

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 152

Country: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)	Feb-2020	Mar-2020	Apr-2020				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Beru (1932-2020)	442.1		14.7	47.3	127.3	84.0	12/66
Butaritari (1931-2020)	544.0	413.6	441.2	237.7	378.7	312.0	63/82
Kanton (1937-2020)	158.4	70.5		46.3	105.2	75.0	
Kiritimati (1921-2020)	114.6	93.4	114.2	102.8	214.0	144.5	45/96
Tarawa (1950-2020)	384.1	515.7	120.7	107.6	219.1	150.9	28/71

**TABLE 2: Three-month Rainfall for February to April 2020**

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 November-December 2019				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Beru (1932-2020)			111.7	439.7	274.0		10	37	53	43	
Butaritari (1931-2020)	1398.8	Above normal	669.7	1125.0	937.8	70/81	22	35	43	12	Consistent
Kanton (1937-2020)			86.1	207.9	143.2		27	19	54	24	
Kiritimati (1921-2020)	322.2	Normal	272.5	445.9	349.3	47/96	21	32	47	21	Near-consistent
Tarawa (1950-2020)	1020.5	Above normal	337.0	863.7	564.2	59/71	12	43	45	25	Consistent

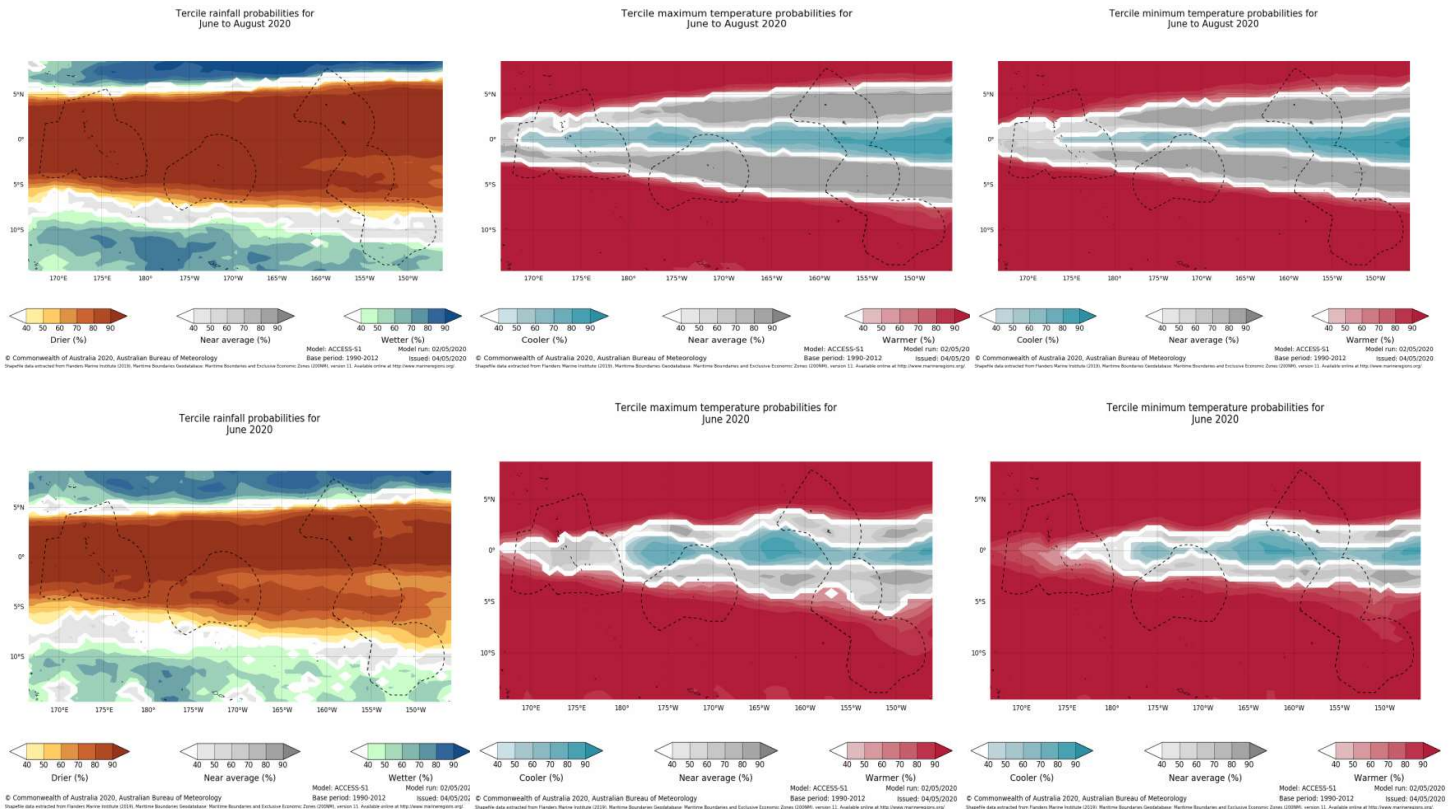
### TABLE 3: Seasonal Climate Outlooks using SCOPIC for June to August 2020

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

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Beru (1932-2020)	32	213.0	68	11	65
Butaritari (1931-2020)	38	740.0	62	4	63
Kanton (1937-2020)	41	250.8	59	1	60
Kiritimati (1921-2020)	53	136.0	47	-1	50
Tarawa (1950-2020)	30	368.8	70	14	70

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)	20	166.0	31	322.0	49	10	52
Butaritari (1931-2020)	28	623.4	30	856.7	42	2	28
Kanton (1937-2020)	26	195.6	40	295.3	34	-1	35
Kiritimati (1921-2020)	39	91.0	20	183.7	41	-1	40
Tarawa (1950-2020)	25	274.2	27	537.5	48	5	44

### Monthly and Seasonal Climate Outlooks using ACCESS-S for June to August 2020



## **Summary Statements**

### **Rainfall for April 2020:**

Above normal rainfall was recorded at Butaritari, while Beru recorded below normal rainfall for April. Normal rainfall was recorded at Kiritimati and Tarawa.

### **Accumulated rainfall for February to April 2020, including outlook verification:**

Butaritari and Tarawa recorded above normal rainfall, with consistent outlook verification for the period of February to April 2020. Normal rainfall was recorded at Kiritimati, with near-consistent outlook verification. Three-month totals were unavailable for Beru and Kanton.

### **Outlooks for June to August 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.

The outlook for Kiritimati is mixed with a near-equal likelihood of above normal and below normal rainfall; normal rainfall is the least likely.

The outlook for Kanton shows normal rainfall as the most likely outcome, with above normal the next most likely. Below normal is the least likely.

Forecast skill for Kanton and Kiritimati is very low, while low for Butaritari. Historical outlook skill is moderate at Tarawa and good for Beru.

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

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

Drier than average is favoured for all stations.

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

Warmer than average is favoured at Butaritari and Tarawa. Beru, Kanton and Kiritimati are favoured near average.

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

Warmer than average is favoured at Butaritari, Tarawa, Beru and Kanton. Near average is favoured at Kiritimati.

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

All stations favoured drier than average.

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

Warmer than average is favoured at Butaritari while Tarawa, Beru, Kanton and Kiritimati favoured near average.

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

Butaritari is favoured warmer than average. Near average is favoured at Tarawa, Beru, Kanton and 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: April 2020</b>	<b>Stakeholder</b>	<b>Total Number of Participants</b>	<b>Number of male</b>	<b>Number of female</b>
Climate Bulletin	14 <sup>th</sup> April	Sectors, Non-Government Organisations, Fisheries (coastal and offshore) Sector, SPREP, General Public and internal staffs.	+118	+45	+73
EAR Watch	14 <sup>th</sup> April	Government Sectors, Non-Government Organisations, Fisheries (coastal and offshore) Sector, SPREP, General Public and internal staffs	+118	+45	+73
Media Release	14 <sup>th</sup> April	Media Colleagues-Government and Non Government entities. And Internal staffs.	43	28	15
Ocean Bulletin	14 <sup>th</sup> April	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