

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 134

Country: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)	Aug-2018	Sep-2018	Oct-2018				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Beru (1932-2018)	104.0	19.4	18.9	18.8	63.4	33.5	22/64
Butaritari (1931-2018)	173.5	327.0	95.3	94.3	189.9	135.0	27/79
Kanton (1937-2018)	41.3	57.1	31.5	7.0	30.1	14.1	43/61
Kiritimati (1921-2018)	20.1	4.5	0.3	4.0	17.9	10.4	8/94
Tarawa (1950-2018)	142.2	168.5	24.2	40.3	123.9	71.6	17/69

TABLE 2: Three-month Rainfall for August to October 2018

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 May-June 2018				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Beru (1932-2018)	142.3	Normal	103.3	197.7	131.0	36/63	25	33	42	22	Near- consistent
Butaritari (1931-2018)	595.8	Normal	351.2	619.3	526.0	50/78	21	40	39	21	Consistent
Kanton (1937-2018)	129.9	Normal	82.6	173.2	128.8	29/56	29	37	34	26	Consistent
Kiritimati (1921-2018)	24.9	Below normal	26.1	57.8	40.4	31/93	30	34	36	6	Inconsistent
Tarawa (1950-2018)	334.9	Normal	193.6	431.2	279.4	42/69	19	44	37	35	Consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for December2018 to February2019
Predictor and Period used: NINO3.4 for September to October 2018

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Beru (1932-2018)	11	349.0	89		46	81
Butaritari (1931-2018)	33	819.5	67		12	70
Kanton (1937-2018)	22	58.2	78		29	76
Kiritimati (1921-2018)	20	106.4	80		35	78
Tarawa (1950-2018)	22	659.4	78		31	77

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 (1932-2018)	3	163.0	31	660.0	66	41	58
Butaritari (1931-2018)	15	617.7	37	1025.7	48	15	55
Kanton (1937-2018)	4	29.4	17	203.3	79	44	58
Kiritimati (1921-2018)	11	55.1	17	153.8	72	39	52
Tarawa (1950-2018)	3	385.2	35	852.7	62	45	62

TABLE 4: Seasonal Climate Outlooks using POAMA2 for December2018 to February 2019

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Tarawa	5	397.0	10	820.0	85
Tabuaeran	12	44.0	12	399.0	76
Kiritimati	36	50.0	5	147.0	59
Kanton	12	6.0	18	213.0	70
Butaritari	15	618.0	12	1064.0	73
Arorae	5	158.0	16	837.0	79

Summary Statements

Rainfall for October 2018:

Kiritimati and Tarawa were recorded below normal rainfall, Beru and Butaritari were normal while Kanton was above normal. Kiritimati recorded the 8th lowest October rainfall.

Accumulated rainfall for August to October 2018, including outlook verification:

Kiritimati was recorded below normal rainfall while Beru, Butaritari, Kanton and Tarawa were normal. Forecast is near consistent for Beru and inconsistent in Kiritimati while consistent for Butaritari, Kanton and Tarawa.

Outlooks for December 2018 to February 2019:

1. SCOPIC:

The outlook for DJF 2019 favours above normal rainfall for Beru, Kanton, Kiritimati and Tarawa while Butaritari shows above normal as the most likely outcome, with normal the next most likely. Below is the least likely.

Forecast skills: high to exceptional

2. POAMA:

Above normal rainfall favour for all stations.

Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders

Country	Date: October 2018	Stakeholder	Total Number of Participants	Number of male	Number of female

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: $X \geq 35$