

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 159

Country: Kiribati

**TABLE 1: Monthly Rainfall**

Station (include data period)	Sep-2020	Oct-2020	Nov-2020				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Beru (1932-2020)	43.1	0.6	4.6	21.6	74.6	39.2	14/64
Butaritari (1931-2020)	89.7	136.7	92.6	126.0	220.3	172.0	19/82
Kanton (1937-2020)				5.2	27.2	13.0	
Kiritimati (1921-2020)	1.6	0.2	4.3	3.7	21.2	12.0	33/87
Tarawa (1950-2020)	18.7	58.7	15.9	42.5	129.6	69.2	11/73

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

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 June-July 2020				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Beru (1932-2020)	48.3	Below normal	78.0	216.3	144.0	13/62	31	47	22	37	Near-consistent
Butaritari (1931-2020)	319.0	Below normal	413.3	608.7	486.6	18/78	31	44	25	32	Near-consistent
Kanton (1937-2020)			44.2	120.3	81.0		42	44	14	33	
Kiritimati (1921-2020)	6.1	Below normal	24.7	67.5	48.1	16/87	36	41	23	24	Near-consistent
Tarawa (1950-2020)	93.3	Below normal	181.6	369.9	265.8	14/73	25	57	18	52	Near-consistent

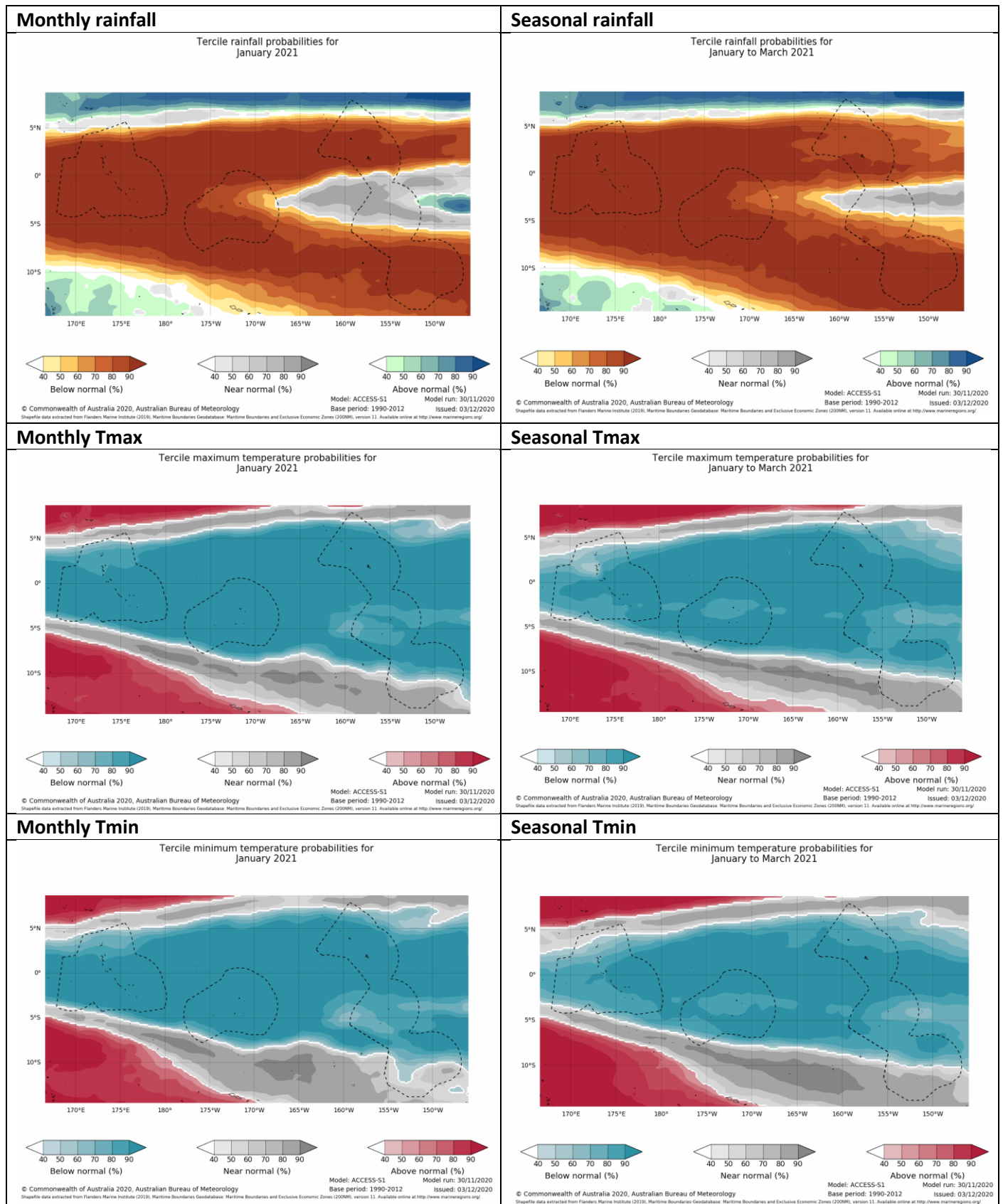
**TABLE 3: Seasonal Climate Outlooks using SCOPIC for January to March 2021**

Predictor and Period used: NINO3.4 for October to November 2020

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Beru (1932-2020)	95	316.0	5		51	82
Butaritari (1931-2020)	72	875.0	28		15	72
Kanton (1937-2020)	86	111.9	14		38	78
Kiritimati (1921-2020)	83	202.4	17		29	73
Tarawa (1950-2020)	85	728.3	15		35	79

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)	67	144.1	28	511.0	5	34	59
Butaritari (1931-2020)	55	710.6	28	1130.0	17	15	46
Kanton (1937-2020)	55	54.6	42	202.0	3	34	58
Kiritimati (1921-2020)	57	117.0	41	284.0	2	36	51
Tarawa (1950-2020)	63	348.3	29	949.1	8	30	66

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



## **Summary Statements**

### **Rainfall for November 2020:**

Below normal rainfall was recorded at Beru, Butaritari and Tarawa, while Kiritimati recorded normal rainfall.

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

All Kiribati stations recorded below normal rainfall, with near-consistent verification of the outlook issued in August for September to November 2020.

### **Outlooks for January to March 2021:**

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

The outlook for all Kiribati stations favours below normal rainfall.

Forecast skills are very high for Beru, Kanton and Tarawa, good for Butaritari, and exceptional for Kiritimati.

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

##### **Monthly and seasonal rainfall:**

Below normal rainfall is favoured across the Kiribati region for January and for January to March 2021. The only exception is the central parts of eastern Kiribati, where near-normal rainfall is favoured.

##### **Monthly and seasonal maximum temperatures:**

The outlook favours below normal maximum temperatures across the Kiribati region for January and January to March. The only exception is the southern parts of eastern Kiribati, where near-normal temperatures are favoured.

##### **Monthly and seasonal minimum temperature:**

The outlook favours below normal minimum temperatures for the Kiribati groups for January and January to March. The only exception is the southern parts of eastern Kiribati, 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**

Product	Date: November 2020	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin	4 <sup>th</sup> November	Government Sectors, Non- Government Organisations, Fisheries (coastal and offshore) sector, SPREP, General Public and internal staffs.	+118	+45	+73
EAR Watch	10 <sup>th</sup> November	Government Sectors, Non- Government Organisations, Fisheries (coastal and offshore) sector, SPREP, General Public and internal staffs.	+118	+45	+73
Media Release	4 <sup>th</sup> November	Media Colleagues – Government and Non- Government entities.  Internal Staffs	43	28	15
Ocean Bulletin	4 <sup>th</sup> November	Government Sectors, Non- Government Organisations, Fisheries (coastal and offshore) sector, SPREP, General Public and internal staffs.	+118	+45	+73
<b>Total</b>			<b>161</b>	<b>73</b>	<b>88</b>