

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 103

Country Name: KIRIBATI

TABLE 1: Monthly Rainfall

Station (include data period)	March 2016						
	January 2016 Total	February 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru	-	400.2	470.6	21.0	134.7	57.7	61/63
Butaritari	361	202.4	163.1	190.3	402.0	282.0	19/78
Kanton	428.8	370.3	353.7	20.1	60.1	28.3	57/59
Kiritimati	720.0	490.6	327.2	76.4	137.5	103.6	85/91
Tarawa	521.7	706.7	652.4	113.4	270.9	178.9	66/67

**TABLE 2: Three-monthly Rainfall
January to March 2016**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #99]

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	-	23	78.7	37.5	-	1/6/93(26.8)	-
Butaritari	726.5	723	1119	903	27/77	0/8/92(24.1)	Near consistent
Kanton	1152.8	41	171	111	52/54	1/4/94(26.3)	Consistent
Kiritimati	1537.8	160	300	222	87/88	0/1/99(35.7)	Consistent
Tarawa	1880.8	348	935	688	67/67	1/6/93(31.4)	Consistent

Period: *below normal/normal/above normal

Predictors and Period used for January to March 2016 Outlooks (refer to OCOF #99):

Nino 3.4 SST Anomalies extended (2mths)

* 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
May to July 2016**

Predictors and Period used: Nino 3.4 SST Anomalies extended (2mths)

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Beru	19.8	230.0	80.2		3.8	59.2
Butaritari	26.9	820.2	73.1		1.1	59.0
Kanton	21.5	211.2	78.5		3.2	56.8
Kiritimati	26.4	178.1	73.6		2.5	53.8
Tarawa	14.3	404.3	85.7		7.7	60.6

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru	20	173.0	8	284.8	72	2.2	36.7
Butaritari	13	720.7	27	916.3	60	2.9	41.0
Kanton	36	182.0	10	272.7	54	-0.9	36.4
Kiritimati	28	119.7	6	247.6	67	2.4	44.6
Tarawa	11	330.7	31	523.5	58	3.6	37.9

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
May to July 2016**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Butaritari	52	707	27	880	21		
Tarawa	46	370	33	554	21		
Arorae	9	289	67	476	24		
Tabuaeran	70	315	21	622	9		
Kanton	12	165	61	270	27		
Kiritimati	73	226	12	226	15		

Summary Statements

Rainfall for March 2016:

The Kiribati rainfall was observed for the last month, was above normal for Tarawa, Beru, Kanton and Kiritimati. In Butaritari the rainfall was observed below normal. For ranking 66 out of 67 for Tarawa and Kanton ranks 57 out of 59.

Accumulated rainfall for January to March 2016, including outlook verification:

The Kiribati rainfall for the last session was observed above normal for all stations except Beru for missing data. The verification was consistent for all stations.

Outlooks for May to July 2016:

1. SCOPIC:

The Kiribati rainfall for this coming three month was forecast to be above normal for stations with normal the next most likely. The confident is very low to low.

2. POAMA:

The Kiribati rainfall was normal for station Arorae and Kanton with the next most likely was above normal. For Butaritari, Tarawa, Tabuaeran and Kiritimati was below normal with normal the next most likely.

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: $X \geq 35$