Pacific Islands - Online Climate Outlook Forum (OCOF) No. 148

Country: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)	Oct-2019	Nov-2019	Dec-2019				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Beru (1932-2019)	29.0	21.6	297.1	66.1	207.2	126.0	51/63
Butaritari (1931-2019)	140.4	224.1	387.9	172.0	307.0	255.0	66/81
Kanton (1937-2019)				4.6	85.3	22.9	
Kiritimati (1921-2019)	25.3	19.2	7.8	4.0	27.3	9.8	35/85
Tarawa (1950-2019)	65.0	95.9	297.5	108.1	263.5	181.3	50/70

TABLE 2: Three-month Rainfall for October to December 2019

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 July-August 2019				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Beru (1932-2019)	347.7	Above normal	131.0	330.0	232.0	42/61	1	35	64	60	Consistent
Butaritari (1931-2019)	752.4	Normal	458.0	789.0	556.0	53/77	10	36	54	39	Near-consistent
Kanton (1937-2019)	-	-	32.5	114.6	55.1	-	13	42	45	45	-
Kiritimati (1921-2019)	52.3	Normal	20.0	74.5	38.0	43/78	10	37	53	40	Near-consistent
Tarawa (1950-2019)	458.4	Normal	253.5	511.1	329.3	42/70	2	44	54	59	Near-consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for February to April 2020
Predictor and Period used: NINO3.4 for November to December 2019

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Beru (1932-2019)	19	274.0	81		49	79
Butaritari (1931-2019)	38	937.8	63		13	72
Kanton (1937-2019)	32	143.2	68		20	65
Kiritimati (1921-2019)	30	349.3	70		26	71
Tarawa (1950-2019)	33	564.2	67		23	74

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)	10	111.7	37	439.7	53	43	59
Butaritari (1931-2019)	22	669.7	35	1125.0	43	12	54
Kanton (1937-2019)	27	86.1	19	207.9	54	24	50
Kiritimati (1921-2019)	21	272.5	32	445.9	47	21	52
Tarawa (1950-2019)	12	337.0	43	863.7	45	25	58

TABLE 4: Seasonal Climate Outlooks using POAMA2 for February to April 2020

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Tarawa	6	329.0	12	811.0	82
Tabuaeran	18	296.0	18	548.0	64
Kiritimati	27	247.0	9	455.0	64
Kanton	18	65.0	12	191.0	70
Butaritari	6	651.0	9	1129.0	85
Arorae	6	247.0	33	716.0	61

Summary Statements

Rainfall for December 2019:

Beru, Butaritari and Tarawa recorded above normal rainfall, while Kiritimati recorded normal rainfall.

Accumulated rainfall for October to December 2019, including outlook verification:

Butaritari, Kiritimati and Tarawa recorded normal rainfall for the last three months with near-consistent verification.

Beru recorded above normal rainfall with consistent verification.

Outlooks for February to April 2020:

1. **SCOPIC:**
   At Beru, Butaritari, Kanton and Kiritimati, above normal rainfall is the most likely or favoured outcome.

   At Tarawa the forecast shows similar chances of normal and above normal rainfall; below normal is the least likely.

   Forecast skills for the above predictions are high for Kanton and Kiritimati, good for Butaritari, very high for Tarawa and exceptional for Beru.

2. **POAMA:**
   Above normal rainfall is favoured for all stations.

NB: The X LEPS % score has been categorised as follows:

Very Low: X < 0.0   Low: 0 ≤ X < 5   Moderate 5 ≤ X < 10   Good: 10 ≤ X < 15   High: 15≤ X < 25

Very High: 25 ≤X < 35 Exceptional: X ≥ 35

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

Product	Date: November 2019	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin					
EAR Watch					
Monthly Climate Briefing					
Ocean Bulletin					
		Total			