

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 164

Country: Marshall Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Feb-2021	Mar-2021	Apr-2021				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Majuro (1954-2021)	98.8	381.0	322.8	200.9	323.0	250.6	45/67
Kwajalein (1945-2021)	50.0	156.2	232.9	119.2	203.1	147.0	55/77

TABLE 2: Three-month Rainfall for February to April 2021

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 November-December 2020				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Majuro (1954-2021)	802.6	Above normal	558.4	784.7	659.9	48/67	21	29	50	9	Consistent
Kwajalein (1945-2021)	439.1	Above normal	256.9	434.2	364.1	52/77	18	32	50	9	Consistent

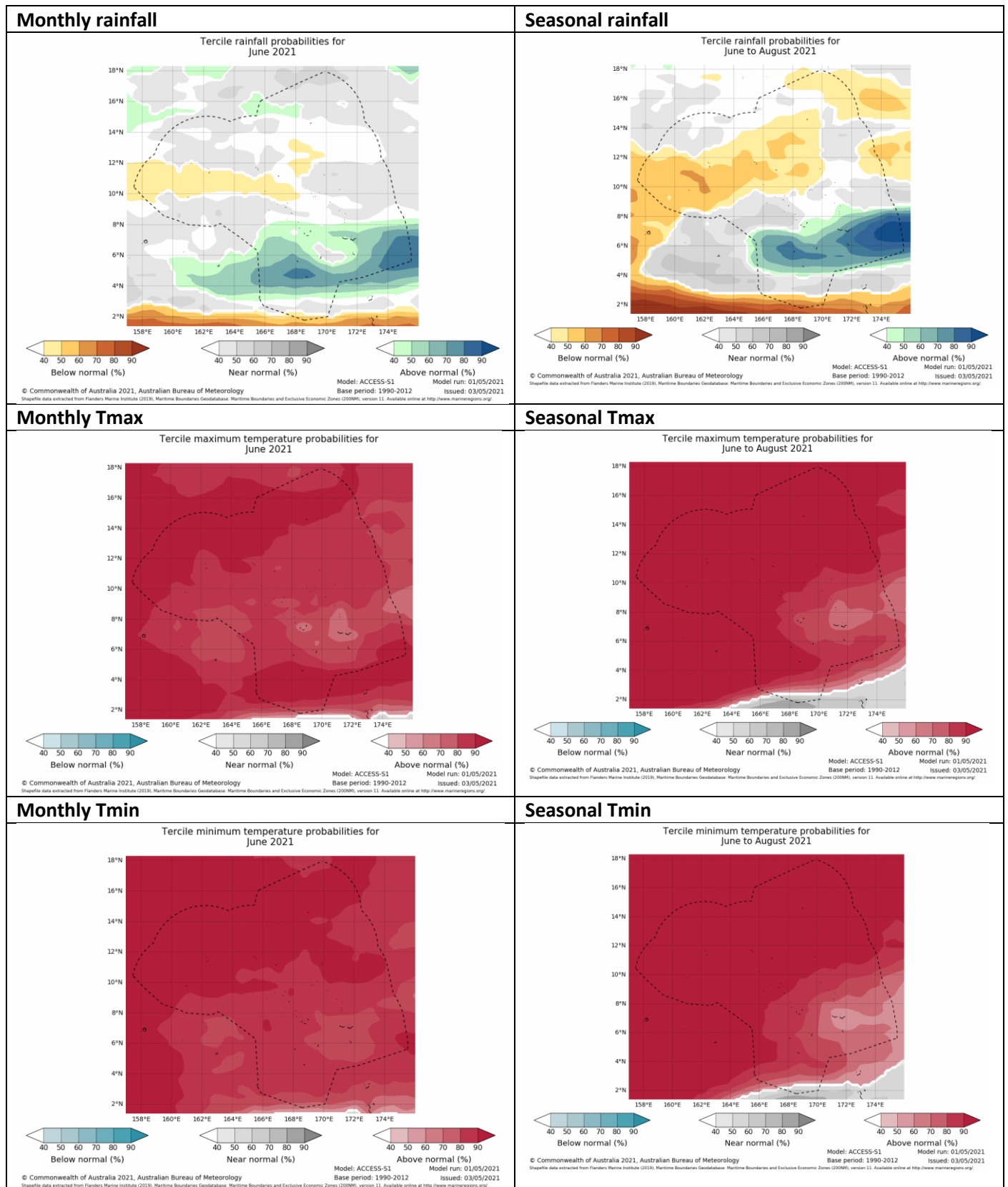
TABLE 3: Seasonal Climate Outlooks using SCOPIC for June to August 2021

Predictor and Period used: NINO3.4 for March to April 2021

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Majuro (1954-2021)	48	878.2	52		-1	51
Kwajalein (1945-2021)	42	724.6	58		2	56

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Majuro (1954-2021)	29	810.8	34	962.9	37	-1	21
Kwajalein (1945-2021)	35	672.1	30	824.2	35	-1	23

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



Summary Statements

Rainfall for April 2021:

Normal rainfall was recorded at Majuro while above normal was recorded at Kwajalein for the month of April 2021.

Accumulated rainfall for February to April 2021, including outlook verification:

During the period of February and April, above normal rainfall was recorded at both Majuro and Kwajalein. The outlook issued in January was verified as consistent at both stations.

Outlooks for June to August 2021:

1. SCOPIC:

The seasonal outlook for June to August offers little guidance as the chances of above normal, normal and below normal are similar for both Majuro and Kwajalein.

2. ACCESS-S:

Monthly rainfall:

The monthly outlook for **June** favours normal rainfall across most parts of the Marshall Islands, including Kwajalein, although above normal rainfall is favoured over southern areas, including Majuro.

Monthly maximum/minimum temperatures:

The monthly maximum and minimum temperatures outlook for June favours above normal for the Marshall Islands, including Kwajalein and Majuro.

Seasonal rainfall:

The seasonal outlook for **June to August** favours above normal rainfall for the southern islands, including Majuro. Kwajalein is in an area where near-normal rainfall is the most likely outcome, while below normal is favoured over most parts further north.

Seasonal maximum/minimum temperatures:

The seasonal outlook for June to August, favours above normal temperatures for most of the islands, including Majuro and Kwajalein.

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 2021	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin					
EAR Watch					
Monthly Climate Briefing	04/16/2021	NDMO	5	2	3
Ocean Bulletin					
Total			5	2	3