Pacific Islands - Online Climate Outlook Forum (OCOF) No. 113

Country Name: KIRIBATI

TABLE 1: Monthly Rainfall

Station (include data period)			January 2017				
	November 2016 Total	December 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
BERU	0	10.8	95.5	61.1	262.6	132.0	26/64
BUTARITARI	13.4	99.2	102.5	203.0	348.7	281.5	10/79
KANTON	1.5	1.5	12.8	5.1	70.4	16.6	28/57
KIRITIMATI	2.7	0.0	7.0	17.9	66.9	34.4	16/91
TARAWA	16.2	122.6	53.4	140.0	326.5	229.4	14/68

TABLE 2: Three-monthly Rainfall
November 2016 to January 2017
[Please note that the data used in this verification should be sourced from table 3 of OCOF #109]

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	106.3	209.9	606.7	309.0	12/62	47/**48**/5(51.4)	Near Consistent
BUTARITARI	215.1	585.0	899.3	753.0	4/76	**44**/40/16(29.0)	Consistent
KANTON	15.8	34.0	142.5	57.8	12/53	**47**/43/10(34.7)	Consistent
KIRITIMATI	9.7	33.0	103.3	58.4	7/75	**49**/45/6(41.9)	Consistent
TARAWA	192.2	346.3	761.4	510.0	14/67	**48**/41/11(41.6)	Consistent

Period:*below normal/normal/above normal

Predictors and Period used for November 2016 to January 2017 Outlooks (refer to OCOF #109): Nino 3.4SST Anomalies 2mths

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* 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 March to May 2017

Predictors and Period used: Nino 3.4SST Anomalies 2mths

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Beru	68.4	265.5	31.6		32.1	78.4
Butaritari	57.5	944.0	42.5		7.5	70.3
Kanton	61.1	167.5	38.9		15.6	67.3
Kiritimati	59.1	323.0	40.9		16.9	64.6
Tarawa	59.3	517.3	40.7		12.2	66.7

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru	**43**	153.8	42	381.4	15	23.5	52.9
Butaritari	**40**	785.7	33	1098.3	27	8.9	46.9
Kanton	40	125.0	**41**	224.8	19	12.7	32.7
Kiritimati	**40**	288.6	39	411.0	21	15.2	46.2
Tarawa	**41**	343.9	33	666.3	26	12.9	50.0

TABLE 4: Seasonal Climate Outlooks using POAMA2 for

March to May 2017

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Arorae	24	243	**67**	681	9		
Butaritari	33	734	12	1195	**55**		
Kanton	22	95	**42**	200	36		
Kiritimati	39	303	5	537	**56**		
Tabuaeran	30	467	21	753	**49**		
Tarawa	**36**	364	34	665	30		

Summary Statements

Rainfall for January 2017:
- Normal for Beru and Kanton.
- Below Normal for Butaritari, Kiritimati and Tarawa.

Accumulated rainfall for November 2016 to January 2017, including outlook verification:
- All stations are below normal with a consistent forecast except for Beru which is near consistent.

Outlooks for March to May 2017:
1. **SCOPIC:**
   - At Butaritari and Tarawa the most likely outcome is below-normal with normal the next most likely.
   - At Beru, Kanton and Kiritimati there is near-equal likelihood of normal or below-normal rainfall for the three months.
   - Overall forecast skill is moderate to high.

2. **POAMA**
   - Above normal in Butaritari, Kiritimati and Tabuaeran.
   - Normal in Arorae and Kanton.
   - Belo Normal in Tarawa.

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