

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 107

Country Name: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)	July 2016						
	May 2016 Total	June 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Butaritari	155.6	102.6	175.9	199	307.7	256	19/75
Tarawa	152.1	123.4	60.4	97.2	188.4	134.6	17/66
Beru	229.8	57.2	7.2	43.7	121.3	73.7	2/61
Kanton	140	58.0	78.9	47.8	81.8	66.8	37/56
Kiritimati	123	0	5.0	21	62.2	28.0	10/92

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

[Please note that the data used in this verification should be sourced from table 3 of OCOF #103]

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	434.1	720.7	916.3	820.2	7/73	13/27/60(2.9)	Inconsistent
Tarawa	335.9	330.7	523.5	404.3	24/67	11/31/58(3.6)	Near-Consistent
Beru	294.2	173	284.8	230	40/58	20/8/72(2.2)	Consistent
Kanton	276.9	182	272.7	211.2	37/54	36/10/54(-0.9)	Consistent
Kiritimati	128	119.7	247.6	178.1	33/91	28/6/67(2.4)	Near-Consistent

Period: *below normal/normal/above normal

Predictors and Period used for May to July 2016 Outlooks (refer to OCOF #103):

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
September to November 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	42.6	491.2	57.4		39.9	78.7
Tarawa	40.3	279	59.7		56.2	83.3
Beru	32.8	150.5	67.2		53.4	84.3
Kanton	47.9	65.2	52.1		20.5	65.2
Kiritimati	45.3	41	54.7		23.1	69.8

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Butaritari	18	401.6	45	604	37	38.2	57.4
Tarawa	15	173.8	56	413.2	29	52.2	66.7
Beru	10	87.0	55	213.7	35	56.5	74.5
Kanton	33	43	40	102.4	27	27.4	47.8
Kiritimati	30	20.7	36	55	34	20.6	46

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

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Butaritari	85	439	10	630	5		
Tarawa	5	242	90	558	5		
Arorae	9	117	33	378	58		
Tabuaeran	5	54	68	207	27		
Kiritimati	6	32	31	84	63		
Kanton	6	36	22	114	73		

Summary Statements

Rainfall for July 2016:

The Kiribati rainfall for the month of July was recorded below normal for Tarawa, Kiritimati, Beru and Butaritari. The normal rainfall was observed in Kanton. The ranking for Beru was 2 out of 61.

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

The accumulated rainfall for last 3 month was below normal for Butaritari and normal for Kiritimati and Tarawa. For Beru and Kanton rainfall was above normal. The verification was inconsistent for Butaritari, consistent for Beru and Kanton. Near consistent for Tarawa and Kiritimati.

Outlooks for September to November 2016:

1. SCOPIC:

Normal rainfall is favoured for Butaritari, Tarawa and Beru, with below normal the next most likely. For Kanton normal rainfall is also favoured with above normal the next most likely. The outlook offers little guidance for the coming season for Kiritimati as the chances of above-normal, normal and below-normal rainfalls are similar.

2. POAMA:

Above normal rainfall is favoured for Arorae, Kiritimati and Kanton. Normal rainfall for Tarawa and Tabuaeran and below normal for Butaritari.

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: $X \geq 35$