

# Pacific Islands - Online Climate Outlook Forum (OCOF) No. 165

Country: Kiribati

**TABLE 1: Monthly Rainfall**

Station (include data period)	Mar-2021	Apr-2021	May-2021				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Beru (1932-2021)	39.2	64.4	90.3	38.8	99.0	66.5	38/65
Butaritari (1931-2021)	300.6	230.5	410.0	217.3	325.5	302.0	69/84
Kanton (1937-2021)				45.8	97.8	58.7	
Kiritimati (1921-2021)	51.4	43.6	29.6	30.7	108.2	62.9	29/97
Tarawa (1950-2021)	57.0	111.3	139.6	95.6	170.8	141.2	37/74
Arorae (1950-2021)	21.9	64.0	57.6	60.7	154.0	103.0	18/55

**TABLE 2: Three-month Rainfall for March to May 2021**

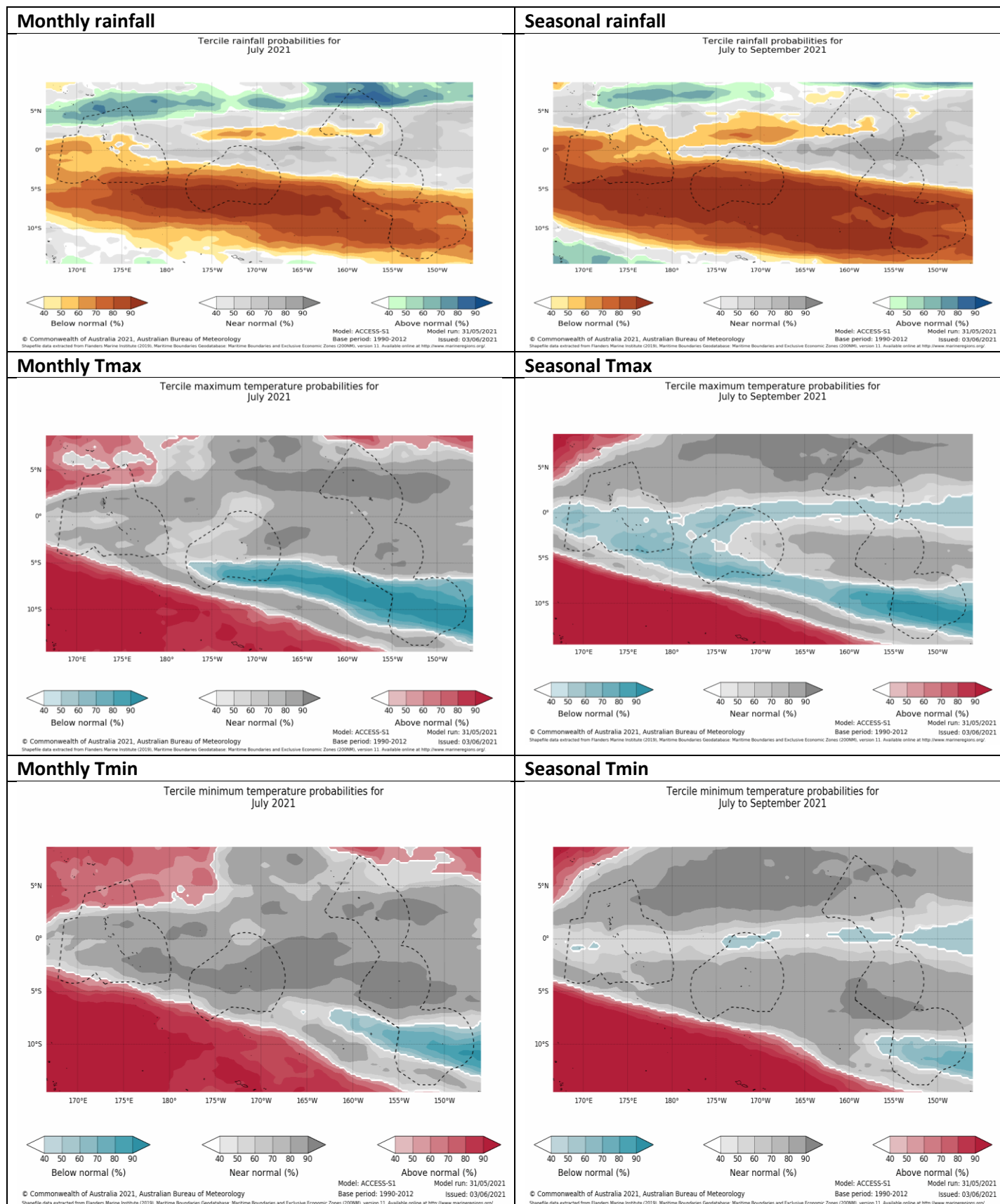
Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 Dec 2020-Jan 2021				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Beru (1932-2021)	193.9	Normal	158.0	381.0	265.5	26/64	49	45	6	26	Near- consistent
Butaritari (1931-2021)	941.1	Normal	719.7	1091.3	944.0	41/84	45	34	21	10	Near- consistent
Kanton (1937-2021)			136.6	231.5	182.3		40	45	15	11	
Kiritimati (1921-2021)	124.6	Below normal	303.9	477.0	376.0	9/96	47	36	17	12	Consistent
Tarawa (1950-2021)	307.9	Below normal	334.8	680.3	517.3	21/74	50	30	20	14	Consistent
Arorae (1950-2021)	143.5	Below normal	261.0	524.0	359.0	9/53					

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for July to September 2021****Predictor and Period used: NINO3.4 for April to May 2021**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Beru (1932-2021)	65	195.0	35		19	65
Butaritari (1931-2021)	58	622.6	42		6	64
Kanton (1937-2021)	57	183.0	43		2	61
Kiritimati (1921-2021)	49	85.0	51		-1	42
Tarawa (1950-2021)	68	337.4	32		23	72
Arorae (1950-2021)	63	334.0	37		18	62

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 (1932-2021)	44	133.3	39	314.1	17	18	47
Butaritari (1931-2021)	41	504.6	33	734.5	26	6	43
Kanton (1937-2021)	42	158.6	30	240.4	28	3	45
Kiritimati (1921-2021)	35	52.1	38	115.0	27	1	42
Tarawa (1950-2021)	44	195.8	38	541.4	18	17	48
Arorae (1950-2021)	41	215.0	35	447.0	24	12	46

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



## **Summary Statements**

### **Rainfall for May 2021:**

Kiritimati and Arorae recorded below normal rainfall while Beru and Tarawa recorded above normal for May 2021. Above normal was recorded at Butaritari.

### **Accumulated rainfall for March to May 2021, including outlook verification:**

Below normal rainfall was recorded at Kiritimati and Tarawa with a consistent verification outlook. Beru and Butaritari recorded normal rainfall with near consistent. Arorae recorded below normal rainfall.

Kiritimati recorded it's ninth driest March to May on record.

### **Outlooks for July to September 2021:**

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

The outlook for most of the islands shows below normal rainfall as the most likely outcome with normal the next most likely. Above normal is the least likely.

The outlook for Kiritimati shows a near-equal likelihood of below-normal and normal rainfall.

Forecast skills for Kiritimati and Kanton are low and moderate at Butaritari. Skill for Arorae is good, while Tarawa and Beru is high.

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

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

Below normal is favoured at most Kiribati stations for July. The exceptions are Tarawa where the outlook is for normal rainfall and Butaritari where the outlook for the month is mixed, with little guidance for below-normal, normal or above-normal rainfall.

##### **Monthly maximum and minimum temperature:**

Near normal temperatures are favoured for all stations for July. The exception is Butaritari where above normal is favoured.

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

Below normal is favoured at most Kiribati stations for July to September. The exceptions are Butaritari and Kiritimati where near normal is favoured.

##### **Seasonal maximum temperature:**

Near normal temperatures are favoured for most stations, except Beru and Arorae where below normal temperatures are favoured.

##### **Seasonal minimum temperature:**

Near normal temperatures are favoured for all stations for July to September.

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: May 2021	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin	3 <sup>rd</sup> May	Government Sectors, Non- Government Organisations, Fisheries (coastal and offshore) sector, SPREP, General Public and internal staffs	+118	+45	+73
EAR Watch	3 <sup>rd</sup> May	Government Sectors, Non- Government Organisations, Fisheries (coastal and offshore) sector, SPREP, General Public and internal staffs.	+118	+45	+73
Monthly Climate Briefing	3 <sup>rd</sup> May	Media Colleagues – Government and Non- Government entities. Internal Staffs	43	28	15
Ocean Bulletin	3 <sup>rd</sup> May	Government Sectors, Non- Government Organisations, Fisheries (coastal and offshore) sector, SPREP, General Public and internal staffs	+118	+45	+73
<b>Total</b>			<b>Total</b>	<b>161</b>	<b>73</b>