

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 158

Country: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)	Aug-2020	Sep-2020	Oct-2020				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Beru (1945-2020)	11.9	43.1	0.6	18.9	63.4	33.0	3/63
Butaritari (1931-2020)	237.8	89.7	136.7	92.4	181.7	126.0	43/83
Kanton (1937-2020)				7.0	31.2	15.5	
Kiritimati (1921-2020)	0.0	1.6	0.2	4.0	18.0	10.4	8/95
Tarawa (1926-2020)	32.8	18.7	58.7	31.8	101.0	62.7	41/85

TABLE 2: Three-month Rainfall for August to October 2020

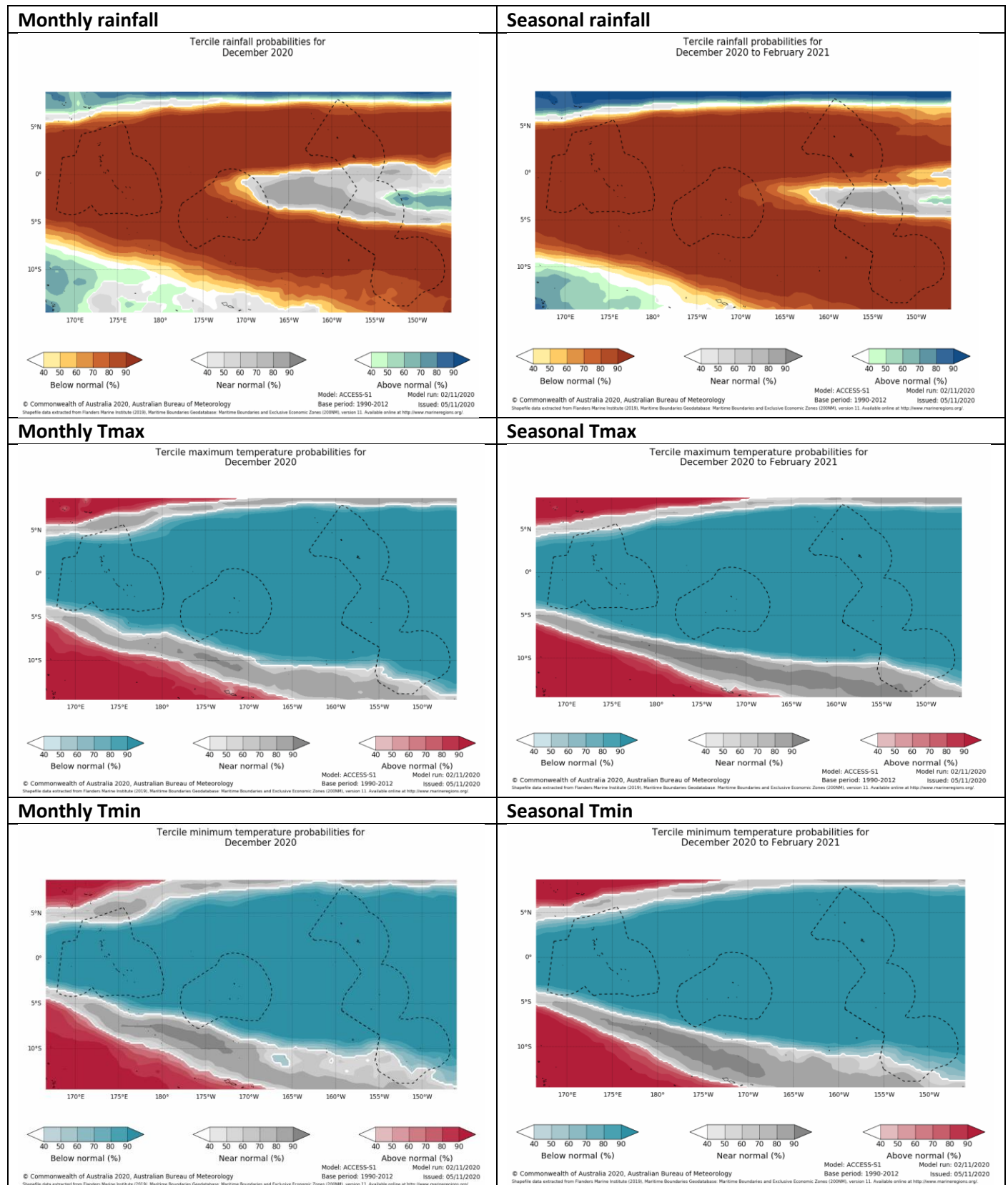
Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 May-June 2020				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Beru (1945-2020)	55.6	Below normal	114.0	204.0	139.5	4/62	34	39	27	23	Near-consistent
Butaritari (1931-2020)	464.2	Normal	428.4	641.2	564.0	37/83	32	37	31	23	Consistent
Kanton (1937-2020)			108.6	186.7	134.0		37	40	23	26	
Kiritimati (1921-2020)	1.8	Below normal	27.0	58.0	44.8	3/94	35	34	31	3	Consistent
Tarawa (1926-2020)	110.2	Below normal	211.0	418.7	279.4	19/84	32	44	24	35	Near-consistent

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

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Beru (1945-2020)	90	363.6	10		46	82
Butaritari (1931-2020)	68	889.0	32		12	70
Kanton (1937-2020)	81	66.3	19		33	72
Kiritimati (1921-2020)	82	93.5	18		34	77
Tarawa (1926-2020)	78	677.8	22		29	76

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 (1945-2020)	69	161.0	28	672.7	3	44	56
Butaritari (1931-2020)	52	622.0	33	1093.0	15	16	57
Kanton (1937-2020)	58	30.3	40	209.3	2	41	62
Kiritimati (1921-2020)	51	43.3	47	133.5	2	39	57
Tarawa (1926-2020)	73	386.8	23	859.3	4	46	61

TABLE 4: Monthly and Seasonal Climate Outlooks using ACCESS-S for December 2020 to February 2021



Summary Statements

Rainfall for October 2020:

Beru and Kiritimati recorded below normal rainfall while normal rainfall was recorded at Butaritari and Tarawa for October.

Beru recorded its third driest October on record while Kiritimati had its eighth driest.

Accumulated rainfall for August to October 2020, including outlook verification:

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

Outlook verification is near consistent in Beru and Tarawa while Butaritari and Kiritimati are consistent.

Beru recorded its fourth-driest August-October on record while Kiritimati recorded its third driest.

Outlooks for December 2020 February 2021:

1. SCOPIC:

The outlook for all Kiribati stations favours below normal rainfall.

All stations are exceptional in their forecast skill except for Butaritari which is high.

2. ACCESS-S:

Monthly rainfall:

The outlook favours below normal rainfall for most parts of the Kiribati group for December, the main exception being central regions of the eastern Kiribati EEZ where near-normal to above normal is favoured.

Monthly maximum and Minimum temperatures:

The outlook for all the Kiribati group favours below normal temperatures for December 2020.

Seasonal rainfall:

The outlook for most parts of the Kiribati islands favours below normal rainfall for December 2020 to February 2021, the main exception being central regions of eastern Kiribati where near-normal is favoured.

Seasonal maximum and minimum temperatures:

The outlook favours below normal temperatures for December 2020 to February 2021.

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: October 2020	Stakeholder	Total Number of Participants	Number of males	Number of females
Climate Bulletin	2nd October	Government Sectors, Non-Government Organisations, Fisheries (coastal and offshore) sector, SPREP, General Public and internal staffs.	+118	+45	+73
EAR Watch	15th October	Government Sectors, Non-Government Organisations, Fisheries (coastal and offshore) sector, SPREP, General Public and internal staffs.	+118	+45	+73
Media Release	6th October	Media Colleagues – Government and Non-Government entities. Internal Staffs	43	28	15
Ocean Bulletin	2nd October	Government Sectors, Non-Government Organisations, Fisheries (coastal and offshore) sector, SPREP, General Public and internal staffs.	+118	+45	+73
Total			161	73	88