

# Pacific Islands - Online Climate Outlook Forum (OCOF) No. 154

Country: Tuvalu

**TABLE 1: Monthly Rainfall**

Station (include data period)	Apr-2020	May-2020	Jun-2020				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Nanumea (1941-2020)	212.8	205.7	113.1	133.0	224.8	169.5	20 of 80
Nui (1946-2020)	235.3	107.0	191.0	147.3	227.0	173.3	44 of 75
Funafuti (1933-2020)	273.9	260.1	171.7	162.4	245.4	197.1	32 of 88
Niulakita (1953-2020)	144.3	133.4	407.9	144.4	259.8	197.0	61 of 68

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

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 January-February 2020				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Nanumea (1941-2020)	531.6	Normal	524.3	769.1	624.1	27 of 80	22	30	48	23	Near- consistent
Nui (1946-2020)	533.3	Normal	497.9	739.6	583.6	28 of 75	28	31	41	6	Near- consistent
Funafuti (1933-2020)	705.7	Normal	628.2	811.5	707.7	45 of 88	15	38	47	26	Near- consistent
Niulakita (1953-2020)	685.6	Normal	573.6	757.0	653.0	38 of 68	25	35	40	7	Near- consistent

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

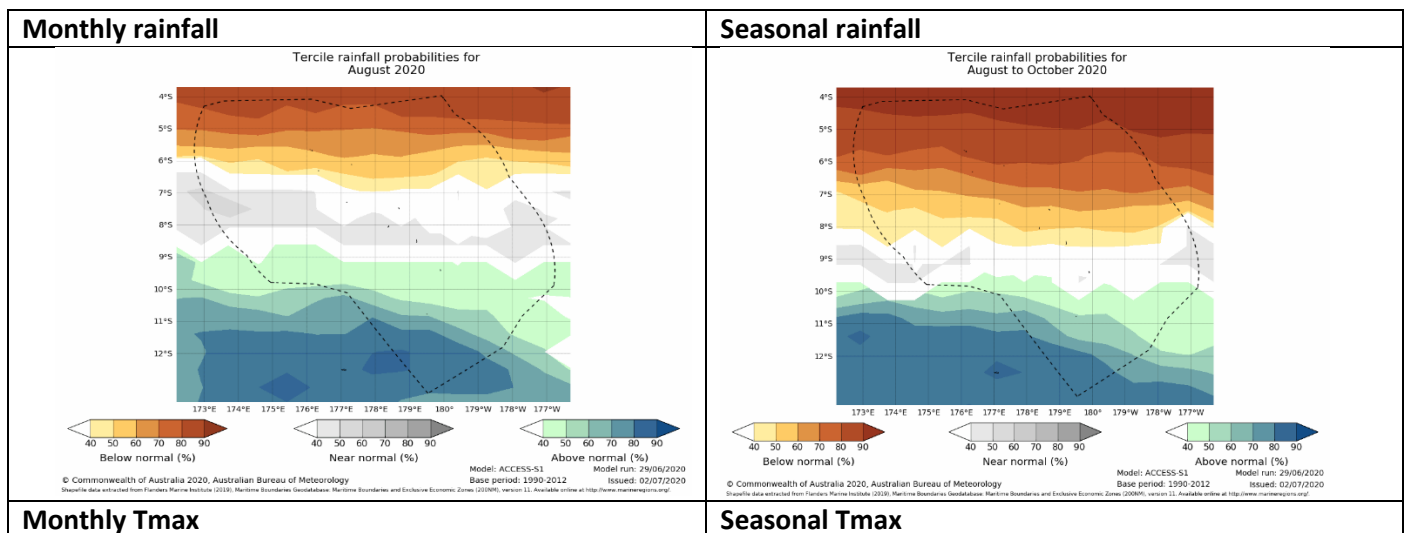
Predictor and Period used: NINO3.4 for May to June 2020

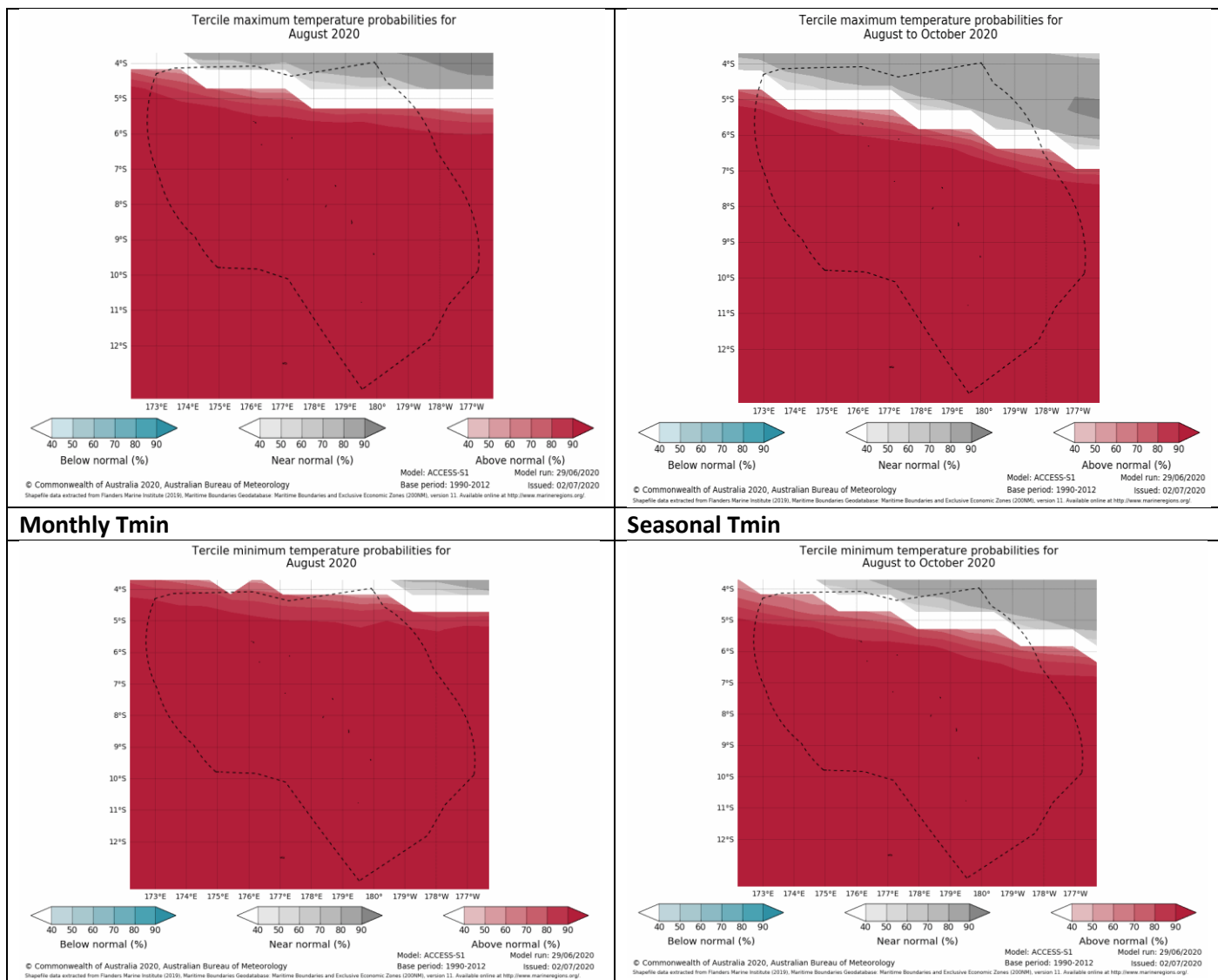
Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Nanumea (1941-2020)	56	494.7	44		26	70
Nui (1946-2020)	57	567.2	43		33	70
Funafuti (1933-2020)	55	675.9	45		22	67
Niulakita (1953-2020)	52	679.0	48		2	63

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)	35	331.0	44	614.0	21	32	63
Nui (1946-2020)	32	461.0	37	711.7	31	25	57
Funafuti (1933-2020)	36	606.2	39	798.4	25	19	54
Niulakita (1953-2020)	34	577.0	33	829.2	33	1	45

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

The maps are provided in the PowerPoint document labelled ACCESS-S outlooks\_2020-06





## Summary Statements

### Rainfall for June 2020:

Nanumea collected below normal rainfall, Nui and Funafuti had normal rainfall, while above normal rainfall was recorded at Niulakita.

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

Normal rainfall collected at all stations with a near-consistent verification of the outlook issued in March.

### Outlooks for August to October 2020:

#### 1. SCOPIC:

The outlook for the season at Nanumea shows normal rainfall as the most likely outcome, with below normal rainfall as the next most likely. Above normal as the least likely.

The outlook at Funafuti shows a near -equal likelihood of normal and below normal rainfall. Above normal rainfall is the least likely.

The outlook for the season at Nui and Niulakita offers little guidance of below normal, normal and above normal rainfall are similar.

The confidence in the outlook is very high at Nanumea and Nui, high at Funafuti with low confidence at Niulakita.

## 2. ACCESS-S:

### Monthly rainfall:

The outlook for August at Nanumea favours below normal rainfall, while the opposite is true at Niulakita where above normal rainfall is favoured. Near-normal rainfall is the most likely outcome at Funafuti, while at Nui the outlook offers little guidance.

### Monthly maximum and minimum temperatures:

The outlook favours above normal temperatures for August.

### Seasonal rainfall:

The August to October outlook favours below normal rainfall at Nanumea, Nui and Funafuti, but above normal rainfall is favoured at Niulakita.

### Seasonal maximum and minimum temperatures:

The outlook favours above normal seasonal temperatures.

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