Pacific Islands - Online Climate Outlook Forum (OCOF) No. 99

Country Name: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)			November 2015				
	September 2015 Total	October 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Butaritari	178.6	164.5	107.6	136	229	192.4	22/77
Tarawa	358.5	250.1	261.4	41.2	133.7	69.2	59/66
Beru	-	-	-				-
Kiritimati	124.9	250.6	454.4	4.9	20.6	11	81/82
Kanton	239.3	216.9	164.6	5.3	23.1	10.3	50/57

TABLE 2: Three-monthly Rainfall
September to November 2015

[Please note that the data used in this verification should be sourced from table 3 of OCOF #95]

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	450.7	398.0	606.3	493.8	34/73	0/14/**86**	Near Consistent
Tarawa	870	165.9	396.5	277.8	60/66	0/4/**96**	Consistent
Beru	-	87	213.7	150.5	-	-	-
Kiritimati	829.9	20	55	41	77/80	3/9/**88**	Consistent
Kanton	620.8	42.8	99.7	65.1	51/55	2/5/**93**	Consistent

Period:*below normal/normal/above normal

Predictors and Period used for August to October 2015 Outlooks (refer to OCOF #94):

Nino 3.4 SST Anomalies extended (2mths)

*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 January to March 2016

Predictors and Period used:
Nino 3.4 SST Anomalies extended (2mths)

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Butaritari	2	192.4	98		24.9	72.3
Tarawa	2	69.2	98		38.3	77.3
Beru	*2*	*37.5*	*98*		*29.7*	*73.5*
Kiritimati	1	11.0	99		41.6	81.0
Kanton	5	10.3	95		24.2	67.4

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Butaritari	0	136	8	229	**92**	24.1	64.6
Tarawa	1	41.2	6	133.7	**93**	31.4	56.1
Beru	1	23	6	78.7	**93**	26.8	63.3
Kiritimati	0	4.9	1	20.6	**99**	35.7	62.1
Kanton	1	5.3	4	23.1	**94**	26.3	52.2

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

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Butaritari	**58**	704	9	1217	33		
Arorae	5	138	7	713	**88**		
Kanton	5	15	5	141	**90**		
Kiritimati	5	115	5	376	**90**		
Tabuaeran	15	185	6	514	**79**		
Tarawa	21	255	27	862	**52**		

Summary Statements

Rainfall for November 2015:

Above normal rainfall for all station in Kiribati except Butaritari below normal rainfall for November 2015. Kiritimati rank 81 out of 82

Accumulated rainfall for September to November 2015, including outlook verification:

Rainfall for the last three month in the Gilbert group was above normal rainfall for Tarawa, and Normal rainfall for Butaritari. Kiritimati and Kanton recorded above normal rainfall. Beru was insufficient data.

The Outlook verification was consistent for Tarawa, Kiritimati, Kanton and near consistent for Butaritari. The level of skill was high to exceptional

Outlooks for January to March 2016:

1. SCOPIC:

The Outlook for the next three month for January to March 2016 is favour above normal rainfall for all stations in Kiribati with normal the next most likely. The Confident in the outlook is high to exceptional.

2. POAMA:

Above normal rainfall for Tarawa, Kiritimati, Kanton, and below normal for Butaritari with normal the next most likely.

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			