

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 102

Country Name: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)	February 2016						
	December 2015 Total	January 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Butaritari	174	361	202.4	740	1046	902	30/78
Tarawa	272	521.7	706.7	344.9	569.8	423.8	67/67
Beru	-	-	400.2	160.7	346.7	225.7	59/63
Kiritimati	666.8	720	490.6	212.1	379.7	284.9	89/91
Kanton	381.9	428.8	370.3	176.1	252.4	217.6	57/60

**TABLE 2: Three-monthly Rainfall
December 2015 to February 2016**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #97]

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?)
Butaritari	737.4	643.3	1056.6	875.5	59/76	2/23/75(19.6)	Near Consistent
Tarawa	1500.4	390.5	852.7	680.7	64/66	0/12/88(44)	Consistent
Beru	-	177.2	652.7	349	53/59	0/11/89(41.3)	-
Kiritimati	1877.4	59.9	155	116	89/89	0/1/99(43.2)	Consistent
Kanton	1181	30.3	204	59.7	36/56	0/1/99(37.6)	Consistent

Period: *below normal/normal/above normal

Predictors and Period used for December to February 2016 Outlooks (refer to OCOF #98):

Nino 3.4 (2 mth extended)

* 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
April to June 2016**

Predictors and Period used: Nino 3.4 (2 mth extended)

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Butaritari	16.5	902	83.5		8	65.6
Tarawa	18.6	423.8	81.4		6.1	60.6
Beru	18.7	225.7	81.3		4.5	62.7
Kiritimati	19.2	284.9	80.8		5.1	56.2
Kanton	20.6	217.6	79.4		3.4	62.5

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Butaritari	4	793	31	1100	65	13.8	46
Tarawa	5	339.3	34	646	61	11.9	49.2
Beru	2	149.6	4	380	94	21.7	52
Kiritimati	5	287.8	9	407.3	86	14.2	42.9
Kanton	8	128.6	5	224.8	87	11.5	29.8

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
April to June 2016**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Butaritari	55	749	15	1050	30		
Tarawa	18	364	33	681	49		
Kiritimati	30	244	6	399	64		
Kanton	5	151	16	307	79		
Arorae	6	274	36	539	58		
Tabuaeran	39	391	28	814	33		

Summary Statements

Rainfall for February 2016:

The rainfall for Kiribati Stations was above normal for Tarawa, Beru, Kiritimati and Kanton, below normal rainfall was observed for Butaritari station. Tarawa was ranked 67 out of 67 and Kiritimati was ranked 89 out of 91.

Accumulated rainfall for December to February 2016, including outlook verification:

The three month rainfall for Kiribati stations was above normal for Tarawa, Kiritimati and Kanton. Butaritari was observed to be normal rainfall. The verification was consistent for Tarawa, Kiritimati and Kanton whereas Butaritari was near consistent. The level of skill was high to exceptional.

Outlooks for April to June 2016:

1. SCOPIC:

The rainfall for this coming season favour above normal rainfall for all stations in Kiribati, and normal the next most likely for all except Kanton was below normal the most likely. Confident in the outlook was good.

2. POAMA:

The Kiribati stations were above normal for Tarawa, Kiritimati, Arorae and Kanton, whereas Butaritari and Tabuaeran were below normal.

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: $X \geq 35$