

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 153

Country: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)	Mar-2020	Apr-2020	May-2020				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Beru (1932-2020)		14.7	15.2	46.9	101.7	72.0	12/67
Butaritari (1931-2020)	413.6	441.2		215.3	323.8	287.0	
Kanton (1937-2020)	70.5	23.9	23.1	47.0	91.6	60.3	11/60
Kiritimati (1921-2020)	93.4	114.2	17.2	31.0	109.2	63.8	20/96
Tarawa (1950-2020)	515.7	120.7	102.0	94.6	171.2	141.3	26/71

**TABLE 2: Three-month Rainfall for March to May 2020**

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 December 19-January 20				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Beru (1932-2020)			169.2	382.1	292.0		22	27	51	26	
Butaritari (1931-2020)			719.7	1076.7	936.5		24	34	42	9	
Kanton (1937-2020)	117.5	Below normal	140.1	231.5	181.9	18/59	25	27	48	14	Inconsistent
Kiritimati (1921-2020)	224.8	Below normal	301.4	477.0	367.5	18/96	21	34	45	14	Inconsistent
Tarawa (1950-2020)	738.4	Above normal	330.2	666.3	503.2	51/71	19	38	43	14	Consistent

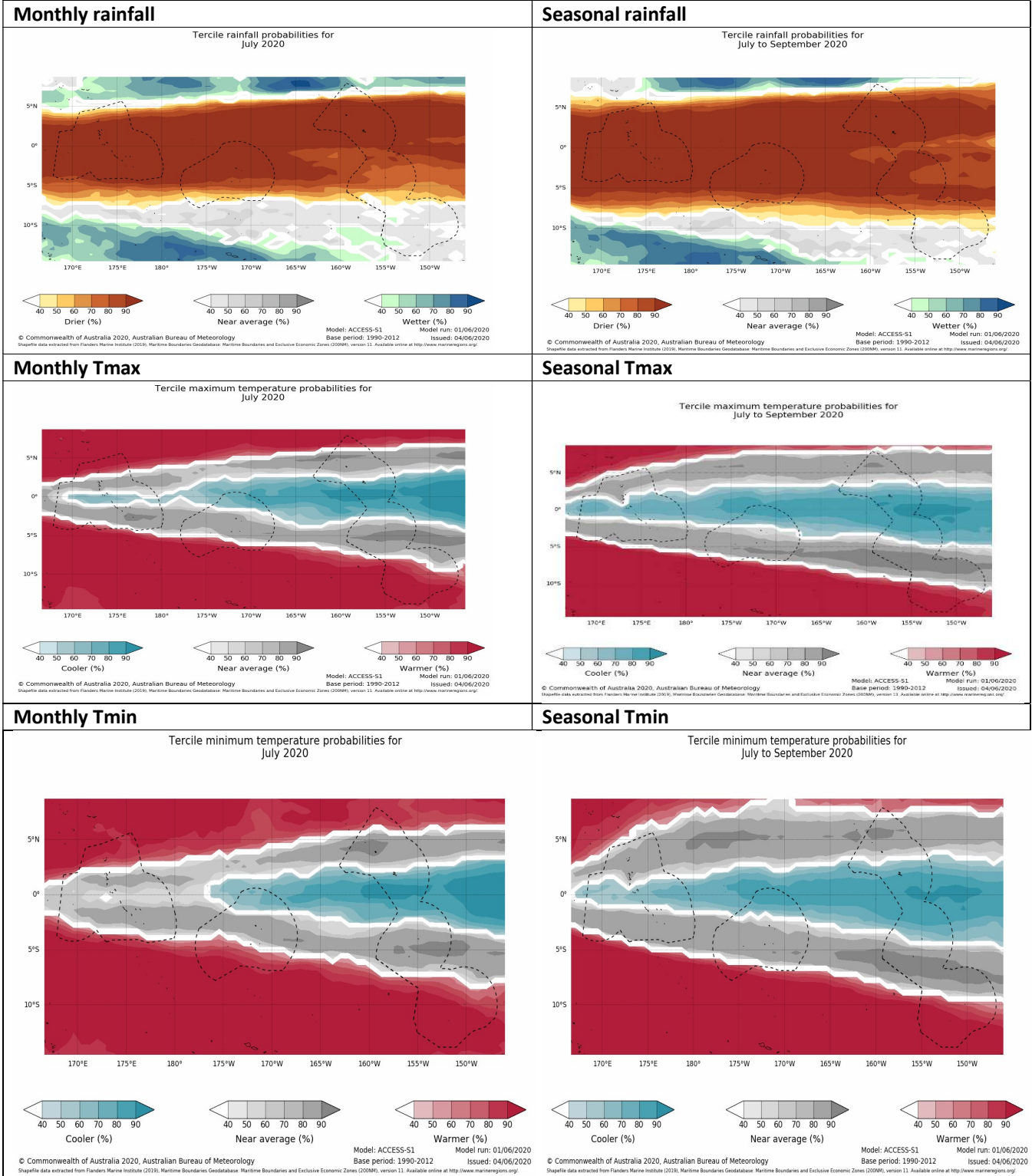
**TABLE 3: Seasonal Climate Outlooks using SCOPIC for July to September 2020**

Predictor and Period used: NINO3.4 for April to May 2020

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Beru (1932-2020)	37	189.0	63		17	65
Butaritari (1931-2020)	42	640.0	58		8	65
Kanton (1937-2020)	46	181.9	54		2	65
Kiritimati (1921-2020)	51	85.5	49		-1	26
Tarawa (1950-2020)	36	352.2	64		25	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)	21	133.3	34	315.3	45	21	48
Butaritari (1931-2020)	27	510.9	33	738.8	40	7	46
Kanton (1937-2020)	27	158.6	36	240.1	37	3	46
Kiritimati (1921-2020)	33	52.0	29	116.7	38	1	43
Tarawa (1950-2020)	23	201.2	35	541.6	42	18	49

# Monthly and Seasonal Climate Outlooks using ACCESS-S for July to September 2020



## **Summary Statements**

### **Rainfall for May 2020:**

Beru, Kanton and Kiritimati recorded below normal rainfall for the month of May 2020. However, normal rainfall was recorded at Tarawa. Rainfall was not available for Butaritari.

### **Accumulated rainfall for March to May 2020, including outlook verification:**

Below normal rainfall was recorded for Kanton and Kiritimati, with inconsistent verification of the outlook issued in February. Tarawa recorded above normal rainfall for March to May, and its outlook was verified as consistent. Three months rainfall was not available for Beru and Butaritari.

### **Outlooks for July to September 2020:**

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

The outlook for Beru, Butaritari, and Tarawa shows above normal rainfall as the most likely outcome, with normal the next most likely. Below normal is the least likely.

The outlook for Kanton shows a near-equal likelihood of above normal and normal rainfall. Below normal is the least likely.

The outlook for Kiritimati offers little guidance as the chances of below normal, normal and above normal rainfall are similar.

Forecast skill for Kanton and Kiritimati is low while moderate for Butaritari. Tarawa and Beru have high skills.

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

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

A drier than average July is favoured at all stations .

##### **Monthly maximum temperature:**

Butaritari is favoured to be warmer than average, while near-average is the most likely for Tarawa, Beru and Kanton. However, Kiritimati is favoured to be cooler than average in July.

##### **Monthly minimum temperature:**

Butaritari is favoured to be warmer than average, while Kiritimati is favoured to be cooler than average. The outlook for Tarawa, Beru and Kanton favours near-average minimum temperatures in July.

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

A drier than average three months is favoured at Butaritari, Tarawa, Beru, Kanton and Kiritimati.

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

Near-average maximum temperature is favoured at Butaritari, Tarawa and Kanton for the July-September period. Beru and Kiritimati are favoured to be cooler than average.

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

The outlook for Butaritari, Tarawa, Beru and Kanton favours near-average minimum temperature, while a cooler than average three months is favoured at Kiritimati.

**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: May 2020</b>	<b>Stakeholder</b>	<b>Total Number of Participants</b>	<b>Number of male</b>	<b>Number of female</b>
Climate Bulletin	12th May	Sectors, Non Government Organisations, Fisheries (coastal and offshore) Sector, SPREP, General Public and internal staffs.	+118	+45	+73
EAR Watch	12th May	Sectors, Non Government Organisations, Fisheries (coastal and offshore) Sector, SPREP, General Public and internal staffs.	+118	+45	+73
Media Release	12th May	Media Colleagues Government and Non Government entities. And Internal staffs	43	28	15
Ocean Bulletin	12th May	Sectors, Non Government Organisations, Fisheries (coastal and offshore) Sector, SPREP, General Public and internal staffs.	+118	+45	+73
<b>Total</b>			161	73	88