

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 126

Country Name: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)			February 2018				
	December 2017 Total	January 2018 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru	-	-	-	10.0	145.0	44.0	-
Butaritari	162.5	225.5	44.5	186.0	296.0	256.0	6/80
Kanton	3.7	7.3	5.2	5.0	39.0	8.1	24/62
Kiritimati	6.4	2.3	-	31.2	92.0	51.4	-
Tarawa	145.4	37.4	26.4	77.0	272.2	182.0	8/69

**TABLE 2: Three-monthly Rainfall
December 2017 to February 2018**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #122]

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	-	163.0	660.0	349.0	-	37/48/15(40.6)	-
Butaritari	432.5	622.0	1037.3	823.0	17/78	37/35/28(15.1)	Consistent
Kanton	16.2	31.1	203.7	58.3	14/55	41/50/9(41.0)	Near-consistent
Kiritimati	-	62.6	154.0	110.7	-	45/47/8(38.4)	-
Tarawa	209.2	386.9	859.5	680.7	13/68	38/44/18(46.6)	Near-consistent

Period: *below normal/normal/above normal

Predictors and Period used for December 2017 to February 2018 Outlooks (refer to OCOF #122): NINO 3.4 anomaly for September to October

* 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 2018**

Predictors and Period used: NINO 3.4 Anomalies from January-February 2018 2mths.

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Beru	63	236.9	37		7.3	62.3
Butaritari	59	895.0	41		4.2	63.6
Kanton	59	217.8	41		3.9	58.8
Kiritimati	61	285.0	39		7.7	58.2
Tarawa	62	423.8	38		7.9	61.8

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	67%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru	40	162.0	35	353.0	25	5.3	47.2
Butaritari	40	710.7	36	1044.7	24	4.6	43.9
Kanton	38	176.1	42	253.2	20	6.0	41.2
Kiritimati	41	212.1	34	379.7	25	4.9	46.3
Tarawa	43	333.1	36	577.7	21	8.2	47.1

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

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	67%ile rainfall (mm)	Upper Tercile (prob)		
Arorae	70	274	25	539	5		
Butaritari	48	749	28	1050	24		
Kanton	79	151	16	307	5		
Kiritimati	82	244	9	399	9		
Tabuaeran	58	391	12	814	30		
Tarawa	67	364	24	681	9		

Summary Statements

Rainfall for February 2018:

Butaritari and Tarawa recorded below normal rainfall while Kanton was normal. Butaritari and Tarawa ranks the 6th and 8th driest month of February respectively.

Accumulated rainfall for December 2017 to February 2018, including outlook verification:

Butaritari, Kanton and Tarawa record below normal rainfall. Verification for Butaritari is consistent but near-consistent in Kanton and Tarawa.

Outlooks for April to June 2018:

1. SCOPIC:

The outlook for April to June 2018 for Beru, Butaritari, Kiritimati and Tarawa show below normal rainfall as the most likely outcome, with normal the next most likely. Above normal is the least likely.

Kanton's outlook shows normal rainfall as the most likely outcome, with below normal next most likely. Above normal is the least likely.

Skills in the outlook were low in Butaritari and Kiritimati and moderate in Beru, Kanton and Tarawa.

2. POAMA:

The outlook favours below normal rainfall in all stations (Arorae, Butaritari, Kanton, Kiritimati, Tabuaeran and Tarawa).

NB: The X LEPS % score has been categorised as follows:

Very Low: $X < 0.0$

Low: $0 \leq X < 5$

Moderate $5 \leq X < 10$

Good: $10 \leq X < 15$

High: $15 \leq X < 25$

Very High: $25 \leq X < 35$

Exceptional: $X \geq 35$