

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 95

Country Name: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)	July 2015						
	May 2015 Total	June 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Tarawa	439.6	382.1	171.9	97.2	188.4	134.7	43/66
Kiritimati	170.8	429.6	417.3	21.0	62.2	28.0	89/91
Kanton			-				
Butaritari	375.8	509.9	87.8	199.0	307.7	256.0	2/74
Beru			-				

**TABLE 2: Three-monthly Rainfall
May to July 2015**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #91]

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	993.6	328.9	510.5	403.6	62/66	26/32/42 (3.9)	Consistent
Kiritimati	1017.7	119.0	246.2	178	88/90	36/21/43 (2.3)	Consistent
Kanton	-	178.3	268.0	211.0			
Butaritari	973.5	716.3	894.3	814.3	52/72	27/33/40 (2.5)	Consistent
Beru	-	173	284.8	230.0			

Period: *below normal/normal/above normal

Predictors and Period used for May to July 2015 Outlooks (refer to OCOF #91):

* 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).

Nino 3.4 sst Anomalies extended (2 mth)

TABLE 3: Seasonal Climate Outlooks using SCOPIC for September to November 2015

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

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Tarawa	0.2	277.8	99.8		61.0	84.6
Kanton	9.8	65.1	90.2		18.7	64.4
Butaritari	0.6	493.8	99.4		45.7	80.0
Beru	0.3	150.5	99.7		51.6	82.7
Kiritimati	6.6	41.0	93.4		17.5	67.7

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Tarawa	0	165.9	4	396.5	96	51.7	69.2
Kanton	2	42.8	5	99.7	93	24.6	53.3
Butaritari	0	398.0	14	606.3	86	41.0	55.0
Beru	0	87	2	213.7	98	54.1	73.1
Kiritimati	3	20.0	9	55.0	88	19.7	46.8

TABLE 4: Seasonal Climate Outlooks using POAMA2 for September to November 2015

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Arorae	5	117	5	378	90		
Butaritari	15	439	12	630	73		
Kanton	24	36	6	114	70		
Kiritimati	33	32	5	84	62		
Tabuaeran	5	54	5	207	90		
Tarawa	5	242	5	558	90		

Summary Statements

Rainfall for July 2015:

The March rainfall for Tarawa was normal; Kiritimati rainfall was above normal whereas Butaritari was below normal. Butaritari rainfall ranked 2 out of 74 whereas Kiritimati rainfall ranked 89 out of 91

Accumulated rainfall for May to July 2015, including outlook verification:

The rainfalls from May to July for all stations are above normal. The verification is Consistent with low level of skill

Outlooks for September to November 2015:

1. SCOPIC:

The Kiribati rainfall outlook for September to November 2015 favours above normal rainfall, with normal the next most likely. There is a high to exceptional level of skill at all stations

2. POAMA:

The Kiribati rainfall outlook for September to November 2015 favours above normal rainfall, with 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: $X \geq 35$