

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 131

Country: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)	May-2018	Jun-2018	Jul-2018				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Beru (1932-2018)	14.9		32.2	43.3	125.7	73.7	15/63
Butaritari (1931-2018)	99.7	247.4	235.8	196.5	307.0	246.0	36/77
Kanton (1937-2018)	41.4	21.3	59.3	48.6	81.9	66.9	25/58
Kiritimati (1921-2018)	44.3	47.4	16.7	21.0	61.4	38.0	27/94
Tarawa (1950-2018)	42.1	107.2	83.9	96.9	195.4	134.6	23/69

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

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIIC forecast probabilities* based on NINO3.4 Feb-Mar 2018				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Beru (1932-2018)			175.0	286.6	233.0		38	43	19	5	
Butaritari (1931-2018)	582.9	Below normal	706.0	894.3	814.2	14/75	39	35	26	1	Consistent
Kanton (1937-2018)	122.0	Below normal	178.3	276.9	211.9	8/55	37	38	25	1	Near-consistent
Kiritimati (1921-2018)	108.4	Below normal	120.8	247.6	178.2	28/94	34	41	25	2	Near-consistent
Tarawa (1950-2018)	233.2	Below normal	333.6	510.5	403.0	15/69	42	34	24	4	Consistent

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

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Beru (1932-2018)	19	144.0	81		49	81
Butaritari (1931-2018)	30	482.0	70		36	78
Kanton (1937-2018)	39	65.0	61		15	58
Kiritimati (1921-2018)	36	40.0	64		20	69
Tarawa (1950-2018)	19	275.6	81		56	85

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)	6	87.0	39	211.0	55	47	64
Butaritari (1931-2018)	12	389.3	41	592.5	47	33	56
Kanton (1937-2018)	24	42.8	32	99.7	44	26	56
Kiritimati (1921-2018)	21	19.6	33	55.0	46	22	52
Tarawa (1950-2018)	5	165.9	47	396.5	48	53	66

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

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Tarawa	18	242.0	70	558.0	12
Tabuaeran	18	54.0	49	207.0	33
Kiritimati	9	32.0	24	84.0	67
Kanton	6	36.0	55	114.0	39
Butaritari	55	439.0	21	630.0	24
Arorae	45	117.0	28	378.0	27

Summary Statements

Rainfall for July 2018:

Below normal rainfall was recorded in Beru, Kiritimati and Tarawa, while Butaritari and Kanton recorded normal rainfall.

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

Below normal rainfall was recorded in all stations with the outlook being consistent in Beru and Tarawa and Near-consistent in Kanton and Kiritimati.

Outlooks for September to November 2018:

1. SCOPIC:

At Tarawa there are roughly equal chances for above-normal and normal rainfall, while at remaining locations above-normal is the most likely outcome.

Skill in the outlook is high in Kiritimati, very high in Kanton and Butaritari and exceptional in Beru and Tarawa.

2. POAMA:

Outlook favours below-normal rainfall for Butaritari and Arorae, normal rainfall in Tarawa, Tabuaeran and Kanton, and above-normal for Kiritimati.

Stakeholder Engagement- Evaluations of how effective we 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: $X \geq 35$