

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 73

Country Name: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)			September 2013				
	July 2013 Total	August 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru (1932:2013)	17.3	9	83.7	28.0	67.0	47.0	44/61
Kanton (1937:2013)	98.9	24.2	47.8	19.8	51.9	35.7	37/57
Kiritimati(1921:2013)	3.1	1.2					
Tarawa(1950:2013)	49.4	25.1	112.1	52.6	143.8	84.3	34/64

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

[Please note that the data used in this verification should be sourced from table 3 of OCOF #69]

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 (1932:2013)	110	133.3	314.5	180.0	11/58	37.3/ 48.6 /14.1(22.2)	Near consistent
Kanton (1937:2013)	170.9	135.0	223.0	171.4	27/53	36.0/ 39.0 /25.0(-2.3)	Consistent
Tarawa(1950:2013)	186.6	198.5	547.1	335.0	20/64	43.0 /38.7/18.3(18.2)	Consistent

Period: *below normal/normal/above normal

Predictors and Period used for July to September 2013 Outlooks (refer to OCOF #69):

SST indices 1 and 9 (3 mths) 1949-2013

* 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
November 2013 to January 2014**

Predictors and Period used: SOI values 3 (mths) Jan 1876-Sep 2013

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Beru (1932:2013)	66.2%	334.0	33.8%		36.8%	77.2%
Butaritari(1931:201)	69.2%	772.2	30.8%		42.7%	80.6%
Kanton (1937:2013)	60.6%	57.2	39.4%		22.0%	70.8%
Kiritimati(1921:2013)	67.4%	59.1	32.6%		28.3%	78.6%
Tarawa(1950:2013)	71.9%	506.0	28.1%		45.6%	81.0%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru (1932:2013)	42.6%	209.9	37.9%	606.7	19.5%	33.8%	56.1%
Butaritari(1931:201)	42.1%	585.0	41.5%	921.2	16.4%	26.2%	55.6%
Kanton (1937:2013)	40.7%	25.9	41.3%	129.0	18.0%	24.6%	39.6%
Kiritimati(1921:2013)	45.7%	32.0	40.2%	103.3	14.1%	34.6%	57.1%
Tarawa(1950:2013)	42.7%	318.9	42.0%	761.4	15.3%	35.4%	60.3%

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
November 2013 to January 2014**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Tarawa	70	351	6.67	759	23.33		
Tabuaeran	86.67	34	5.00	362	8.33		

Summary Statements

Rainfall for September 2013:

Kanton and Tarawa stations recorded normal rainfall while Beru station recorded above normal rainfall.

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

Beru and Tarawa stations recorded below normal rainfall. Near consistent in Beru and Consistent in Tarawa. Kanton recorded normal rainfall and is consistent.

Outlooks for November 2013–January 2014:

1. SCOPIC:

All rainfall stations favour below normal rainfall except for Kanton to favour normal rainfall. Beru, Butaritari and Kiritimati level of skill is very high, Tarawa is exceptional and Kanton is high.

2. POAMA:

Below normal rainfall favoured in the coming three months period (November-January) 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: $X \geq 35$