Pacific Islands - Online Climate Outlook Forum (OCOF) No. 94

Country Name: KIRIBATI

TABLE 1: Monthly Rainfall

Station (include data period)			June 2015				
	April 2015 Total	May 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru (Jul1932-Nov 2014)	124.9	-	183.3	50.0	109.0	75.5	56/62
Butaritari (Jul1931-Apr2015)	246.5	375.8	509.9	210.0	312.6	259.0	75/77
Kanton (Sep1937-Jun2014)	70.2	-	49.9	53.3	106.0	81.2	17/57
Kiritimati (Jan1921-Apr2015)	300.3	423.7	395	21.8	88.6	54.0	88/90
Tarawa (Jan1950-Apr2015)	301.2	439.6	382.1	84.6	164.3	122.0	66/66

TABLE 2: Three-monthly Rainfall
April to June 2015

[Please note that the data used in this verification should be sourced from table 3 of OCOF #90]

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	-	160.7	346.7	225.7	-	28/31/**41** (2.3)	-
Butaritari	1132.2	730.7	1044.7	898.0	59/76	23/35/**42** (7.3)	consistent
Kanton	-	174.8	252.7	217.4	-	31/25/**44** (3.6)	-
Kiritimati	1119	211.7	377.0	283.5	89/89	25/36/**39** (1.9)	consistent
Tarawa	1122.9	333.1	547.3	421.9	64/66	25/33/**42** (5.4)	consistent

Period:*below normal/normal/above normal

Predictors and Period used for April to June 2015 Outlooks (refer to OCOF #90):

NINO 3.4 SST Anomalies extended (2 months) Jan 1950 to Feb 2015

*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 August to October 2015

Predictors and Period used:

NINO 3.4 SST Anomalies extended (2 months) Jan 1950 to June 2015

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Beru	0.9	133.0	99.1		38.6	80.4
Butaritari	1.3	539.1	98.7		42.6	80.0
Kanton	14.9	127.1	85.1		15.3	70.5
Kiritimati	*27.9*	*42.1*	*72.1*		*3.8*	*65.1*
Tarawa	5.0	280.2	95.0		30.8	76.9

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru	3	104.3	6	200.3	**91**	23.5	56.9
Butaritari	1	351.2	22	629.7	**77**	24.8	48.3
Kanton	5	81.5	8	173.2	**87**	24.9	61.4
Kiritimati	13	26.6	33	58.0	**54**	5.4	47.6
Tarawa	1	193.6	15	431.2	**84**	34.8	56.9

TABLE 4: Seasonal Climate Outlooks using POAMA2 for August to October 2015

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Arorae	5	142	5	495	**90**		
Butaritari	6	415	12	681	**82**		
Kanton	24	52	12	165	**64**		
Kiritimati	**42**	30	16	89	**42**		
Tabuaeran	5	68	5	199	**90**		
Tarawa	5	261	5	651	**90**		

Summary Statements

Rainfall for June 2015:
Above normal rainfall received at Beru, Butaritari, Kiritimati and TarawaBelow normal rainfall at Kanton.

Both Kiritimati and Tarawa got an outstanding ranking of 90 out of 90 and 66 out of 66 (highest on record) respectively.

Rainfall at Kanton and Butaritari was amongst the wettest five years on record for the month of June while, Beru was among the wettest ten years on record.

Accumulated rainfall for April to June 2015, including outlook verification:
April to June rainfall was above normal at Butaritari, Kiritimati and Tarawa. Observed rainfall was consistent with the outlooks for the same period. The level of skill ranged from low to moderate.
Kiritimati rainfall was outstanding as April to June rainfall was the highest on record and Tarawa came third on record with a rank of 64 out of 66.

Outlooks for August to October 2015:
1. SCOPIC:

The most likely outcome is above normal rainfall at Beru, Butaritari, Kanton, Kiritimati and Tarawa with moderate to very high level of skill.

2. POAMA:

The most likely outcome is above normal rainfall at Arorae, Butaritari, Kanton, Tabuaeran and Tarawa.

At Kiritimati the outlook is mixed with similar chances of above and below normal rainfall.

NB: The X LEPS % score has been categorised as follows:

Very Low: X < 0.0	Low: 0 ≤ X < 5	Moderate 5 ≤ X < 10	Good: 10 ≤ X < 15	High: 15≤ X < 25
Very High: 25 ≤X < 35	Exceptional: X ≥ 35			