

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 132

Country: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)	Jun-2018	Jul-2018	Aug-2018				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Beru (1932-2018)		34.2	104.0	44.0	90.1	65.0	48/64
Butaritari (1931-2018)	247.4	235.8	173.5	143.0	252.4	201.0	30/79
Kanton (1937-2018)	21.3	59.3		35.6	90.4	61.4	
Kiritimati (1921-2018)	47.4	16.7	20.1	7.4	23.0	13.7	58/94
Tarawa (1950-2018)	107.2	83.9	142.2	65.1	169.1	106.2	41/69

TABLE 2: Three-month Rainfall for June to August 2018

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 March-April 2018				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Beru (1932-2018)			156.7	314.3	213.0		42	38	20	9	
Butaritari (1931-2018)	656.7	Normal	623.4	856.7	747.0	32/75	38	34	28	1	Near- consistent
Kanton (1937-2018)			177.1	290.3	246.8		39	30	31	0	
Kiritimati (1921-2018)	84.2	Normal	77.1	167.8	124.0	35/94	30	39	31	-1	Consistent
Tarawa (1950-2018)	333.3	Normal	264.6	525.7	368.8	31/69	39	37	24	4	Near- consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for October to December 2018
Predictor and Period used: NINO3.4 for July to August 2018

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Beru (1932-2018)	12	214.0	88		61	86
Butaritari (1931-2018)	31	548.0	69		36	79
Kanton (1937-2018)	36	40.9	64		31	71
Kiritimati (1921-2018)	35	46.4	65		36	74
Tarawa (1950-2018)	25	328.6	75		51	84

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)	2	117.0	43	326.0	55	59	68
Butaritari (1931-2018)	14	474.0	39	721.0	47	33	64
Kanton (1937-2018)	21	28.7	37	86.7	42	39	63
Kiritimati (1921-2018)	16	24.0	41	70.0	43	38	59
Tarawa (1950-2018)	4	251.9	52	532.7	44	59	63

TABLE 4: Seasonal Climate Outlooks using POAMA2 for October to December 2018

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Tarawa	37	277.0	27	682.0	36
Tabuaeran	40	61.0	30	299.0	30
Kiritimati	33	26.0	42	96.0	25
Kanton	28	24.0	24	93.0	48
Butaritari	39	484.0	12	783.0	49
Arorae	39	152.0	12	580.0	49

Summary Statements

Rainfall for August 2018:

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

Accumulated rainfall for June to August 2018, including outlook verification:

June to August rainfall totals were normal, with consistent prediction for Kiritimati and Near-consistent for Butaritari and Tarawa.

Outlooks for October to December 2018:

1. SCOPIC:

The October to December Outlook favours above normal in Beru and normal for Tarawa. The outlook for Butaritari and Kanton shows above normal the most likely outcome, with normal the next most likely. At Kiritimati the outlook shows near-equal likelihood of above-normal and normal rainfall. Below normal is the least likely.

Outlook skill at the stations is high in Butaritari and exceptional in the remaining stations (Beru, Kanton, Kiritimati and Tarawa).

2. POAMA:

POAMA outlook for Kanton, Butaritari and Arorae shows above normal as the most likely, with below normal the next most likely. For Kiritimati POAMA indicates normal as the most likely while at Tabuaerun below normal is the most likely outcome. POAMA's outlook for Tarawa is mixed with a near equal chance of above normal and below normal rainfall for October-December.

Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders

Country	Date	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: $0 \leq X < 5$

Moderate $5 \leq X < 10$

Good: $10 \leq X < 15$

High: $15 \leq X < 25$

Very High: $25 \leq X < 35$ Exceptional: $X \geq 35$