

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 70

Country Name: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)			June 2013				
	April 2013 Total	May 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru (1932:2013)	51.4	36.7	148.8	47.3	102.3	75	50/60
Butaritari(1931:2013)	274.3	166.5	201.6	212.3	312.1	259	24/75
Kanton (1937:2013)	78.9		88.3	53.3	105.2	81	32/56
Kiritimati(1921:2013)	528.2	114.8	MISSING JUNE OBSERVATION				
Tarawa(1950:2013)	310	47.3	68.5	84.7	163.2	122	15/64

**TABLE 2: Three-monthly Rainfall
April to June 2013**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #66]

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	236.9	155.3	340.3	219	31/58	30/38/32 (2.1)	Consistent
Butaritari	642.4	740	1044	898	17/74	28/38/34 (4.1)	Near Consistent
Kanton	MISSING MAY OBSERVATION						
Kiritimati	MISSING JUNE OBSERVATION						
Tarawa	425.8	318.2	532.7	418.4	34/64	25/39/36 (3.5)	Consistent

Period: *below normal/normal/above normal

* 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
August to October 2013**

Predictors and Period used: SSTa's 1 and 9 (3 mths) 1949 - 2013

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Beru	63.7	133	36.3		32.6	76
Butaritari	68.7	537.2	31.3		32.8	73.3
Kanton	62.6	126.7	37.4		8.5	59.1
Kiritimati	41.5	42.1	58.5		0.7	54.8
Tarawa	66	278.6	34		17.0	68.3

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru	37.1	106.7	43.4	204	19.5	17.8	48
Butaritari	50.1	351.1	23.8	630.3	26.1	14.1	55
Kanton	31	76.4	57.2	173.3	11.8	18.8	61.4
Kiritimati	39.4	26.8	37.2	58	23.4	2.6	40.3
Tarawa	50.5	184	37.3	468.8	12.2	21.2	52.4

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
August to October 2013**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Tarawa	20	261	75	651	5		
Tabuaeran	5	68	90	199	5		

Summary Statements

Rainfall for June 2013:

Beru is *above normal*. Butaritari and Tarawa are *below normal* while Kanton is normal.

Accumulated rainfall for April–June 2013, including outlook verification:

Beru is *normal* and consistent. *Below normal* and near consistent in Butaritari. Normal and is Consistent in Tarawa.

Outlooks for August–October 2013:

1. SCOPIC: With Tercile outlook, Beru favours normal with high level of skill. Butaritari favours below normal with a good level of skill. Kanton favours normal with high level of skill. Kiritimati favours below normal with low level of skill and Tarawa favours below normal with high level of skill.
2. POAMA: Normal rainfall is favoured for both Tarawa and Tabuaeran.

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: $X \geq 35$