

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 93

Country Name: KIRIBATI

TABLE 1: Monthly Rainfall

Station (include data period)	May 2015						
	March 2015 Total	April 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru (Jul1932-Nov2014)	82.1	124.9	-	38.8	96.5	65.3	-
Butaritari (Jul1931-Apr2015)	429.1	246.5	375.8	224.0	328.0	302.9	57/76
Kanton (Sep1937-Jun2014)	165.5	70.2	-	48.9	91.6	62.5	-
Kiritimati (Jan1921-Apr2015)	76.3	300.3	423.7	34.6	104.8	59.5	91/91
Tarawa (Jan1950-Apr2015)	434.2	301.2	439.6	95.7	170.9	141.2	65/66

TABLE 2: Three-monthly Rainfall March to May 2015

[Please note that the data used in this verification should be sourced from table 3 of OCOF #89]

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	-	204.0	600	309.0		19/28/ 53 (21.7)	-
Butaritari	1051.4	588.0	907.8	769.0	45/76	18/38/ 44 (13.9)	Consistent
Kanton	-	26.0	142.5	58.4		26/25/ 49 (9.6)	-
Kiritimati	800.3	32.3	102.2	58.4	84/89	23/28/ 49 (12.2)	Consistent
Tarawa	1175	321.1	741.8	498.0	64/66	20/38/ 42 (10.6)	Consistent

Period: *below normal/normal/above normal

Predictors and Period used for March to May 2015 Outlooks (refer to OCOF #89):

Nino 3.4 SST Anomalies extended (2 mth).

* 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 July to September 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
Beru	13.2	173.0	86.8		17.5	62.0
Butaritari	14.9	634.0	85.1		15.9	71.7
Kanton	39.3	170.9	60.7		-0.6	59.1
Kiritimati	46.7	72.1	53.3		-1.6	23.8
Tarawa	12.7	335.0	87.3		19.6	69.2

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru	3	130.7	13	292.5	84	23.8	56.0
Butaritari	5	506.3	35	743.0	60	13.5	51.7
Kanton	17	138.2	43	219.0	40	0.7	29.5
Kiritimati	26	42.6	29	101.3	45	-0.1	36.5
Tarawa	6	195.8	14	543.6	80	19.7	52.3

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

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Arorae	5	191	68	574	27		
Butaritari	18	464	42	730	40		
Kanton	5	111	59	226	36		
Kiritimati	5	75	90	131	5		
Tabuaeran	5	83	89	317	6		
Tarawa	5	270	53	636	42		

Summary Statements

Rainfall for May 2015:

May records, above normal rainfall for Butaritari, Kiritimati and Tarawa. Kiritimati ranks 91 out of 91. Tarawa ranks 65 out of 66.

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

March to May recorded above-normal rainfall for Butaritari, Kiritimati and Tarawa. Verification is consistent for all and level of skill is from moderate to high.

Outlooks for July to September 2015:

1. SCOPIC:

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

Kanton likely outcome is normal.

2. POAMA:

The most likely outcome is normal for rainfall stations at Arorae, Kanton, Kiritimati, Tabuaeran and Tarawa. Normal to above-normal rainfall is likely 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: $X \geq 35$