

# Pacific Islands - Online Climate Outlook Forum (OCOF) No. 160

Country: Kiribati

**TABLE 1: Monthly Rainfall**

Station (include data period)	Oct-2020	Nov-2020	Dec-2020				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Beru (1932-2020)	0.6	4.6	6.5	67.3	212.0	126.0	9/63
Butaritari (1931-2020)	136.7	92.6	169.4	173.0	314.7	260.0	26/82
Kanton (1937-2020)				4.6	85.3	22.9	
Kiritimati (1921-2020)	0.2	4.3	1.3	4.0	25.5	9.7	16/86
Tarawa (1950-2020)	58.7	15.9	19.8	111.5	272.0	183.1	7/73

**TABLE 2: Three-month Rainfall for October to December 2020**

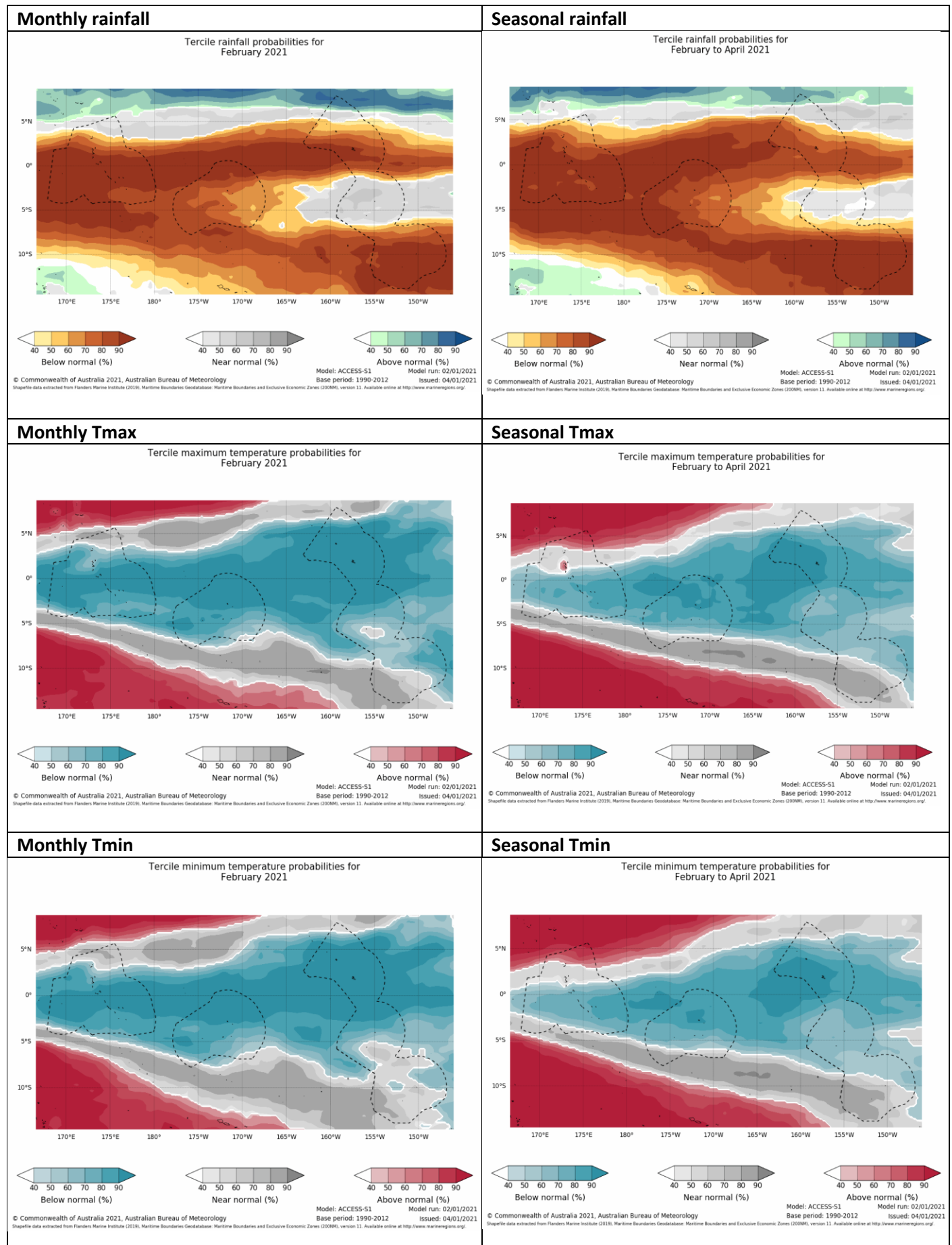
Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 July-August 2020				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Beru (1932-2020)	11.7	Below normal	124.0	335.9	234.0	2/62	36	54	10	51	Near-consistent
Butaritari (1931-2020)	398.7	Below normal	458.0	750.4	547.6	18/78	39	43	18	35	Near-consistent
Kanton (1937-2020)			37.4	115.1	57.9		44	49	7	46	
Kiritimati (1921-2020)	5.8	Below normal	19.3	72.7	38.0	13/79	40	48	12	42	Near-consistent
Tarawa (1950-2020)	94.4	Below normal	256.0	490.0	338.0	14/73	36	58	6	59	Near-consistent

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for February to April 2021****Predictor and Period used: NINO3.4 for November to December 2020**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Beru (1932-2020)	92	291.0	8		50	80
Butaritari (1931-2020)	69	943.0	31		13	71
Kanton (1937-2020)	77	147.0	23		22	66
Kiritimati (1921-2020)	79	348.3	21		22	67
Tarawa (1950-2020)	77	569.6	23		23	73

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 (1932-2020)	66	112.0	31	422.0	3	42	59
Butaritari (1931-2020)	50	670.3	36	1139.3	14	16	54
Kanton (1937-2020)	44	89.1	53	213.7	3	26	51
Kiritimati (1921-2020)	53	274.3	38	445.8	9	21	53
Tarawa (1950-2020)	65	339.5	19	866.0	16	24	59

**TABLE 4: Monthly and Seasonal Climate Outlooks using ACCESS-S for February to April 2021**



## **Summary Statements**

### **Rainfall for December 2020:**

All Meteorological Stations recorded below normal rainfall for December 2020.

Beru recorded its ninth driest December in 63 years of record, while Tarawa recorded its seventh driest in 73 years of record.

### **Accumulated rainfall for October to December 2020, including outlook verification:**

Below normal rainfall was recorded at all stations, with the outlook issued in September verified as near-consistent throughout.

Beru recorded its second driest October to December in 62 years of record.

### **Outlooks for February to April 2021:**

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

Below normal rainfall is favoured at most sites, the exception being Kanton where normal rainfall is favoured.

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

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

##### **Monthly and Seasonal rainfall:**

Below normal rainfall is generally favoured across the Kiribati region for February and February to April 2021. One exception is the central part of eastern Kiribati where normal rainfall is the most likely.

##### **Monthly and Seasonal maximum temperatures:**

Below normal maximum temperatures are favoured across all the Kiribati groups, apart from the south of eastern Kiribati where normal temperatures are favoured.

##### **Monthly and Seasonal minimum temperatures:**

Below normal minimum temperatures are generally favoured over the Gilbert, Phoenix and Line groups. The main exception is the south of the Line Islands where near-normal temperatures are the 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**

<b>Product</b>	<b>Date: December 2020</b>	<b>Stakeholder</b>	<b>Total Number of Participants</b>	<b>Number of male</b>	<b>Number of female</b>
Climate Bulletin	8 <sup>th</sup> December	Government Sectors, Non- Government Organisations, Fisheries (coastal and offshore) sector, SPREP, General Public and internal staffs	+118	+45	+73
EAR Watch	8 <sup>th</sup> December	Government Sectors, Non- Government Organisations, Fisheries (coastal and offshore) sector, SPREP, General Public and internal staffs	+118	+45	+73
Media Release	8 <sup>th</sup> December	Media Colleagues – Government and Non- Government entities. Internal Staffs	43	28	15
Ocean Bulletin	8 <sup>th</sup> December	Government Sectors, Non- Government Organisations, Fisheries (coastal and offshore) sector, SPREP, General Public and internal staffs	+118	+45	+73
<b>Total</b>			161	73	88