

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 162

Country: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)	Dec-2020	Jan-2021	Feb-2021				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Beru (1932-2021)	6.5	4.2	56.6	10.0	160.7	50.1	33/63
Butaritari (1931-2021)	169.4	133.9	142.6	190.0	327.0	265.0	23/83
Kanton (1937-2021)	2.0			5.1	58.1	8.2	
Kiritimati (1921-2021)	1.3	0.6	32.5	17.3	63.6	35.9	34/97
Tarawa (1950-2021)	19.8	68.1	46.8	77.0	272.2	184.0	17/74

TABLE 2: Three-month Rainfall for December 2020 to February 2021

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 September-October 2020				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Beru (1932-2021)	67.3	Below normal	161.0	672.7	363.6	8/61	69	28	3	44	Consistent
Butaritari (1931-2021)	445.9	Below normal	622.0	1093.0	898.0	17/80	52	33	15	16	Consistent
Kanton (1937-2021)			30.3	209.3	66.3		58	40	2	41	
Kiritimati (1921-2021)	34.4	Below normal	43.3	133.5	93.5	20/86	51	47	2	39	Consistent
Tarawa (1950-2021)	134.7	Below normal	386.8	859.3	677.8	11/73	73	23	4	46	Consistent

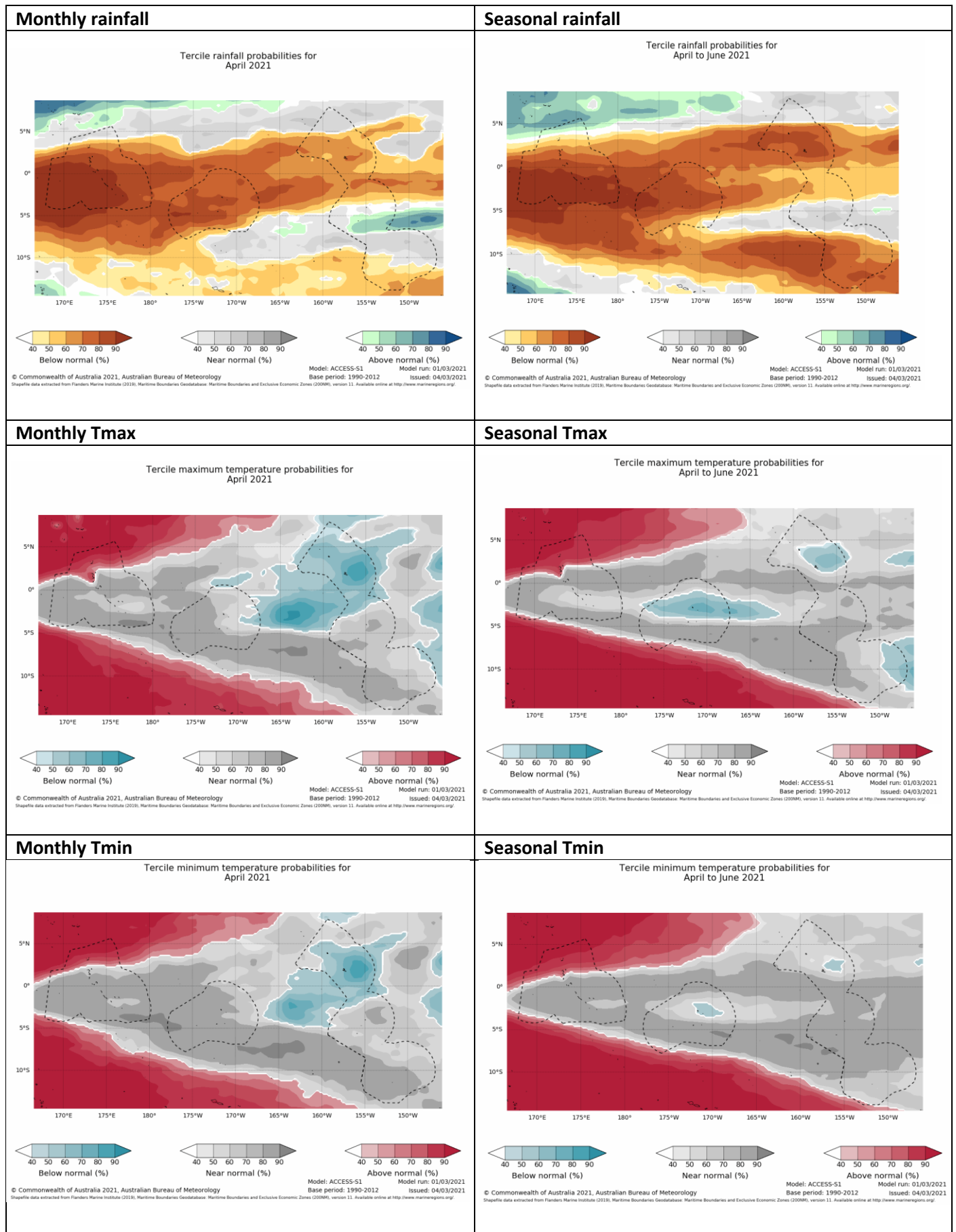
TABLE 3: Seasonal Climate Outlooks using SCOPIC for April to June 2021

Predictor and Period used: NINO3.4 for January to February 2021

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Beru (1932-2021)	65	238.0	35		9	63
Butaritari (1931-2021)	63	857.0	37		8	70
Kanton (1937-2021)	60	217.8	40		4	59
Kiritimati (1921-2021)	64	312.0	36		7	59
Tarawa (1950-2021)	64	421.9	36		8	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	170.3	33	355.7	23	4	46
Butaritari (1931-2021)	42	704.0	36	1012.0	22	5	45
Kanton (1937-2021)	41	179.2	41	269.0	18	8	49
Kiritimati (1921-2021)	43	213.5	31	414.2	26	3	38
Tarawa (1950-2021)	44	315.2	37	577.7	19	8	47

TABLE 4: Monthly and Seasonal Climate Outlooks using ACCESS-S for April to June 2021



Summary Statements

Rainfall for February 2021:

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

Accumulated rainfall for December 2020 to February 2021, including outlook verification:

All stations recorded below normal rainfall, with the outlook issued in November verified as consistent.

Outlooks for April to June 2021:

1. SCOPIC:

The outlooks for Beru, Butaritari, Kiritimati and Tarawa show below normal as the most likely outcome, with normal the next most likely. Above normal rainfall is the least likely.

The outlook for Kanton shows equal chances of below normal and near-normal rainfall; above normal is the least likely outcome.

Forecast skill for Beru and Kiritimati is low, while it is moderate at Butaritari, Kanton and Tarawa.

2. ACCESS-S:

Monthly and seasonal rainfall:

Below normal rainfall is favoured at all stations for April and for April to June 2021.

Monthly and seasonal maximum temperature:

Above normal maximum temperatures are favoured at Butaritari and Tarawa, while at Beru near-normal temperatures are favoured. At Kanton, near-normal temperatures are favoured in April, but below normal temperatures are favoured for April to June 2021. At Kiritimati, below normal temperatures are favoured for both April and April to June.

Monthly and seasonal minimum temperature:

Near-normal temperatures are mainly favoured, the exceptions being above normal temperatures favoured at Butaritari for both periods, and below normal temperatures the favoured or most likely at Kanton for April to June and at Kiritimati for April.

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: February 2021	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin	29 th Jan	Government Sectors, Non Government Organisations, Fisheries (coastal and offshore) sector, SPREP, General Public and internal staffs.	+118	+45	+73
EAR Watch	29 th Jan	Government Sectors, Non Government Organisations, Fisheries (coastal and offshore) sector, SPREP, General Public and internal staffs.	+118	+45	+73
Media Release	29 th Jan	Media Colleagues – Government and Non Government entities. Internal Staffs.	43	28	15
Ocean Bulletin	29 th Jan	Government Sectors, Non Government Organisations, Fisheries (coastal and offshore) sector, SPREP, General Public and internal staffs.	+118	+45	+73
Total			161	73	88