

# Pacific Islands - Online Climate Outlook Forum (OCOF) No. 157

Country: Kiribati

**TABLE 1: Monthly Rainfall**

Station (include data period)	Jul-2020	Aug-2020	Sep-2020				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Beru (1945-2020)	9.9	11.9	43.1	25.0	81.0	47.0	32/64
Butaritari (1931-2020)	295.1	237.8	89.7	112.0	180.0	142.5	21/83
Kanton (1937-2020)				22.2	64.8	44.8	
Kiritimati (1921-2020)	63.1	0.0	1.6	4.0	17.2	8.2	18/95
Tarawa (1926-2020)	33.3	32.8	18.7	59.1	143.3	88.1	14/87

**TABLE 2: Three-month Rainfall for July to September 2020**

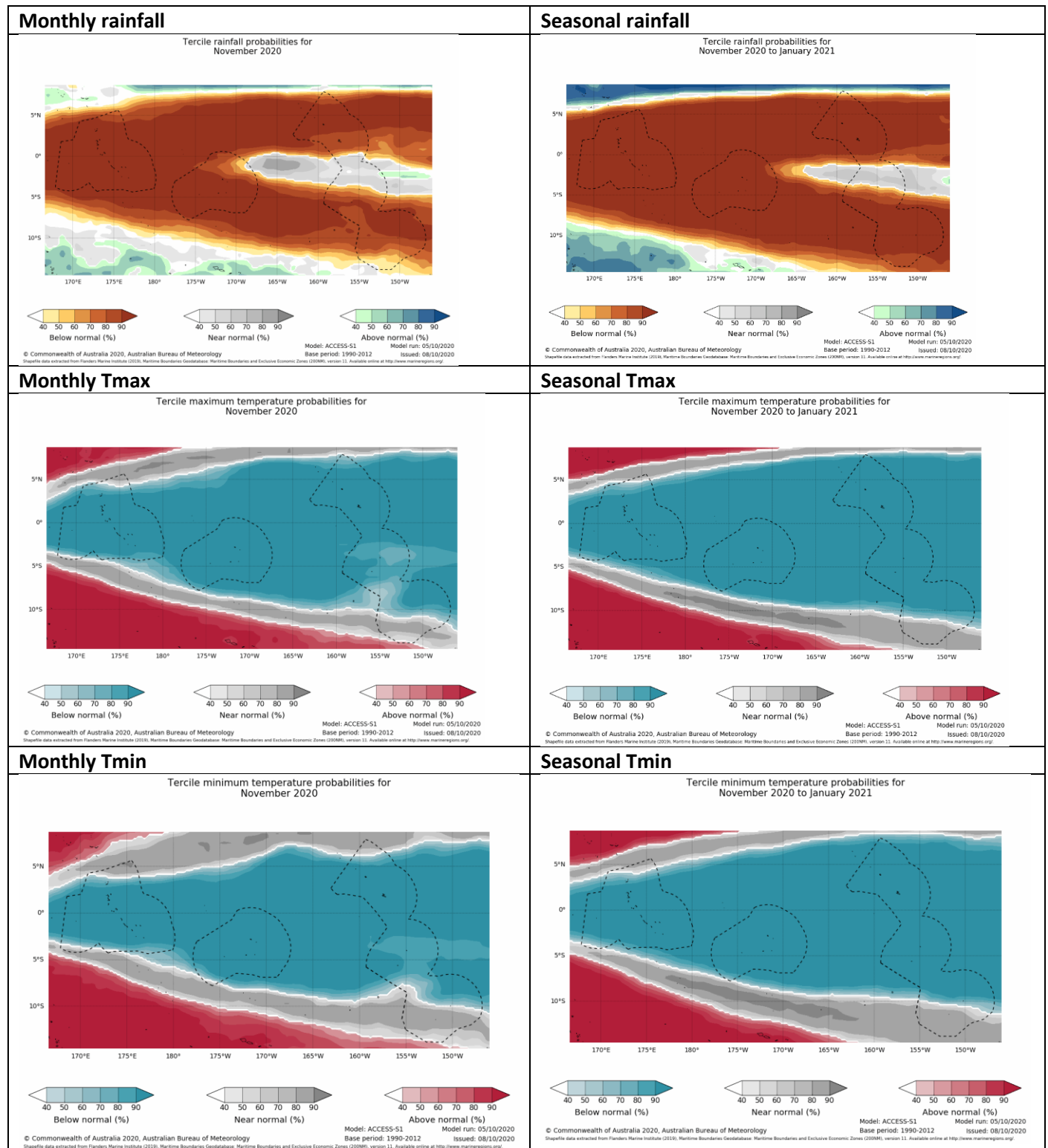
Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 April-May 2020				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Beru (1945-2020)	64.9	Below normal	133.3	315.3	189.0	6/62	21	34	45	21	Inconsistent
Butaritari (1931-2020)	622.6	Normal	510.9	738.8	640.0	43/83	27	33	40	7	Near-consistent
Kanton (1937-2020)			158.6	240.1	181.9		27	36	37	3	
Kiritimati (1921-2020)	64.7	Normal	52.0	116.7	85.5	45/95	33	29	38	1	Near-consistent
Tarawa (1926-2020)	84.8	Below normal	201.2	541.6	352.2	8/86	23	35	42	18	Inconsistent

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for November 2020 to January 2021**  
**Predictor and Period used: NINO3.4 for August to September 202**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Beru (1945-2020)	81	309.0	19		49	89
Butaritari (1931-2020)	68	733.1	33		23	76
Kanton (1937-2020)	73	65.4	27		34	78
Kiritimati (1921-2020)	73	42.0	27		33	76
Tarawa (1926-2020)	79	509.9	21		45	84

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 (1945-2020)	54	177.3	42	613.3	4	50	64
Butaritari (1931-2020)	49	588.0	37	911.2	14	30	60
Kanton (1937-2020)	51	26.0	45	169.2	4	34	55
Kiritimati (1921-2020)	50	29.8	44	94.0	6	38	66
Tarawa (1926-2020)	53	321.0	38	784.7	9	42	64

**TABLE 4: Monthly and Seasonal Climate Outlooks using ACCESS-S for November 2020 to January 2021**



## **Summary Statements**

### **Rainfall for September 2020:**

Butaritari, Kiritimati and Tarawa recorded below normal rainfall for September 2020, while normal rainfall was recorded at Beru.

### **Accumulated rainfall for July to September 2020, including outlook verification:**

Below normal was recorded at Beru and Tarawa, with the outlook issued in June verified as inconsistent. Butaritari and Kiritimati recorded normal rainfall, with their outlooks verified as near-consistent for July to September 2020.

Beru had its sixth-driest July to September on record, and Tarawa had its eighth driest out of 86 years of record.

### **Outlooks for November 2020 to January 2021:**

#### **1. SCOPIC:**

The outlook favours below normal for all sites across Kiribati.

Forecast skill for Butaritari and Kanton is very high, while at Kiritimati, Beru and Tarawa it is exceptional.

#### **2. ACCESS-S:**

##### **Monthly rainfall:**

The outlook favours below normal November rainfall for the whole country, apart from central areas of eastern Kiribati where near-normal rainfall is the most likely outcome.

##### **Monthly maximum and minimum temperatures:**

The outlook favours below normal November temperatures for nearly the whole country. The only exception is the far south of the eastern Kiribati region where near-normal temperatures are favoured.

##### **Seasonal rainfall:**

The outlook favours below normal November to January rainfall for the whole country, apart from central areas of eastern Kiribati where near-normal rainfall is the most likely outcome.

##### **Seasonal maximum and minimum temperatures:**

The outlook favours below normal temperatures over November to January for nearly the whole country. The only exception is the far south of the eastern Kiribati region where near-normal temperatures are favoured.

**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**

<b>Product</b>	<b>Date: September 2020</b>	<b>Stakeholder</b>	<b>Total Number of Participants</b>	<b>Number of male</b>	<b>Number of female</b>
Climate Bulletin	2th September	Government Sectors, Non-Government Organisations, Fisheries (coastal and offshore) sector, SPREP, General Public and internal staffs.	+118	+45	+73
EAR Watch	11th September	Government Sectors, Non-Government Organisations, Fisheries (coastal and offshore) sector, SPREP, General Public and internal staffs.	+118	+45	+73
Media Release	2th September	Media Colleagues – Government and Non-Government entities. Internal Staffs.	43	28	15
Ocean Bulletin	2th September	Government Sectors, Non-Government Organisations, Fisheries (coastal and offshore) sector, SPREP, General Public and Internal staffs.	+118	+45	+73
Ocean Bulletin and ENSO information	1st October 2020	Fisheries-Licensing and Compliance Unit Office of Beretitenti (OB)	5	3	2