47/60
Kiritimati	102.8	59.0	45.0	21.0	61.8	28.0	56/93
Tarawa	85.1	64.6	228.8	96.6	181.4	133.2	51/68

**TABLE 2: Three-monthly Rainfall  
May to July 2017**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #115]

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	-	174	288	232	-	36/33/31 (4.4)	-
Butaritari	468.0	712	896	814	8/74	33/34/33 (1.0)	Near-consistent
Kanton	331.8	178	276	211	46/58	35/34/31 (1.5)	Inconsistent
Kiritimati	206.8	121	248	178	56/93	34/33/33 (1.1)	Near-Consistent
Tarawa	378.5	332	511	404	31/68	33/34/33 (3.1)	Near-Consistent

Period: \*below normal/normal/above normal

Predictors and Period used for May to July 2017 Outlooks (refer to OCOF #115):

Nino 3.4 sst anomalies extended (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  
September to November 2017**

**Predictors and Period used:** Nino 3.4 sst anomalies extended (2 mths).

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Beru	17	151	83		51.7	81.1
Butaritari	28	494	72		36.7	75
Kanton	38	68	62		17.9	65.3
Kiritimati	34	41	66		19.9	66.7
Tarawa	18	278	82		59.9	83.6

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	67%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru	5	87	40	216	55	50.7	71.7
Butaritari	10	402	42	604	48	37.5	56.2
Kanton	24	43	30	110	46	26.9	51
Kiritimati	21	20	32	55	47	22.3	47
Tarawa	7	158	43	410	50	50.6	67.2

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for  
September to November 2017**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	67%ile rainfall (mm)	Upper Tercile (prob)		
Tarawa	18	242	73	558	9		
Tabuaeran	5	54	68	207	27		
Kiritimati	6	32	42	84	52		
Kanton	6	36	27	114	67		
Butaritari	64	439	30	630	6		
Arorae	18	117	30	378	52		

## **Summary Statements**

### **Rainfall for July 2017:**

Butaritari recorded below normal, Kiritimati normal, while Kanton and Tarawa were above normal.

### **Accumulated rainfall for May to July 2017, including outlook verification:**

Butaritari recorded below normal rainfall, Kiritimati and Tarawa were normal, while Kanton was above normal.

Butaritari's total ranks the 8<sup>th</sup> driest out of 74 for May to July totals.

Verification is Inconsistent in Kanton, but Near-consistent at remaining locations.

### **Outlooks for September to November 2017:**

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

For all sites the most likely or favoured outcome is above-normal rainfall, with normal the next most likely.

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

At Butaritari below-normal rainfall is favoured, normal rainfall is favoured at Tarawa and Tabuaeran, while above-normal is favoured at Kiritimati, Kanton and Arorae.

**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:  $X \geq 35$