

faPacific Islands - Online Climate Outlook Forum (OCOF) No. 136

Country: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)	Oct-2018	Nov-2018	Dec-2018				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Beru (1932-2018)	18.9	62.1	201.5	61.0	195.0	111.5	42/62
Butaritari (1931-2018)	95.3	158.2	605.2	174.7	319.6	255.0	77/80
Kanton (1937-2018)	31.5	31.7	6.4	4.2	32.8	13.1	26/60
Kiritimati (1921-2018)	0.3	5.1	40.3	4.3	45.1	14.5	55/84
Tarawa (1950-2018)	24.4	65.3	384.1	108.1	263.5	181.3	58/69

TABLE 2: Three-month Rainfall for October to December 2018

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIE forecast probabilities* based on NINO3.4 July-August 2018				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Beru (1932-2018)	282.5	Normal	117.0	326.0	214.0	38/60	2	43	55	59	Near-consistent
Butaritari (1931-2018)	858.7	Above normal	474.0	721.0	548.0	56/76	14	39	47	33	Consistent
Kanton (1937-2018)	69.6	Normal	28.7	86.7	40.9	35/57	21	37	42	39	Near-consistent
Kiritimati (1921-2018)	45.7	Normal	24.0	70.0	46.4	38/77	16	41	43	38	Near-consistent
Tarawa (1950-2018)	473.8	Normal	251.9	532.7	328.6	42/69	4	52	44	59	Consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for February to April 2019

Predictor and Period used: NINO3.4 for October to November 2018

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Beru (1932-2018)	10	213.0	90		42	79
Butaritari (1931-2018)	32	932.7	68		12	73
Kanton (1937-2018)	27	136.6	74		17	65
Kiritimati (1921-2018)	21	326.8	79		23	71
Tarawa (1950-2018)	25	558.8	75		22	75

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)	4	106.0	19	396.0	78	39	56
Butaritari (1931-2018)	18	671.0	33	1106.0	49	10	53
Kanton (1937-2018)	19	76.2	6	185.9	75	22	62
Kiritimati (1921-2018)	14	258.5	20	397.1	66	22	53
Tarawa (1950-2018)	7	323.1	43	841.2	50	22	53

TABLE 4: Seasonal Climate Outlooks using POAMA2 for February to April 2019

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Tarawa	5	329.0	7	811.0	88
Tabuaeran	6	296.0	12	548.0	82
Kiritimati	9	247.0	6	455.0	85
Kanton	6	65.0	18	191.0	76
Butaritari	12	651.0	15	1129.0	73
Arorae	9	247.0	27	716.0	64

Summary Statements**Rainfall for December 2018:**

Kanton and Kiritimati recorded normal rainfall.

Beru, Butaritari and Tarawa recorded above normal rainfall.

Butaritari recorded its fourth-wettest December in 80 years of record.

Accumulated rainfall for October to December 2018, including outlook verification:

Butaritari was above normal with consistent verification. Remaining stations were normal with near-consistent verification, apart from a consistent verification at Tarawa.

Outlooks for February to April 2019:**1. SCOPIC:**

The outlook favours above normal for all stations.

Forecast skill is Good for Butaritari, High in Kanton, Kiritimati and Tarawa and Exceptional in Beru.

2. POAMA:

Above normal rainfall is favoured for all of the available stations in Kiribati.

Table: 5 Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders

Country	Date: December 2018	Stakeholder	Total Number of Participants	Number of male	Number of female
Kiribati	11-13	Fisheries, Water and Sanitation Engineering Unit, Ministry of Line and Phoenix Islands Development, Ministry of Health and Medical Services, Agriculture Division, Disaster Officers	14	5	9
Kiribati	13-14	ECD KAP III KANGO Fisheries MoE Curriculum Development and Resource Center (CDRC)	13	9	4
Kiribati	19	OB KMS MFAT DFAT EHU ALD LMD ECD PUB STWSP WSEU	17	10	7

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: $X \geq 35$