Pacific Islands - Online Climate Outlook Forum (OCOF) No. 124

Country Name: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)	October 2017 Total	November 2017 Total	December 2017				
			Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru	14.7	-	-	61.0	182.0	110.8	-
Butaritari	97.6	141.6	162.5	172.7	307.0	251.5	26/80
Kanton	16.9	0.9	3.7	4.2	39.9	17.8	19/60
Kiritimati	5.0	3.2	6.4	4.3	45.1	13.6	32/84
Tarawa	28.1	128.6	145.4	104.7	258.9	174.0	31/68

TABLE 2: Three-monthly Rainfall
October to December 2017
[Please note that the data used in this verification should be sourced from table 3 of OCOF #120]

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	-	117.0	326.0	214.0	-	12/**67**/21 (61.1)	-
Butaritari	401.7	483.1	722.0	552.8	20/78	27/**45**/28 (37.1)	Near-consistent
Kanton	21.5	29.7	88.4	41.9	15/58	34/**52**/14 (45.3)	Near-consistent
Kiritimati	14.6	24.2	71.0	46.7	19/77	32/**49**/19 (38.9)	Near-consistent
Tarawa	302.1	250.3	554.4	329.3	30/68	18/**68**/14 (59.6)	Consistent

Period:*below normal/normal/above normal

Predictors and Period used for October to December 2017 Outlooks (refer to OCOF #120):

NINO 3.4 (2months July-August 2017)

---

[*]Forecast is underlined 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 February to April 2018

Predictors and Period used: NINO 3.4 SST anomaly (2months November-December 2017)

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Beru	82	235.0	18		45.6	79.2
Butaritari	63	937.8	37		11.7	70.8
Kanton	69	133.1	31		19.7	66.7
Kiritimati	69	326.8	31		22.0	69.7
Tarawa	68	564.2	32		21.2	73.1

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	67%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru	**52**	107.7	43	395.3	5	39.8	54.7
Butaritari	**44**	713.0	33	1109.0	23	11.9	52.3
Kanton	43	75.6	**51**	191.9	6	24.7	52.9
Kiritimati	**45**	261.6	42	407.4	13	23.0	53.0
Tarawa	**53**	339.5	27	852.4	20	23.2	58.2

TABLE 4: Seasonal Climate Outlooks using POAMA2 for February to April 2018

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	67%ile rainfall (mm)	Upper Tercile (prob)		
Kiritimati	**76**	247	12	455	12		
Tabuaeran	**61**	296	18	548	21		
Tarawa	**91**	329	5	811	4		
Kanton	**85**	65	10	191	5		
Butaritari	**70**	651	18	1129	12		
Arorae	**79**	247	16	716	5		

Summary Statements

Rainfall for December 2017:

Below normal was recorded in Butaritari and Kanton, while Kiritimati and Tarawa were normal. No report from Beru.

Accumulated rainfall for October to December 2017, including outlook verification:

Below normal rainfall in Butaritari, Kanton and Kiritimati with near-consistent verification. Normal in Tarawa with consistent verification.

Outlooks for February to April 2018:
1. **SCOPIC:**

   A near-equal likelihood of below-normal and normal rainfall in Kiritimati.

   Outlook for Butaritari – below-normal most likely with normal next most likely outcome.

   Outlooks for Beru and Tarawa favour below-normal rainfall, with normal the next most likely.

   The outlook for Kanton favours normal rainfall with below-normal next most likely.

2. **POAMA:**

   Below-normal rainfall is favoured for Kiritimati, Tabuaeran, Tarawa, Kanton, Butaritari and Arorae.

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