Pacific Islands - Online Climate Outlook Forum (OCOF) No. 120

Country Name: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)			August 2017				
	June 2017 Total	July 2017 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Beru	36.5	155.9	90.1	43.7	88.0	65.0	43/63
Butaritari	139.3	196.5	285.9	142.4	252.6	201.5	56/78
Tarawa	64.6	228.8	189.9	64.5	171.6	105.3	50/68
Kanton	96.5	108.1	89.9	35.6	90.4	61.4	37/58
Kiritimati	59.0	45.0	0.3	7.4	23.4	13.2	6/93

TABLE 2: Three-monthly Rainfall
June to August 2017

[Please note that the data used in this verification should be sourced from table 3 of OCOF #116]

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	282.5	154.0	314.0	209.5	38/59	23/30/**47**(8.1)	Near Consistent
Butaritari	621.7	626.9	857.0	754.0	25/74	29/29/**42**(1.2)	Inconsistent
Tarawa	483.3	259.8	537.5	360.9	43/68	28/30/**42**(3.5)	Near Consistent
Kanton	294.5	179.6	288.3	244.9	40/56	28/35/**37**(-0.5)	Consistent
Kiritimati	104.3	75.5	169.5	124.0	41/93	**39**/25/36(-0.7)	Near Consistent

Period:*below normal/normal/above normal

Predictors and Period used for June to August 2017 Outlooks (refer to OCOF #116):
Nino 3.4 (2 Months – March – April 2017)

*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 October to December 2017

Predictors and Period used: Nino 3.4 (2mths) – July to August

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Beru	40	214	**60**		62.7	90
Butaritari	**50**	552.8	**50**		39.1	82.3
Tarawa	**54**	329.3	46		50.3	83.6
Kanton	**53**	41.9	47		33.8	74.5
Kiritimati	**57**	46.7	43		37.8	73.8

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	67%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Beru	12	117	**67**	326	21	61.1	72
Butaritari	27	483.1	**45**	722	28	37.1	69.4
Tarawa	18	250.3	**68**	554.4	14	59.6	70.1
Kanton	34	29.7	**52**	88.4	14	45.3	61.7
Kiritimati	32	24.2	**49**	71	19	38.9	64.6

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

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	67%ile rainfall (mm)	Upper Tercile (prob)		
Arorae	30	152	34	580	36		
Butaritari	33	484	34	783	33		
Kanton	33	24	37	93	30		
Kiritimati	5	26	**65**	96	30		
Tabuaeran	9	61	39	299	**52**		
Tarawa	24	277	**55**	682	21		

Summary Statements

Rainfall for August 2017:

Western Kiribati recorded above normal rainfall, Phoenix Islands normal and Line Islands recorded below normal rainfall.

Kiritimati has the 6th Driest in 93 years on recorded.

Accumulated rainfall for June to August 2017, including outlook verification:

Kanton was above normal, normal in Tarawa, Beru and Kiritimati islands. Below normal in Butaritari.

Verification outlook consistent for Kanton, Near-Consistent Tarawa,Beru and Kiritimati. Inconsistent in Butaritari.

Outlooks for October to December 2017:

1. **SCOPIC:**

   The outlook for Kiribati favours normal rainfall for Tarawa, Kanton and Beru, with above normal the next most likely. In Butaritari and Kiritimati for 0ct-Dec 2017, shows normal rainfall as the most likely outcome, with above normal the next most likely. Below normal is the least likely.

   Kiribati favours normal rainfall. Above normal rainfall is next most likely for northern islands in western Kiribati. Below normal rainfall is next most likely for Line Islands.

2. **POAMA:**

   Normal rainfall favoured for Kiritimati and Tarawa, while above normal is favoured at Tabuaeran. The chances of normal, below normal and above normal rainfall are similar at Arorae, Butaritari and Kanton.

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