

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 141

Country: Marshall Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Mar-2019	Apr-2019	May-2019				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Majuro (1954-2019)	171.2	84.8	410.0	211.9	318.4	269.6	57/65
Kwajalein (1945-2019)	31.0	29.0	272.0	163.9	276.8	206.9	50/75

**TABLE 2: Three-month Rainfall for March to May 2019**

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 December 18-January 19				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Majuro (1954-2019)	666.0	Normal	622.2	884.9	748.1	26/65	40	33	27	1	Near-consistent
Kwajalein (1945-2019)	332.0	Below normal	375.4	621.3	493.3	22/75	46	27	27	6	Consistent

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for July to September 2019**

Predictor and Period used: NINO3.4 for April to May 2019

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Majuro (1954-2019)	50	905.0	50		-2	32
Kwajalein (1945-2019)	45	780.4	55		-1	54

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 (1954-2019)	38	830.3	31	981.2	31	-2	31
Kwajalein (1945-2019)	27	725.3	29	851.5	44	0	45

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for July to September 2019**

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Majuro	82	826.0	6	968.0	12
Kwajalein	91	747.0	5	852.0	4

## **Summary Statements**

### **Rainfall for May 2019:**

Majuro recorded above-normal rainfall and normal rainfall was recorded at Kwajalein.

### **Accumulated rainfall for March to May 2019, including outlook verification:**

Normal rainfall was recorded at Majuro while below normal occurred at Kwajalein.

The outlook verification was near-consistent at Majuro and consistent at Kwajalein. The skill at Majuro was moderate and the skill for Kwajalein was low.

### **Outlooks for July to September 2019:**

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

The outlook for Kwajalein shows above-normal rainfall as the most likely outcome, with normal rainfall the next most likely. Below-normal rainfall is the least likely.

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

#### **2. POAMA:**

The seasonal outlook favours below-normal rainfall for both 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 2019</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	17 May 2019	Office of the Chief SecretaryOffice(CSO) and National Disaster MangementOffice(NDMO)	3	2	1
Ocean Bulletin					
<b>Total</b>			<b>3</b>	<b>2</b>	<b>1</b>