Pacific Islands - Online Climate Outlook Forum (OCOF) No. 133

Country: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)	Jul-2018	Aug-2018	Sep-2018				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Beru (1932-2018)	34.2	104.0	19.4	25.7	64.0	46.0	13/64
Butaritari (1931-2018)	235.8	173.5	327.0	111.7	177.3	136.0	**74/79**
Kanton (1937-2018)	59.3			21.2	51.5	40.2	
Kiritimati (1921-2018)	16.7	20.1	4.5	3.8	15.1	7.5	36/93
Tarawa (1950-2018)	83.9	142.2	168.5	55.0	142.8	83.8	49/69

TABLE 2: Three-month Rainfall for July to September 2018

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 April-May 2018				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Beru (1932-2018)	157.6	Normal	130.7	261.6	176.5	29/62	34	40	26	20	Consistent
Butaritari (1931-2018)	736.3	Above normal	500.0	734.0	561.0	51/76	34	36	30	9	Near-consistent
Kanton (1937-2018)			153.5	227.3	180.8		35	35	30	6	
Kiritimati (1921-2018)	41.3	Below normal	42.4	101.7	71.8	30/93	34	34	32	0	Near-consistent
Tarawa (1950-2018)	394.6	Normal	195.8	543.6	336.2	37/69	37	39	24	19	Consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for November 2018 to January 2019
Predictor and Period used: NINO3.4 for August to September 2018

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Beru (1932-2018)	17	284.0	83		54	88
Butaritari (1931-2018)	34	748.5	66		31	80
Kanton (1937-2018)	32	57.2	68		39	81
Kiritimati (1921-2018)	32	54.2	68		43	80
Tarawa (1950-2018)	28	497.9	72		44	82

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Beru (1932-2018)	5	177.3	43	582.0	52	51	61
Butaritari (1931-2018)	15	579.0	40	895.0	45	33	65
Kanton (1937-2018)	23	25.7	34	142.5	43	31	51
Kiritimati (1921-2018)	18	32.0	39	103.3	43	42	67
Tarawa (1950-2018)	12	316.6	43	740.4	45	40	59

TABLE 4: Seasonal Climate Outlooks using POAMA2 for November 2018 to January 2019

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Tarawa	33	351.0	5	759.0	62
Tabuaeran	39	34.0	9	362.0	52
Kiritimati	49	25.0	27	169.0	24
Kanton	45	10.0	7	219.0	48
Butaritari	21	524.0	5	953.0	74
Arorae	39	156.0	6	689.0	55

Summary Statements

Rainfall for September 2018:

Beru recorded below normal rainfall, Kiritimati is normal while Butaritari and Tarawa were above normal.

Accumulated rainfall for July to September 2018, including outlook verification:

Kiritimati recorded below normal, Beru and Tarawa were normal while Butaritari is above normal. Forecast is consistent in Beru and Tarawa while near-consistent in Butaritari and Kiritimati.

Outlooks for November 2018 to January 2019:

1. **SCOPIC:**
   Beru favours above normal rainfall with normal the next most likely. Butaritari, Kanton and Kiritimati were most likely to get above normal rainfall, with normal next most likely. For Tarawa, there is a near-equal likelihood of above normal and normal. Below normal is the least likely

   Skills of the outlooks at each station are very high for Kanton and Butaritari while the rest of the stations were exceptional.

2. **POAMA:**
   Kiritimati shows below normal rainfall as the most likely outcome, with normal the next most likely. The rest of the stations favour above normal rainfall.

Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders

Country	Date: September 2018	Stakeholder	Total Number of Participants	Number of male	Number of female

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