

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 166

Country: Marshall Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Apr-2021	May-2021	Jun-2021				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Majuro (1954-2021)	322.8	731.8	235.7	243.2	330.8	289.2	20/68
Kwajalein (1945-2021)	232.9	214.6	117.1	175.9	262.0	205.4	6/77

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

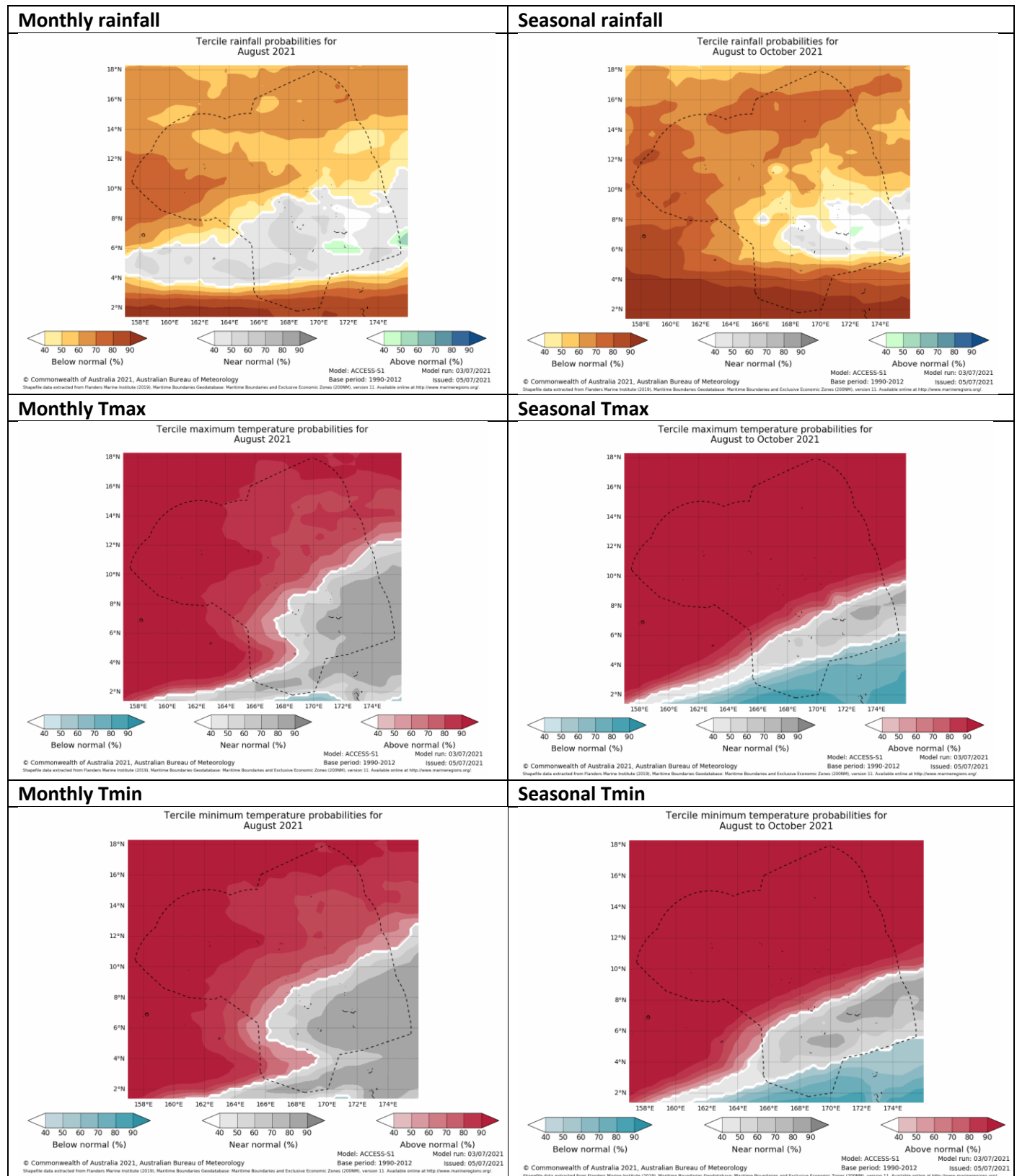
Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 January-February 2021				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Majuro (1954-2021)	1290.3	Above normal	673.7	975.3	838.5	64/67	29	30	41	1	Consistent
Kwajalein (1945-2021)	564.6	Normal	505.8	723.6	614.3	34/77	25	35	40	2	Near- consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for August to October 2021**Predictor and Period used: NINO3.4 for May to June 2021**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Majuro (1954-2021)	48	972.2	52		2	58
Kwajalein (1945-2021)	50	857.2	50		-1	20

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)	32	880.4	33	1036.2	35	2	37
Kwajalein (1945-2021)	34	756.5	32	901.3	34	-1	38

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



Summary Statements

Rainfall for June 2021:

Below normal rainfall was recorded at both Majuro and Kwajalein for the month of June 2021. Kwajalein recorded its sixth driest June on record.

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

During the period of April to June, above normal rainfall was recorded at Majuro and normal rainfall recorded at Kwajalein. Majuro recorded its fourth wettest April to June on record. The outlook verification was consistent at Majuro but near-consistent at Kwajalein.

Outlooks for August to October 2021:

1. SCOPIC:

The seasonal outlook for August to October 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 August favours below normal rainfall across northern Marshall Islands, including Kwajalein. Normal rainfall is favoured at the southern part including Majuro.

Monthly maximum/minimum temperatures:

The monthly maximum and minimum temperature outlook for August favours above normal across most of the Marshall Islands, including Kwajalein in the north. The exception of normal temperature is favoured at further southeast where Majuro is located.

Seasonal rainfall:

The seasonal outlook for August to October favours below normal rainfall for most of the Marshall Islands including Kwajalein. Near-normal rainfall is favoured at the area southeast of Kwajalein where Majuro is located.

Seasonal maximum/minimum temperatures:

The seasonal outlook for August to October, favours above normal temperatures for most of the islands, including Kwajalein, except the area where Majuro is located favours normal temperatures. Further south of Majuro, there is an area that favours below normal temperatures during that particular season.

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 2021	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin					
EAR Watch					
Monthly Climate Briefing	06/24/2021	NDMO	5	2	3
Ocean Bulletin					
Total			5	2	3