Pacific Islands - Online Climate Outlook Forum (OCOF) No. 115

Country Name: KIRIBATI

TABLE 1: Monthly Rainfall

Station (include data period)			March 2017				
	January 2017 Total	February 2017 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru (Jul 1932-Mar 2017)	95.5	3.6	6.2	22	136	60	8/64
Butaritari (Jul 1931- Mar 2017)	102.5	76.7	159.8	189	402	282	19/80
Kanton (Sept 1937- Mar 2017)	12.8	6.5	13.9	20	63	30	16/60
Kiritimati (Jan 1921- Mar 2017)	7.0	55.6	100.8	76	142	106	45/92
Tarawa (Jan 1950- Mar 2017)	53.4	35.4	124.3	114	271	187	27/68

TABLE 2: Three-monthly Rainfall
January 2017 to March 2017
[Please note that the data used in this verification should be sourced from table 3 of OCOF #111]

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 (Jul 1932-Mar 2017)	105.3	145	502	304	17/64	**52**/37/11 (30.5)	Consistent
Butaritari (Jul 1931- Mar 2017)	339.0	710.6	1117	888	10/79	**42**/35/23 (10.6)	Consistent
Kanton (Sept 1937- Mar 2017)	33.2	43	185.2	111.9	17/56	**49**/45/6 (30.5)	Consistent
Kiritimati (Jan 1921- Mar 2017)	163.4	160	299.8	221.6	33/91	**49**/45/7 (36)	Near-consistent
Tarawa (Jan 1950- Mar 2017)	213.1	348.4	945.9	728.3	14/68	**50**/35/15 (28.2)	Consistent

Period:*below normal/normal/above normal

Predictors and Period used for January 2017 to March 2017 Outlooks (refer to OCOF #111):

Nino 3.4 sst anomalies extended (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 May to July 2017

Predictors and Period used: Nino 3.4 sst anomalies extended (2 mths)

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Beru	50	232	50		5.4	60
Butaritari	50	814	50		0.2	56.5
Kanton	51	211	49		5.8	56.2
Kiritimati	50	178	50		0.5	52.2
Tarawa	50	404	50		4.9	59.7

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru	**36**	174	33	288	31	4.4	36
Butaritari	33	712	**34**	896	33	1.0	41.9
Kanton	**35**	178	34	276	31	1.5	39.6
Kiritimati	**34**	121	33	248	33	1.1	38.8
Tarawa	33	332	**34**	511	33	3.1	38.8

TABLE 4: Seasonal Climate Outlooks using POAMA2 for May to July 2017

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Arorae	30	289	**65**	476	5		
Butaritari	**52**	707	24	880	24		
Kanton	15	165	**76**	270	9		
Kiritimati	**88**	126	5	226	7		
Tabuaeran	**76**	315	12	622	12		
Tarawa	**61**	370	33	554	6		

Summary Statements

Rainfall for March 2017:
March rainfall was below normal in Beru, Butaritari and Kanton, and normal in,Kiritimati and Tarawa.

Accumulated rainfall for January to March 2017, including outlook verification:
The 3 months total for all stations was below normal, except for Kiritimati which recorded normal rainfall.

Outlook verification- Stations are all consistent with Kiritimati being near-consistent.

Outlooks for May to July 2017:

1. SCOPIC:

The outlook offers little guidance for the coming season as the chances of above-normal, normal and below-normal rainfall are similar for all stations.

2. POAMA:

Below normal is favoured in Butaritari, Kiritimati, Tabuaeran and Tarawa, while at Arorae and Kanton the outlook favours 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