Pacific Islands - Online Climate Outlook Forum (OCOF) No. 139

Country: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)	Jan-2019	Feb-2019	Mar-2019				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Beru (1932-2019)	398.1	332.7	468.7	26.0	150.0	66.0	**62/65**
Butaritari (1931-2019)	421.1	390.3	1019.5	186.5	402.0	272.8	**81/81**
Kanton (1937-2019)	105.2	342.4		20.2	65.7	40.0	
Kiritimati (1921-2019)	78.5	30.6	225.0	73.9	147.2	96.0	81/95
Tarawa (1950-2019)	335.3	200.4	811.6	113.4	270.9	171.0	**70/70**

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

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 October-November 2018				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Beru (1932-2019)	1199.5	Above normal	143.1	493.0	292.3	**61/63**	4	30	**66**	35	Consistent
Butaritari (1931-2019)	1830.9	Above normal	673.3	1111.3	870.8	**80/80**	17	30	**53**	12	Consistent
Kanton (1937-2019)			38.9	167.4	85.0		7	11	**82**	33	
Kiritimati (1921-2019)	334.1	Above normal	30.0	295.4	218.2	66/93	11	15	**74**	30	Consistent
Tarawa (1950-2019)	1347.3	Above normal	29.0	934.8	647.9	**68/70**	8	30	**62**	29	Consistent

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

Predictor and Period used: NINO3.4 for February to March 2019

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Beru (1932-2019)	36	239.0	64		4	59
Butaritari (1931-2019)	42	806.5	58		0	58
Kanton (1937-2019)	35	221.9	65		6	59
Kiritimati (1921-2019)	38	183.0	62		2	54
Tarawa (1950-2019)	36	402.3	64		4	57

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)	25	178.3	20	290.3	55	7	39
Butaritari (1931-2019)	24	678.0	36	879.0	40	1	45
Kanton (1937-2019)	33	189.5	25	276.9	42	0	35
Kiritimati (1921-2019)	30	126.5	25	257.5	45	2	38
Tarawa (1950-2019)	20	330.7	34	510.2	46	5	44

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

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Tarawa	5	370.0	25	554.0	70
Tabuaeran	6	315.0	18	622.0	76
Kiritimati	5	126.0	5	226.0	90
Kanton	6	165.0	9	270.0	85
Butaritari	21	707.0	27	880.0	52
Arorae	6	289.0	24	476.0	70

Summary Statements

Rainfall for March 2019:

Above normal rainfall was recorded at all stations. March totals in Butaritari and Tarawa were the highest on record, while at Beru it was the fourth-highest out of the 65 years record.

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

All stations were above normal with consistent verification.

For the period January to March, Butaritari had its highest total on record, while Beru and Tarawa both recorded their third-highest totals for the period.

Outlooks for May to July 2019:

1. **SCOPIC:**
   The outlook favours above normal rainfall for Beru.

   The outlook for Butaritari and Tarawa shows above normal as the most likely outcome with normal next most likely.

   The outlook for Kanton and Kiritimati shows above normal as the most likely outcome with below normal as the next most likely. Normal is the least likely.

2. **POAMA:**
   The outlook favours above normal rainfall at 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: March 2019	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin	14th	Government and Non-Government Entities	123		
EAR Watch					
Monthly Climate Briefing					
Ocean Bulletin	14th	Government and Non-Government Entities	123		
		Total	123		