

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

Country: Marshall Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Feb-2020	Mar-2020	Apr-2020				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Majuro (1954-2020)	284.2	135.1	354.3	197.5	322.2	241.9	48/66
Kwajalein (1945-2020)	104.7	39.1	194.1	114.3	199.7	146.5	50/76

**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	
Majuro (1954-2020)	773.6	Normal	557.5	784.9	652.7	43/66	40	37	23	9	Near- consistent
Kwajalein (1945-2020)	337.9	Normal	251.1	427.8	363.8	37/76	42	35	23	10	Near- consistent

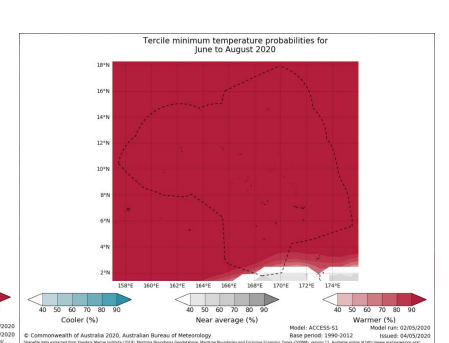
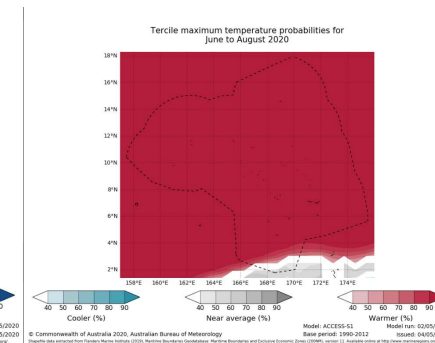
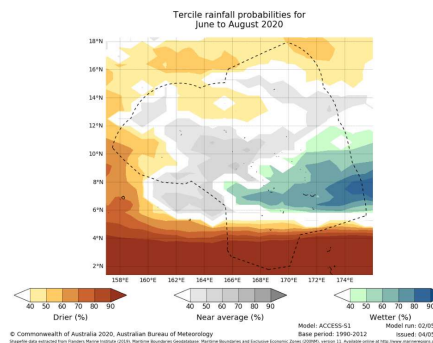
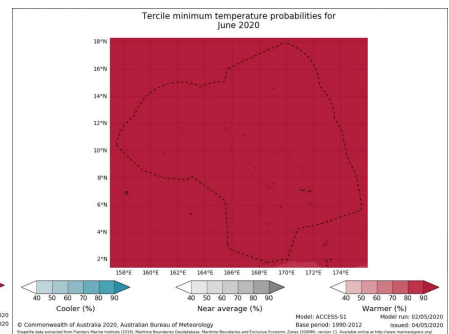
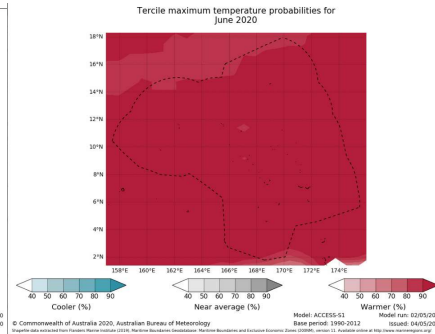
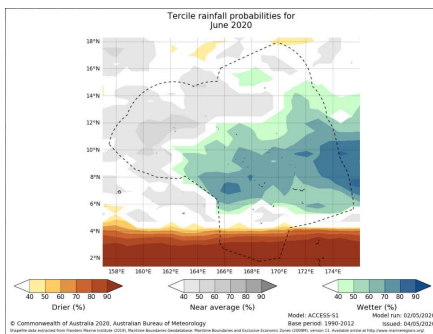
**TABLE 3: Seasonal Climate Outlooks using SCOPIC for June to August 2020**

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]
Majuro (1954-2020)	55	876.5	45		-1	53
Kwajalein (1945-2020)	58	724.6	42		1	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 (1954-2020)	39	806.5	31	968.3	30	-1	21
Kwajalein (1945-2020)	32	665.7	36	819.5	32	-1	46

**Monthly and Seasonal Climate Outlooks using ACCESS-S for May to July 2020**



## **Summary Statements**

### **Rainfall for April 2020:**

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

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

Normal-rainfall was recorded at both stations for the period of February to April.

The outlook verification was near-consistent at both stations. The skill for Majuro was moderate, while Kwajalein was good.

### **Outlooks for June to August 2020:**

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

The seasonal outlook for both Majuro and Kwajalein offer little guidance as the chances of above-normal, normal, and below-normal are similar.

#### **2. ACCESS-S:**

##### **Monthly rainfall:**

The monthly outlook shows wetter than average rainfall with 60 to 70 percent wetter than average at Majuro, while Kwajalein favours 70 to 80 percent chance of wetter than average.

##### **Monthly maximum temperature:**

The outlook for June shows warmer than average is favoured at both stations.

##### **Monthly minimum temperature:**

The outlook favours warmer than average for the month of June at both Majuro and Kwajalein.

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

The seasonal outlook for the next three months, 70 to 80 percent chance of wetter than average is favoured at Majuro, while 60 to 70 percent of wetter than average is favoured at northern parts of Kwajalein, and 70 to 80 percent in the southern parts of the atoll.

##### **Seasonal maximum temperature:**

The maximum temperature outlook for the next three months is favoured to be warmer than average at both Majuro and Kwajalein.

##### **Seasonal minimum temperature:**

The seasonal minimum temperature is favoured to be warmer than average at both stations.

**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: April 2020</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	04/20/20	Chief Secretary Office and National Disaster Management Office	4	2	2
Ocean Bulletin					
<b>Total</b>			4	2	2