Pacific Islands - Online Climate Outlook Forum (OCOF) No. 114

Country Name: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)			February 2017				
	December 2016 Total	January 2017 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Butaritari	99.2	102.5	76.7	188.0	298.5	257.5	10/79
Tarawa	122.6	53.4	35.4	92.7	273.2	184.0	9/68
Beru	10.8	95.5	3.6	10.0	146.6	46.0	11/64
Kanton	1.5	12.8	6.5	4.9	39.2	8.2	25/61
Kiritimati	0	7.0	55.6	30.3	92.0	51.0	51/92

TABLE 2: Three-monthly Rainfall
December 2016 to February 2017

[Please note that the data used in this verification should be sourced from table 3 of OCOF #110]

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	278.4	622	1052.8	865	5/76	**43**/36/21(16.2)	Consistent
Tarawa	211.4	394.1	863.1	690.4	14/67	**57**/33/10(43.3)	Consistent
Beru	109.9	191.5	666.3	363.6	17/60	**53**/39/8(40.6)	Consistent
Kanton	20.8	31.1	205.9	61	17/52	**51**/46/3(45)	Consistent
Kiritimati	62.6	64.2	157.0	117	28/82	**50**/47/3(39.4)	Consistent

Period:*below normal/normal/above normal

Predictors and Period used for December 2016 to February 2017 Outlooks (refer to OCOF #110)**: Nino 3.4 SST ANOM (2 MTHS)**

*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 2017

Predictors and Period used: Nino 3.4 SST ANOM (2 MTHS)

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Butaritari	52.8	898	47.2		4.5	64.6
Tarawa	53.6	425.8	46.4		7.4	61.2
Beru	53.9	236.9	46.1		8.0	66.0
Kanton	52.8	217.6	47.2		4.3	62.0
Kiritimati	52.3	284.9	47.7		6.6	57.6

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Butaritari	**35**	721.3	**35**	1045.3	30	4.3	44.6
Tarawa	**36**	356.7	**36**	585.5	28	7.4	47.8
Beru	**35**	162.0	**35**	353.0	30	5.0	45.3
Kanton	36	174.8	**37**	252.7	27	5.7	42.0
Kiritimati	**35**	211.7	34	381.0	31	4.7	43.9

TABLE 4: Seasonal Climate Outlooks using POAMA2 for April to June 2017

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Arorae	5	274	**80**	539	15		
Butaritari	24	749	18	1050	**58**		
Kanton	18	151	**49**	307	33		
Kiritimati	33	244	15	399	**52**		
Tabuaeran	33	391	27	814	**40**		
Tarawa	24	364	**46**	681	30		

Summary Statements

Rainfall for February 2017:
The Kiribati stations Butaritari, Tarawa and Beru observed below normal rainfall, while Kanton and Kiritimati recorded normal rainfall.

Accumulated rainfall for December 2016 to February 2017, including outlook verification:

All Kiribati stations recorded below normal rainfall for the last three month. The verification was consistent for all stations.

Outlooks for April to June 2017:
1. SCOPIC:

The current outlook offers little guidance at all Kiribati stations, as the chances of below normal, normal and above normal are similar.

2. Poama:

The Kiribati stations was above normal rainfall for Butaritari, Kiritimati and Tabuaeran, whereas Arorae, Kanton and Tarawa was 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