

# Pacific Islands - Online Climate Outlook Forum (OCOF) No. 165

Country: Marshall Islands

**TABLE 1: Monthly Rainfall**

Station (include data period)	Mar-2021	Apr-2021	May-2021				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Majuro (1954-2021)	381.0	322.8	731.8	216.8	326.3	274.2	67/67
Kwajalein (1945-2021)	157.7	232.9	214.6	163.7	271.3	206.9	42/77

TABLE 2: Three-month Rainfall for March to May 2021

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 Dec 2020-Jan 2021				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Majuro (1954-2021)	1435.6	Above normal	631.5	886.7	748.1	64/67	29	31	40	1	Consistent
Kwajalein (1945-2021)	605.2	Normal	375.4	636.8	460.0	52/77	20	38	42	5	Near- consistent

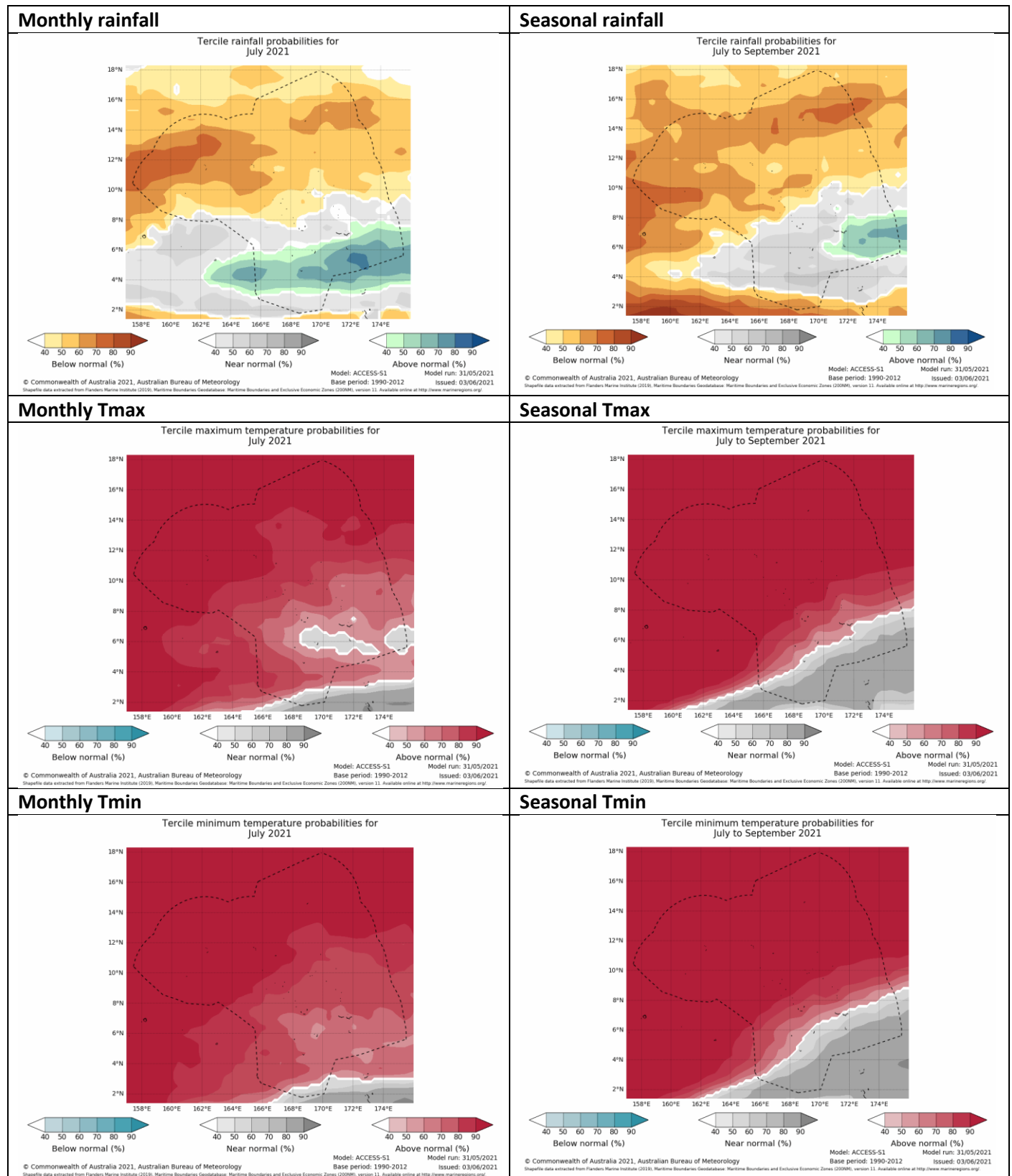
**TABLE 3: Seasonal Climate Outlooks using SCOPIC for July to September 2021**

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

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Majuro (1954-2021)	48	901.9	52		-1	52
Kwajalein (1945-2021)	52	774.9	48		-1	52

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)	31	830.3	34	974.3	35	-1	34
Kwajalein (1945-2021)	35	729.6	34	849.4	31	-1	24

**TABLE 4: Monthly and Seasonal Climate Outlooks using ACCESS-S for July to September 2021**



## **Summary Statements**

### **Rainfall for May 2021:**

Above normal rainfall was recorded at Majuro while normal was recorded at Kwajalein for the month of May 2021. Majuro had its wettest May on record.

### **Accumulated rainfall for March to May 2021, including outlook verification:**

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

### **Outlooks for July to September 2021:**

#### **1. SCOPIC:**

The seasonal outlook for July to September 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 July favours below normal rainfall across most of the Marshall Islands, including Kwajalein. Normal rainfall is favoured for Majuro and above normal rainfall is favoured for some southern Marshall islands.

##### **Monthly maximum/minimum temperatures:**

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

##### **Seasonal rainfall:**

The seasonal outlook for July to September favours below normal rainfall for most of the Marshall Islands including Kwajalein. Near-normal rainfall is the most likely outcome at the central islands including Majuro, while above normal is favoured for the eastern parts.

##### **Seasonal maximum/minimum temperatures:**

The seasonal outlook for July to September, 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**

<b>Product</b>	<b>Date: May 2021</b>	<b>Stakeholder</b>	<b>Total Number of Participants</b>	<b>Number of male</b>	<b>Number of female</b>
Climate Bulletin					
EAR Watch					
Monthly Climate Briefing	May 20, 2021	NDMO	5	2	3
Ocean Bulletin					
<b>Total</b>			5	2	3