

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 138

Country: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)	Dec-2018	Jan-2019	Feb-2019				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Beru (1932-2019)	201.5	398.1	332.7	10.0	149.0	44.0	58/64
Butaritari (1931-2019)	605.2	421.1		189.3	307.2	257.5	
Kanton (1937-2019)	6.4	105.2	342.4	5.0	44.5	8.1	59/63
Kiritimati (1921-2019)	55.0	78.5	30.6	15.6	61.6	35.9	33/95
Tarawa (1950-2019)	384.1	335.3	200.4	68.7	271.3	179.9	38/70

TABLE 2: Three-month Rainfall for December 2018 to February 2019

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 September-October 2018				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Beru (1932-2019)	932.3	Above normal	163.0	660.0	349.0	51/61	3	31	66	41	Consistent
Butaritari (1931-2019)			617.7	1025.7	819.5		15	37	48	15	
Kanton (1937-2019)	454.0	Above normal	29.4	203.3	58.2	43/54	4	17	79	44	Consistent
Kiritimati (1921-2019)	164.1	Above normal	55.1	153.8	106.4	57/84	11	17	72	39	Consistent
Tarawa (1950-2019)	919.8	Above normal	385.2	852.7	659.4	48/69	3	35	62	45	Consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for April to June 2019**Predictor and Period used: NINO3.4 for January to February 2019**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Beru (1932-2019)	37	239.1	63		8	66
Butaritari (1931-2019)	38	838.9	62		8	69
Kanton (1937-2019)	39	220.1	61		5	60
Kiritimati (1921-2019)	38	312.0	62		7	59
Tarawa (1950-2019)	37	421.9	63		9	62

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)	22	194.0	36	355.7	42	6	49
Butaritari (1931-2019)	25	696.0	32	1010.0	43	5	46
Kanton (1937-2019)	24	180.7	28	284.4	48	10	48
Kiritimati (1921-2019)	24	215.2	36	413.0	40	3	30
Tarawa (1950-2019)	23	318.2	31	569.8	46	9	48

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

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Tarawa	9	364.0	24	681.0	67
Tabuaeran	9	391.0	12	814.0	79
Kiritimati	9	244.0	5	399.0	86
Kanton	5	151.0	34	307.0	61
Butaritari	5	749.0	22	1050.0	73
Arorae	5	274.0	34	539.0	61

Summary Statements

Rainfall for February 2019:

Beru and Kanton recorded above normal rainfall while Kiritimati and Tarawa recorded normal. Beru recorded its seventh-wettest February on record and Kanton recorded its fifth wettest. There was no report from Butaritari.

Accumulated rainfall for December 2018 to February 2019, including outlook verification:

All stations recorded above normal rainfall with consistent verification throughout the stations. Butaritari data is missing during the time of reporting.

Outlooks for April to June 2019:

1. SCOPIC:

The outlook for the season for all stations shows above normal as the most likely outcome, with normal the next most likely. Below normal is the least likely..

Forecast skill is Low in Kiritimati, Moderate in Beru, Butaritari and Tarawa and Good at Kanton.

2. POAMA:

The outlook favours above normal rainfall for all stations (Tarawa, Tabuaeran, Kiritimati, Kanton, Butaritari and Arorae).

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: February 2019	Stakeholder	Total Number of Participants	Number of male	Number of female
Kiribati	Climate Bulletin	Drought Committee	10	6	4
	EAR Watch				
	Monthly Climate Briefing				
	Ocean Bulletin				