

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 96

Country Name: KIRIBATI

TABLE 1: Monthly Rainfall

Station (include data period)	August 2015						
	June 2015 Total	July 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Tarawa	382.1	171.9	233.1	64.5	166.2	104.3	52/66
Kiritimati	429.6	417.3	171.7	7.4	23.9	13.2	87/90
Kanton	49.9	224	165.8	34.5	90.0	50.3	49/56
Butaritari	509.9	87.8	176.7	140.1	252.6	202.0	29/76
Beru	183.3	135.8	-	43.0	87.0	62.6	-

**TABLE 2: Three-monthly Rainfall
June to August 2015**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #92]

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?)
Tarawa	787.1	264.6	525.7	360.9	57/66	22/28/50(4.5)	Consistent
Kiritimati	1018.6	75.5	165.3	124.0	90/90	39/23/38(-1.0)	Inconsistent
Kanton	439.7	174.5	284.2	241.1	48/54	30/37/33(-2.9)	Near-Consistent
Butaritari	774.4	627.6	857.7	754.0	39/72	25/24/51(3.6)	Near-Consistent
Beru	-	156.7	314.3	211.0	-	13/24/63(12.8)	-

Period: *below normal/normal/above normal

Predictors and Period used for June to August 2015 Outlooks (refer to OCOF #92):

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
October to December 2015**

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

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Tarawa	0	329.3	100		49.8	83.1
Kiritimati	1	46.8	99		36.6	73.4
Kanton	3	41.9	97		32.5	73.3
Butaritari	0	560.8	100		48.6	83.3
Beru	0	214.0	100		58.7	88.2

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Tarawa	0	251.9	1	532.7	99	60.2	72.3
Kiritimati	0	24.5	2	71.9	98	37.4	60.9
Kanton	0	29.9	2	86.7	98	41.7	64.4
Butaritari	0	487.1	2	726.0	98	46.1	68.3
Beru	0	117.0	0	326.0	100	56.6	70.6

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
October to December 2015**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Arorae	6	117	5	378	89		
Butaritari	24	439	15	630	61		
Kanton	18	36	5	114	77		
Kiritimati	9	32	5	84	86		
Tabuaeran	6	54	9	207	85		
Tarawa	6	242	15	558	79		

Summary Statements

Rainfall for August 2015:

August rainfall was above normal except at Butaritari which received normal rainfall. Kiritimati rainfall ranked fourth, from the highest record of ninety. Kanton ranked the seventh from highest.

Accumulated rainfall for June to August 2015, including outlook verification:

Rainfall for all stations was above normal except for Butaritari which received normal rainfall. Forecast was near-consistent in Kanton and Butaritari. Tarawa was consistent and Kiritimati is inconsistent. Forecast skill was very low to good.

Outlooks for October to December 2015:

1. SCOPIC:

Above normal rainfall is favoured all stations, with exceptional forecast skill.

2. POAMA:

Above normal rainfall favoured for all stations.

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: $X \geq 35$