Pacific Islands - Online Climate Outlook Forum (OCOF) No. 118

Country Name: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)	April 2017 Total	May 2017 Total	June 2017				
			Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru	153.8	48.8	N/A	50	110	76	-
Butaritari	121.1	132.2	139.3	210	313	259	8/79
Kanton	109.3	127.2	96.5	53	105	81	38/62
Kiritimati	133.7	102.8	59.0	22	89	53	49/93
Tarawa	55.0	85.1	64.6	85	165	123	13/68

TABLE 2: Three-monthly Rainfall
April to June 2017
[Please note that the data used in this verification should be sourced from table 3 of OCOF #114]

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	N/A	162.0	353.0	236.9	-	-	-
Butaritari	392.6	721.3	1045.3	898.0	4/78	**35/35**/30 (4.3)	Consistent
Kanton	333.0	174.8	252.7	217.6	45/59	36/**37**/27 (5.7)	Near consistent
Kiritimati	295.5	211.7	381.0	284.9	49/92	**35**/34/31 (4.7)	Near consistent
Tarawa	204.7	356.7	585.5	425.8	10/68	**36/36**/28 (7.4)	Consistent

Period:*below normal/normal/above normal

Predictors and Period used for April 2017 to June 2017 Outlooks (refer to OCOF #114):

Nino 3.4 SST ANOM (2MTHS)

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*Forecast is <u>consistent</u> when observed and predicted (tercile with the highest probability) categories coincide (are in the same tercile).

Forecast is <u>near-consistent</u> 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 <u>inconsistent</u> 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 2017

Predictors and Period used: Nino 3.4 SST Anomalies (2 mths)

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Beru	6	133	94		35.0	77.4
Butaritari	11	532	89		33.6	78.1
Kanton	26	130	74		14.3	67.3
Kiritimati	38	41	62		2.6	61.2
Tarawa	15	280	85		29.1	73.1

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru	9	104	21	195	**70**	20.1	56.6
Butaritari	8	351	34	629	**58**	19.2	51.6
Kanton	13	83	19	173	**68**	23.1	61.2
Kiritimati	22	26	32	58	**46**	4.1	44.8
Tarawa	3	185	28	438	**69**	32.8	64.2

TABLE 4: Seasonal Climate Outlooks using POAMA2 for August to October 2017

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Arorae	5	142	**74**	495	21		
Butaritari	**73**	415	22	681	5		
Kanton	5	52	5	165	**90**		
Kiritimati	5	30	25	89	**70**		
Tabuaeran	5	68	**90**	199	5		
Tarawa	12	261	**83**	651	5		

Summary Statements

Rainfall for June 2017:
Recorded rainfall for Butaritari and Tarawa both were below normal while Kanton and Kiritimati record normal rainfall.
Butaritari ranks 8th driest of 79 and Tarawa 13th out of 68.

Accumulated rainfall for April to June 2017, including outlook verification:
Butaritari and Tarawa rainfall recorded below normal, Kiritimati normal and Kanton above normal.
The Butaritari and Tarawa outlooks were consistent while those for Kanton and Kiritimati were both near-consistent.
Butaritari's April-June total ranks 4th driest out of 78, while Tarawa's was 10th of 68.

Outlooks for August to October 2017:
1. **SCOPIC:**
   The most likely outcome for all stations is above normal. Forecast skill is low in Kiritimati but high in Beru, Butaritari, Kanton and very high in Tarawa.

2. **POAMA:**
   Below normal rainfall is favoured at Butaritari, normal rainfall is favoured at Arorae, Tabuaeran and Tarawa, and above normal rainfall is favoured at Kanton and Kiritimati in the Line and Phoenix groups.

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