

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 141

Country: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)	Mar-2019	Apr-2019	May-2019				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Beru (1932-2019)	468.7	576.2	235.1	44.9	99.0	69.2	59/66
Butaritari (1931-2019)	1019.5	885.9	399.5	215.0	323.5	286.0	62/80
Kanton (1937-2019)				47.0	91.6	60.3	
Kiritimati (1921-2019)	225.0	190.3	116.1	30.9	107.3	62.9	72/95
Tarawa (1950-2019)	811.6	830.5	297.5	93.7	170.6	141.2	63/70

TABLE 2: Three-month Rainfall for March to May 2019

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 December 18-January 19				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Beru (1932-2019)	1280.0	Above normal	166.1	381.4	279.5	62/63	18	24	58	23	Consistent
Butaritari (1931-2019)	2304.9	Above normal	693.0	1062.0	933.0	80/80	23	33	44	8	Consistent
Kanton (1937-2019)			140.1	231.5	181.9		22	24	54	14	
Kiritimati (1921-2019)	531.4	Above normal	300.3	464.3	367.0	77/95	19	33	48	13	Consistent
Tarawa (1950-2019)	1939.6	Above normal	329.8	646.0	489.2	70/70	16	38	46	13	Consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for July to September 2019

Predictor and Period used: NINO3.4 for April to May 2019

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Beru (1932-2019)	20	183.0	80		15	64
Butaritari (1931-2019)	29	634.0	71		8	66
Kanton (1937-2019)	37	181.9	63		2	65
Kiritimati (1921-2019)	48	86.0	52		-2	33
Tarawa (1950-2019)	16	337.4	85		23	73

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)	8	132.7	18	315.2	74	21	51
Butaritari (1931-2019)	14	509.0	33	736.3	53	6	47
Kanton (1937-2019)	18	158.6	40	240.1	42	3	46
Kiritimati (1921-2019)	29	52.2	21	117.8	50	2	48
Tarawa (1950-2019)	9	198.5	21	542.6	70	18	49

TABLE 4: Seasonal Climate Outlooks using POAMA2 for July to September 2019

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Tarawa	58	270.0	37	636.0	5
Tabuaeran	88	83.0	7	317.0	5
Kiritimati	5	75.0	80	131.0	15
Kanton	24	111.0	58	226.0	18
Butaritari	76	464.0	19	730.0	5
Arorae	33	191.0	55	574.0	12

Summary Statements

Rainfall for May 2019:

All stations recorded above normal rainfall.

Tarawa recorded its eighth-wettest May on record.

Accumulated rainfall for March to May 2019, including outlook verification:

All stations recorded above normal rainfall in March to May, with consistent outlook verification.

Butaritari and Tarawa had their wettest March-May on record, while at Beru it was the second-wettest.

Outlooks for July to September 2019:

1. SCOPIC:

The outlook favours above normal rainfall for all stations except at Kanton which has near-equal chances of above normal and normal rainfall.

Forecast skill is low at Kanton and Kiritimati, Moderate at Kanton and High at both Tarawa and Beru.

2. POAMA:

The outlook favours below normal rainfall for Tarawa, Tabuaeran and Butaritari. The outlook favours normal rainfall for Kiritimati, Kanton 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

Product	Date: May 2019	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin	7 th	Government Sectors, Non-Government Organisations, Fisheries (coastal and offshore) Sector, General Public and internal staffs.	+104	+40	+60
Ocean Bulletin	7 th	Government Sectors, Non-Government Organisations, Fisheries (coastal and offshore) Sector, General Public and internal staffs.	+104	+40	+60
Media Release	7 th	Media Collègues- Government and Non-Government entities. And Internal staffs.	42	27	15
Total			250	107	135