

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

Country: Tuvalu

TABLE 1: Monthly Rainfall

Station (include data period)	Feb-2020	Mar-2020	Apr-2020				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Nanumea (1941-2020)	788.3	398.3	212.8	197.1	273.6	228.7	33 of 80
Nui (1946-2020)	565.0	229.0	235.3	149.9	267.2	194.9	44 of 75
Funafuti (1933-2020)	644.5	130.7	273.9	185.7	314.5	237.1	53 of 88
Niulakita (1953-2020)	662.7	193.4	144.3	168.1	257.8	218.4	18 of 68

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	
Nanumea (1941-2020)	1399.4	Above normal	639.3	992.0	830.3	78 of 80	6	45	49	37	Consistent
Nui (1946-2020)	1029.3	Above normal	698.3	977.9	820.6	54 of 75	22	38	40	10	Consistent
Funafuti (1933-2020)	1049.1	Above normal	824.6	1047.7	928.1	60 of 88	18	43	39	12	Near-consistent
Niulakita (1953-2020)	1000.4	Normal	851.0	1030.4	937.3	41 of 68	36	34	30	-1	Near-consistent

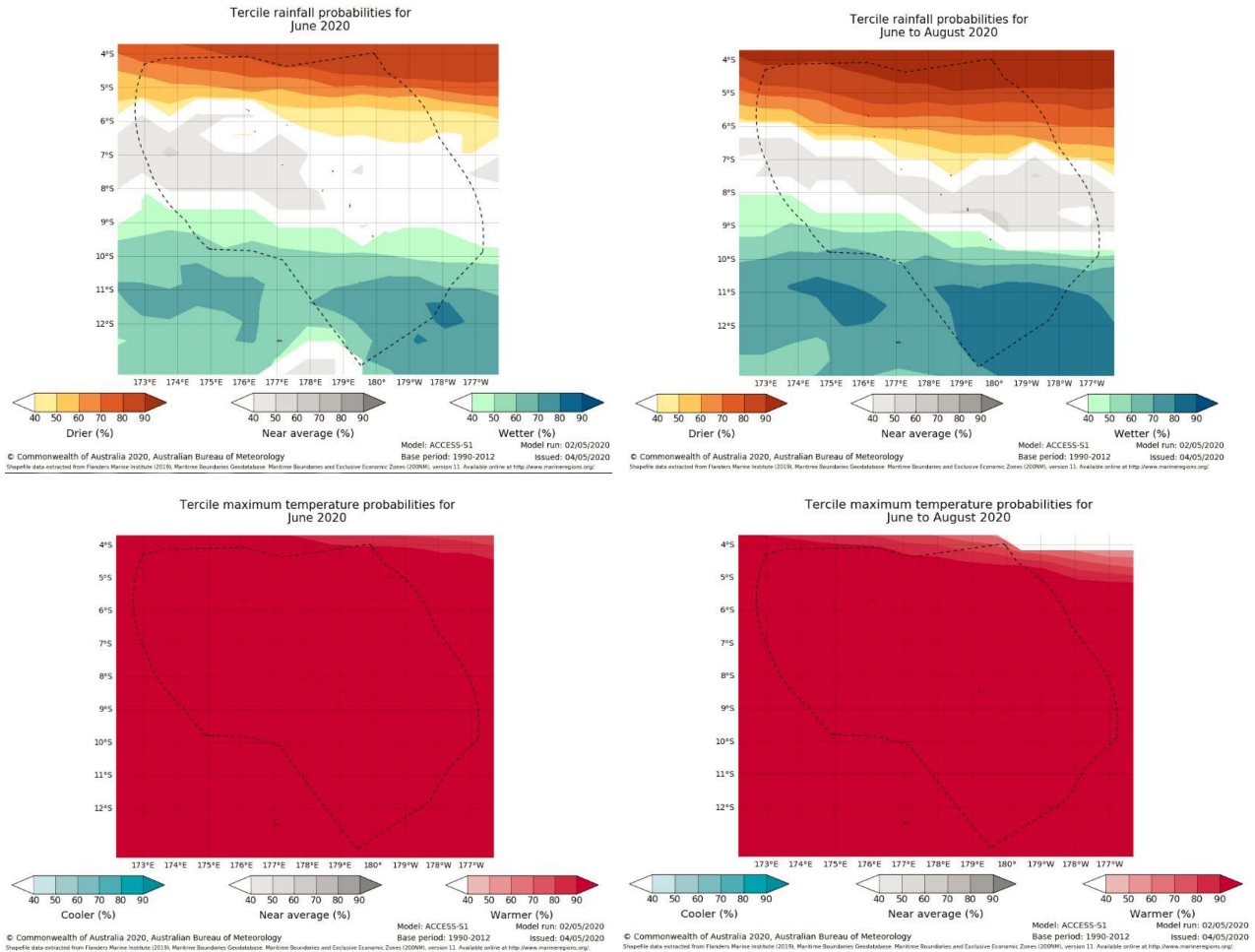
TABLE 3: Seasonal Climate Outlooks using SCOPIC for June to August 2020

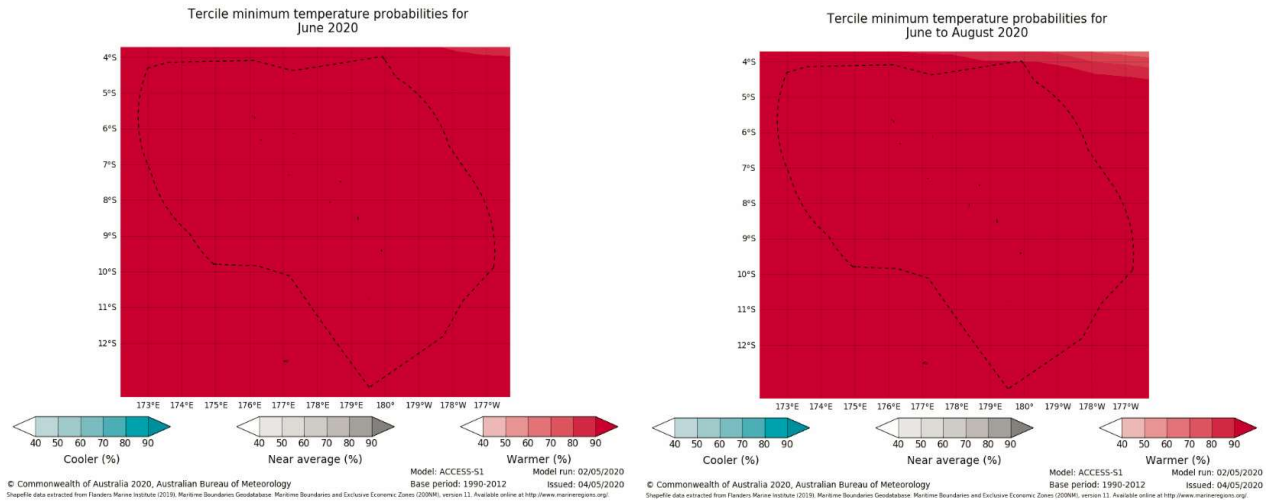
Predictor and Period used: NINO3.4 for March to April 2020

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Nanumea (1941-2020)	28	534.7	72	16	67
Nui (1946-2020)	25	646.2	75	23	70
Funafuti (1933-2020)	29	709.6	71	15	67
Niulakita (1953-2020)	42	613.3	58	3	63

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Nanumea (1941-2020)	10	410.0	34	698.7	56	23	54
Nui (1946-2020)	15	506.3	31	728.0	54	18	54
Funafuti (1933-2020)	10	586.1	41	807.1	49	18	49
Niulakita (1953-2020)	23	538.4	38	737.5	39	4	43

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





Summary Statements

Rainfall for April 2020:

Rainfall was normal at Nanumea, Nui and Funafuti, and below normal rainfall at Niulakita.

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

Rainfall was above normal at Nanumea, Nui, and Funafuti, and normal at Niulakita. The outlook verification was consistent for Nanumea and Nui, and Near-consistent for the southern stations (Funafuti and Niulakita). Nanumea recorded its third wettest February to April period on record.

Outlooks for June to August 2020:

1. SCOPIC:

The outlook for the season at Nanumea and Nui favours above normal rainfall.

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

The outlook for Niulakita shows a near-equal likelihood of above normal and normal rainfall. Below normal is the least likely. Confidence in the model ranges from high to Nanumea, Nui and Funafuti and low to Niulakita.

2. ACCESS-S:

Monthly rainfall: The outlook for June at Nanumea favours drier than average. Near-average rainfall is favoured for Nui, Funafuti and Niulakita.

Monthly maximum and minimum temperatures: The outlook favours warmer than average for the country.

Seasonal rainfall: Drier than average is favoured for Nanumea, Near-average is the most likely outcome for Nui and Funafuti, while wetter than average is favoured for Niulakita.

Seasonal maximum and minimum temperatures: The outlook favours warmer than average for the country.

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: April 2020	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin					
EAR Watch					
Monthly Climate Briefing					
Ocean Bulletin					
Total					