

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 92

Country Name: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)	April 2015						
	February 2015 Total	March 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru (Jul1932-Nov 2014)	-	-	-	35.0	111.3	64.0	-
Butaritari (Jul1931-Apr2015)	-	429.1	246.5	238.0	387.4	315.5	28/77
Kanton (Sep1937-Jun2014)	39.5	165.5	-	40.3	85.8	63.6	-
Kiritimati (Jan1921-Apr2015)	35.9	76.3	300.3	81.8	181.0	119.0	77/89
Tarawa (Jan1950-Apr2015)	287.1	434.2	301.2	108.2	215.2	149.0	53/66

TABLE 2: Three-monthly Rainfall February to April 2015

[Please note that the data used in this verification should be sourced from table 3 of OCOF #88]

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	-	103.3	395.3	213.0	-	5/22/ 73 (41.1)	-
Butaritari	-	758.0	1115.0	954.5	-	13/38/ 49 (18.9)	-
Kanton	-	74.3	182.6	127.7	-	24/12/ 64 (17.6)	-
Kiritimati	412.5	256.9	389.0	321.3	61/89	16/24/ 60 (21.1)	Consistent
Tarawa	1022.5	339.5	812.0	558.8	57/66	10/43/ 47 (22.2)	Consistent

Period: *below normal/normal/above normal

Predictors and Period used for February to April 2015 Outlooks (refer to OCOF #88):

NINO 3.4 SST Anomalies extended (Nov-Dec).

* 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
June to August 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
Beru	25.4	211.0	74.6		12.8	63.3
Butaritari	35.6	754.0	64.4		4.3	68.3
Kanton	41.2	241.1	58.8		-0.6	54.5
Kiritimati	53.8	124.0	46.2		-0.9	50.0
Tarawa	24.5	360.9	75.5		13.2	67.7

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru	13	156.7	24	314.3	63	12.8	49
Butaritari	25	627.6	24	857.7	51	3.6	28.3
Kanton	30	174.5	37	284.2	33	-2.9	34.1
Kiritimati	39	75.5	23	165.3	38	-1.0	25
Tarawa	22	264.6	28	525.7	50	4.5	41.5

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
June to August 2015**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Arorae	5	275	40	488	55		
Butaritari	15	544	58	860	27		
Kanton	5	148	59	327	36		
Kiritimati	5	90	68	179	27		
Tabuaeran	5	199	50	460	45		
Tarawa	9	317	42	595	49		

Summary Statements

Rainfall for April 2015:

April records, normal rainfall for Butaritari and above-normal for both Kiritimati and Tarawa.

Accumulated rainfall for February to April 2015, including outlook verification:

February to April recorded above-normal rainfall for both Kiritimati and Tarawa. The verification is consistent and level of skill is high.

Outlooks for June to August 2015:

1. SCOPIC:

The most likely outcome is above-normal for rainfall stations at Beru, Butaritari and Tarawa.

The outlook for Kanton shows little guidance as chances of above-normal, normal and below-normal are similar.

The outlook for Kiritimati is mixed, with similar chances for above-normal or below normal rainfall. Near-normal is the least likely outcome.

2. POAMA:

The most likely outcome is normal for rainfall stations at Butaritari, Kanton, Kiritimati and Tabuaeran; And above-normal for Arorae and Tarawa.

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: $X \geq 35$