Pacific Islands - Online Climate Outlook Forum (OCOF) No. 140

Country: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)	Feb-2019	Mar-2019	Apr-2019				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Beru (1932-2019)	332.7	468.7		44.7	121.3	77.5	
Butaritari (1931-2019)	390.3	1019.5	885.9	237.3	371.0	304.0	**81/81**
Kanton (1937-2019)	342.4			46.3	105.2	75.0	
Kiritimati (1921-2019)	30.6	225.0	190.3	102.5	214.2	144.0	66/95
Tarawa (1950-2019)	200.4	811.6	830.5	104.9	217.6	149.0	**70/70**

TABLE 2: Three-month Rainfall for February to April 2019

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 November-December 2018				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Beru (1932-2019)			106.0	396.0	213.0		4	18	**78**	39	
Butaritari (1931-2019)	2295.7	Above normal	671.0	1106.0	932.7	**80/80**	18	33	**49**	10	Consistent
Kanton (1937-2019)			76.2	185.9	136.6		19	6	**75**	22	
Kiritimati (1921-2019)	445.9	Above normal	258.5	397.1	326.8	69/95	14	20	**66**	22	Consistent
Tarawa (1950-2019)	1842.5	Above normal	323.1	841.2	558.8	**70/70**	7	43	**50**	22	Consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for June to August 2019

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

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Beru (1932-2019)	26	211.0	74		11	65
Butaritari (1931-2019)	34	740.0	66		4	63
Kanton (1937-2019)	33	244.9	67		4	63
Kiritimati (1921-2019)	57	123.4	43		-1	49
Tarawa (1950-2019)	23	360.9	77		13	70

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)	15	163.3	25	317.3	60	9	45
Butaritari (1931-2019)	24	621.7	30	856.0	46	1	45
Kanton (1937-2019)	22	195.6	44	295.3	34	-1	35
Kiritimati (1921-2019)	41	90.1	13	184.3	46	0	42
Tarawa (1950-2019)	22	269.4	25	514.0	53	4	42

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

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Tarawa	34	317.0	33	595.0	33
Tabuaeran	70	199.0	15	460.0	15
Kiritimati	76	90.0	19	179.0	5
Kanton	49	148.0	33	327.0	18
Butaritari	49	544.0	18	860.0	33
Arorae	39	275.0	18	488.0	43

Summary Statements

Rainfall for April 2019:

Butaritari and Tarawa were above normal while Kiritimati recorded normal rainfall. Total rainfall for April in Butaritari and Tarawa were the highest wettest in their rank.

Accumulated rainfall for February to April 2019, including outlook verification:

Above normal was recorded at all stations with consistent verification. Butaritari and Tarawa recorded the wettest February to April period on record.

Outlooks for June to August 2019:

1. **SCOPIC:**
   The Outlook favours above normal rainfall for Beru and Tarawa.

   For Butaritari and Kirimati, the outlook for the season shows above normal as the most likely outcome, with normal and below normal respectively. Below normal is the least like for Butaritari and normal for Kirimati.

   Most likely outcome for Kanton is normal with above normal next most likely. Below normal is the least likely.

2. **POAMA:**
   All stations favour below normal rainfall except Arorae where above normal is the mostly likely outcome, with below normal next most likely.

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: April 2019	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Outlook	5th	Government Sectors, Non-Government Organisations, Fisheries (coastal and offshore) Sector, General Public and internal staffs.	~104+	~40+	~60+
Ocean Outlook	5th	Government Sectors, Non-Government Organisations, Fisheries (coastal and offshore) Sector, General Public and internal staffs.	~104+	~40+	~60+
Climate Briefing	4th	Drought Committee Members (Water and Sanitation Engineering Unit, Public Utilities Board, Agriculture, Environment and Conservation Division, Health and Medical Services)	10	5	5
		Total	~114+	~45+	~65+