

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 143

Country: Marshall Islands

TABLE 1: Monthly Rainfall

Station (include data period)	May-2019	Jun-2019	Jul-2019				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Majuro (1954-2019)	410.0	287.3	180.8	261.7	359.3	301.5	4/66
Kwajalein (1945-2019)	272.0	120.9	121.2	221.0	282.5	248.9	2/75

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

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 February-March 2019				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Majuro (1954-2019)	878.1	Normal	780.8	949.9	842.0	39/65	34	44	22	0	Consistent
Kwajalein (1945-2019)	514.1	Below normal	586.1	800.1	698.1	15/75	41	29	30	0	Consistent

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for September to November 2019**  
**Predictor and Period used: NINO3.4 for June to July 2019**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Majuro (1954-2019)	63	988.7	37		7	60
Kwajalein (1945-2019)	59	845.6	41		3	59

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)	39	891.9	38	1090.1	23	4	42
Kwajalein (1945-2019)	42	787.8	37	932.7	21	5	41

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

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Majuro	67	877.0	5	1017.0	28
Kwajalein	45	780.0	13	884.0	42

## **Summary Statements**

### **Rainfall for July 2019:**

Both stations recorded below-normal rainfall for the month. Majuro recorded 4<sup>th</sup> driest July while Kwajalein recorded the 2<sup>nd</sup> driest.

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

Normal rainfall was recorded at Majuro while Kwajalein recorded below-normal rainfall for the period of May to July.

The outlook verification was consistent with low skill at both stations.

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

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

The seasonal outlook for Majuro shows a near-equal likelihood of below-normal and normal rainfall. Above-normal rainfall is the least likely. The outlook for Kwajalein shows below-normal rainfall as the most likely outcome with normal the next most likely. Above-normal rainfall is the least likely.

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

The seasonal outlook favours below normal rainfall for Majuro, while for Kwajalein the outlook is mixed with near-equal chances of below normal and above normal rainfall.

**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: July 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	July 19	Chief Secretary Office and National Disaster Management Office	4	2	2
Ocean Bulletin					
<b>Total</b>			4	2	2