

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 71

Country Name: KIRIBATI

TABLE 1: Monthly Rainfall

Station (include data period)			July 2013				
	May 2013 Total	June 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru (1932:2013)	36.7	148.8	17.3	43.7	121.3	75.4	3/58
Butaritari(1931:2013)	166.5	201.6	MISSING JULY OBSERVATION				
Kanton (1937:2013)	231.2	88.3					
Kiritimati(1921:2013)	114.8	2.5	3.1	21.0	62.2	28.9	7/89
Tarawa(1950:2013)	47.3	68.5	49.4	97.2	188.4	133.2	14/64

**TABLE 2: Three-monthly Rainfall
May to July 2013**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #67]

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	202.8	171.0	283.0	230.0	24/56	39/41/20 (10.2)	Consistent
Butaritari	MISSING JULY OBSERVATION						
Kanton							
Kiritimati	120.4	115.7	245.6	178.0	31/88	40/26/34 (0.6)	Near Consistent
Tarawa	165.2	330.7	510.2	403.6	8/64	30/40/30 (5.0)	Near Consistent

Period: *below normal/normal/above normal

Predictors and Period used for May to July 2013 Outlooks (refer to OCOF #67):

SST'a 1 and 9 (Jan-Mar)

* 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
September to November 2013**

Predictors and Period used: 3 months SSTa's 1 and 9 from May to July 2013.

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Beru	83.1	150.5	16.9		49.7	86.3
Butaritari	75.2	496.3	24.8		29.5	70.0
Kanton	57.2	65.0	42.8		10.2	60.0
Kiritimati	52.5	39.0	47.5		2.4	55.0
Tarawa	77.2	277.8	22.8		40.9	74.6

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru	56.7	87.0	30.2	219.0	13.1	36.6	56.9
Butaritari	52.2	394.5	29.7	608.7	18.1	17.5	45.0
Kanton	35.9	42.6	50.0	97.4	14.1	15.5	51.1
Kiritimati	49.4	19.9	24.7	53.7	25.9	7.2	45.0
Tarawa	56.5	158.1	38.0	413.2	5.5	36.5	55.6

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
September to November 2013**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Tarawa	20.00	242	73.33	558	6.67		
Tabuaeran	16.67	54	46.66	207	36.67		

Summary Statements

Rainfall for July 2013:

All stations recorded *Below Normal* rainfall.

Accumulated rainfall for May–July 2013, including outlook verification:

Beru is *Normal* and consistent.

Kiritimati is *Normal* and near consistent.

Tarawa is *Below Normal* and near consistent.

Outlooks for September–November 2013:

1. SCOPIC:

With Tercile Outlook Beru, Butaritari, Kiritimati and Tarawa all favour *Below Normal* rainfall except for Kanton which favours *Normal* rainfall. Level of skill will be moderate to exceptional. Beru and Tarawa are exceptional, Butaritari and Kanton both High while Kiritimati is moderate.

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: $X \geq 35$