Pacific Islands - Online Climate Outlook Forum (OCOF) No. 109

Country Name: KIRIBATI

TABLE 1: Monthly Rainfall

Station (include data period)			September 2016				
	July 2016 Total	August 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru	7.2	68.4		28.1	68.0		
Butaritari	175.9	143	31.4	114.0	177.0	137.0	5/77
Kanton	78.9	119	22.3	20.7	59.2	40.7	25/60
Kiritimati	5	14.1	0	4.0	15.4	8.0	8/91
Tarawa	60.4	56.2	20.9	57.1	143.8	87.1	9/67

TABLE 2: Three-monthly Rainfall
July to September 2016

[Please note that the data used in this verification should be sourced from table 3 of OCOF #105]

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		130.7	292.5			2/10/**88**(24.6)	
Butaritari	350.3	501	740	628	8/74	10/34/**56**(10.4)	Inconsistent
Kanton	220.2	141.4	224.1	171.8	37/58	17/36/**47**(1.1)	Near-Consistent
Kiritimati	19.1	42.9	102	72.5	12/91	26/26/**48**(0.1)	Inconsistent
Tarawa	137.5	198.5	547.1	336.2	12/67	5/12/**83**(20.1)	Inconsistent

Period:*below normal/normal/above normal

Predictors and Period used for July to September 2016 Outlooks (refer to OCOF #105):

NINO 3.4 SST ANOMALIES 2MTH AVG

*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 November 2016 to January 2017

Predictors and Period used: Nino 3.4SST Anomalies 2mths.

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Beru	75.6	309.0	24.4		48.4	86.5
Butaritari	66.7	753.0	33.3		28.0	76.6
Kanton	71.9	57.8	28.1		37.1	78.7
Kiritimati	*77.4*	*58.4*	*22.6*		*42.9*	*79.4*
Tarawa	74.5	510.0	25.5		44.1	83.3

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru	47	209.9	**48**	606.7	5	51.4	65.4
Butaritari	**44**	585.0	40	899.3	16	29.0	62.5
Kanton	**47**	34.0	43	142.5	10	34.7	55.3
Kiritimati	**49**	33.0	45	103.3	6	41.9	60.3
Tarawa	**48**	346.3	41	761.4	11	41.6	62.1

TABLE 4: Seasonal Climate Outlooks using POAMA2 for November 2016 to January 2017

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		

Summary Statements

Rainfall for September 2016:
Records show below normal rainfall at Butaritari, Kiritimati and Tarawa for September. Kanton recorded normal rainfall. Butaritari ranks 5th over 77, Kiritimati ranks 8th over 91 and Tarawa ranks 9th over 67.

Accumulated rainfall for July to September 2016, including outlook verification:

Butaritari, Kiritimati and Tarawa record below normal rainfall while Kanton records normal rainfall. Outlook verification was inconsistent for all except for Kanton which is near consistent. Butaritari ranks 8th over 74 while Tarawa and Kiritimati both ranks the 12th over 67 and 91 respectively.

Outlooks for November 2016 to January 2017:
1. SCOPIC:

The November to January Outlooks for all stations except Beru favour below normal rainfall with normal the next most likely.

The Beru seasonal rainfall outlook for November to January shows a near equal likelihood of normal and above-normal rainfall.

2. POAMA:

NB: The X LEPS % score has been categorised as follows:

Very Low: X < 0.0	Low: 0 ≤ X < 5	Moderate 5 ≤ X < 10	Good: 10 ≤ X < 15	High: 15≤ X < 25
Very High: 25 ≤X < 35	Exceptional: X ≥ 35			