

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 137

Country: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)	Nov-2018	Dec-2018	Jan-2019				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Beru (1932-2019)	62.1	201.5	398.1	59.4	265.9	103.0	55/64
Butaritari (1931-2019)	158.2	605.2	421.1	205.0	358.7	280.0	63/80
Kanton (1937-2019)	31.7	6.4		5.3	65.7	13.2	
Kiritimati (1921-2019)	5.1	40.3	78.5	15.9	66.9	23.7	67/93
Tarawa (1950-2019)	65.3	384.1	335.3	136.7	326.5	228.7	49/70

TABLE 2: Three-month Rainfall for November 2018 to January 2019

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 August-September 2018				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Beru (1932-2019)	661.7	Above normal	177.3	582.0	284.0	44/61	5	43	52	51	Consistent
Butaritari (1931-2019)	1184.5	Above normal	579.0	895.0	748.5	65/77	15	40	45	33	Consistent
Kanton (1937-2019)			25.7	142.5	57.2		23	34	43	31	
Kiritimati (1921-2019)	123.9	Above normal	32.0	103.3	54.2	55/77	18	39	43	42	Consistent
Tarawa (1950-2019)	784.7	Above normal	316.6	740.4	497.9	47/69	12	43	45	40	Consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for March to May 2019**Predictor and Period used: NINO3.4 for December 2018 to January 2019**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Beru (1932-2019)	22	279.5	78		30	74
Butaritari (1931-2019)	38	933.0	62		7	70
Kanton (1937-2019)	29	181.9	71		16	69
Kiritimati (1921-2019)	31	367.0	69		14	60
Tarawa (1950-2019)	33	489.2	67		14	68

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 (1932-2019)	18	166.1	24	381.4	58	23	53
Butaritari (1931-2019)	23	693.0	33	1062.0	44	8	53
Kanton (1937-2019)	22	140.1	24	231.5	54	14	47
Kiritimati (1921-2019)	19	300.3	33	464.3	48	13	43
Tarawa (1950-2019)	16	329.8	38	646.0	46	13	54

TABLE 4: Seasonal Climate Outlooks using POAMA2 for March to May 2019

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Tarawa	12	364.0	18	665.0	70
Tabuaeran	9	467.0	9	753.0	82
Kiritimati	6	303.0	5	537.0	89
Kanton	15	95.0	24	200.0	61
Butaritari	15	734.0	18	1195.0	67
Arorae	12	243.0	43	681.0	45

Summary Statements

Rainfall for January 2019:

Above normal rainfall was recorded at all stations except for Kanton which has not reported yet.

Accumulated rainfall for November 2018 to January 2019, including outlook verification:

All were above normal and consistent throughout the stations.

Outlooks for March to May 2019:

1. SCOPIC:

Above normal rainfall is the favoured or most likely at all stations. Skill is Moderate at Butaritari, Good at Kiritimati, Kanton, Tarawa and high at Beru.

2. POAMA:

Above normal rainfall is favoured at all stations, except at Arorae where there is a near-equal likelihood of above normal and normal rainfall. Below normal is the least likely at most locations.

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: $X \geq 35$

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

Country	Date: January 2019	Stakeholder	Total Number of Participants	Number of male	Number of female
Kiribati	28	Internal Stakeholder including the President.	16	10	6