

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 105

Country Name: KIRIBATI

TABLE 1: Monthly Rainfall

Station (include data period)	May 2016						
	March 2016 Total	April 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Butaritari	163.1	160.7	155.6	226	332	304.5	11/77
Tarawa	652.4	409.9	152.1	96.7	173.6	141.3	38/67
Beru	470.6	597.9	229.8	38.8	96.5	65.2	56/63
Kanton	338.3	273.1	140	49	92.8	63	52/59
Kiritimati	327.2	448.2	123	35	106.4	62.9	70/92

**TABLE 2: Three-monthly Rainfall
March to May 2016**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #101]

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	479.4	793	1100	947.1	10/77	8/52/40(7.3)	Near Consistent
Tarawa	1214.4	339.3	646	503.3	66/67	5/47/48(7.8)	Consistent
Beru	1298.3	149.6	380	264	60/60	1/4/96(23.9)	Consistent
Kanton	751.4	128.6	224.8	167.5	55/58	8/10/82(8.6)	Consistent
Kiritimati	898.4	287.8	407.3	319.6	87/91	7/7/87(11.1)	Consistent

Period: *below normal/normal/above normal

Predictors and Period used for March to May 2016 Outlooks (refer to OCOF #101):

SSTa's 1 and 9 (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
July to September 2016**

Predictors and Period used: NINO 3.4 SST ANOMALIES 2MTH AVG

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Butaritari	17.9	628	82.1		12.9	70.5
Tarawa	11.0	336.2	89		22.1	71.2
Beru	10.3	173	89.7		19.1	64
Kanton	36.7	171.8	63.3		0	57.8
Kiritimati	47.7	72.5	52.3		-1.6	39.1

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Butaritari	10	501	34	740	56	10.4	49.2
Tarawa	5	198.5	12	547.1	83	20.1	51.5
Beru	2	130.7	10	292.5	88	24.6	56
Kanton	17	141.4	36	224.1	47	1.1	24.4
Kiritimati	26	42.9	26	102	48	0.1	31.2

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
July to September 2016**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Butaritari	95	464	5	730	0		
Tarawa	82	270	13	636	5		
Kanton	5	111	90	226	5		
Arorae	5	191	90	574	5		
Kiritimati	5	75	90	131	5		
Tabuaeran	70	83	25	317	5		

Summary Statements

Rainfall for May 2016:

Tarawa recorded normal rainfall, Butaritari was below normal and the rest 3 stations was recorded above rainfall. Kanton and Beru were both ranks on 7th - highest value of 59 and 63 respectively.

Accumulated rainfall for March to May 2016, including outlook verification:

Butaritari recorded below normal rainfall and the rest of Kiribati station was recorded above normal. The outlook verification was near consistent for Butaritari and Consistent for other stations.

Outlooks for July to September 2016:

1. SCOPIC:

Kiritimati outlook shows the most likely above normal rainfall with a similar chance of normal and below normal.

Kanton outlook shows the most likely above normal with a normal the next most likely. Butaritari, Tarawa and Beru favour above normal, with normal the next most likely.

2. POAMA:

Butaritari, Tarawa and Tabuaeran favour below normal rainfall for this coming season which normal the next most likely.

Kanton ,Arorae and Kiritimati favour normal rainfall with below normal the next most likely.

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: $X \geq 35$