

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 77

Country Name: KIRIBATI

TABLE 1: Monthly Rainfall

Station (include data period)	January 2014						
	November 2013 Total	December 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru (1932:2013)	47.3	107.3		61.1	266.3	127.0	
Butaritari(1931:2013)	218.4	270.9	244.9	203.0	357.3	286.0	32/76
Kanton (1937:2013)	31.1	97.8	13.6	4.7	70.4	10.9	28/54
Kiritimati(1921:2013)	45.5	0.7	0.5	17.7	66.9	36.1	3/87
Tarawa(1950:2013)	9.4	139.8	237.5	136.7	326.5	222.8	34/65

TABLE 2: Three-monthly Rainfall November 2013 to January 2014

[Please note that the data used in this verification should be sourced from table 3 of OCOF #73]

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)		209.9	606.7	334.0		42.6/37.9/19.5 (33.8)	
Butaritari(1931:2013)	734.2	585.0	921.2	772.2	34/73	42.1/41.5/16.4 (26.2)	Near-consistent
Kanton (1937:2013)	142.5	25.9	129.0	57.2	33/49	40.7/41.3/18.0 (24.6)	Near-consistent
Kiritimati(1921:2013)	46.7	32.0	103.3	59.1	33/71	45.7/40.2/14.1 (34.6)	Near-consistent
Tarawa(1950:2013)	386.7	318.9	761.4	506.0	25/64	42.7/42.0/15.3 (35.4)	Near-consistent

Period: *below normal/normal/above normal

Predictors and Period used for November 2013 to January 2014 Outlooks (refer to OCOF #73): SOI values 3 (mths) Jan 1876-Sep 2013

TABLE 3: Seasonal Climate Outlooks using SCOPIC for March to May 2014

Predictors and Period used: SSTa's 1 and 9 (3 months) Jan 1949- Jan 2014

Station	Below Median	Median Rainfall	Above Median	LEPS	Hit-rate

	(prob)	(mm)	(prob)			
Beru (1932:2013)	47	257.5	53		26.0	68.0
Butaritari(1931:2013)	36	942.0	64		4.5	61.3
Kanton (1937:2013)	41	167.3	59		6.9	63.0
Kiritimati(1921:2013)	48	313.1	52		10.5	64.5
Tarawa(1950:2013)	55	487.6	45		5.2	59.4

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru (1932:2013)	18	145.4	40	378.0	42	22.3	52.0
Butaritari(1931:2013)	32	785.7	46	1158.7	22	6.6	50.0
Kanton (1937:2013)	26	123.2	47	222.9	27	5.7	41.3
Kiritimati(1921:2013)	26	286.9	33	400.7	41	11.1	38.7
Tarawa(1950:2013)	31	330.2	32	634.0	37	6.9	35.9

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
March to May 2014**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Tarawa	12	364	82	665	6		
Tabuaeran	30	467	65	753	5		

Summary Statements

Rainfall for January 2014:

Normal rainfall recorded in the Tarawa, Butaritari and Kanton station.

Below normal rainfall recorded in the Line Islands station, Kiritimati.

Rainfall for Kiritimati ranked 3 out of 87 for January.

Accumulated rainfall for November 2013 to January 2014, including outlook verification:

Normal rainfall with exceptional level of skill and near consistent in Tarawa and Butaritari stations.

Normal rainfall with a very high level of skill and near consistent in Kiritimati station.

Above normal rainfall with high level of skill and near consistent in Kanton.

Outlooks for March-May 2014:

1. SCOPIC:

Kiritimati, Beru and Tarawa favour above normal rainfall.

Kanton and Butaritari favour normal rainfall.

2. POAMA:

Tarawa and Tabuaeran both favour normal rainfall.

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: $X \geq 35$