

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 126

**Country Name:** Republic of the Marshall Islands (RMI)

**TABLE 1: Monthly Rainfall**

Station (include data period)	February 2018						
	December 2017 Total	January 2018 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Majuro	497.6	400.3	210.6	110.8	239.4	165.2	40/64
Kwajalein	119.9	367.3	106.7	36.0	92.3	67.6	53/74

**TABLE 2: Three-monthly Rainfall  
December 2017 to February 2018**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #122]

Station	Three-month Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking	Forecast probs.* (include LEPS)	Verification* (Consistent, Near-consistent Inconsistent)?
Majuro	1108.5	579.4	747.4	660.7	62/64	27/36/ <b>37</b> (9.1%)	-Consistent
Kwajalein	593.9	318.4	434.5	392.3	64/72	24/ <b>38/38</b> (9.9%)	Near-Consistent

Period: \*below normal/normal/above normal

Predictors and Period used for December 2017 to February 2018 Outlooks (refer to OCOF #122): Nino 3.4 SSTA for September-October 2017

\* Forecast is consistent when observed and predicted (tercile with the highest probability) categories coincide (are in the same tercile).

Forecast is near-consistent when observed and predicted (tercile with the highest probability) differ by only one category (i.e. terciles 1 and 2 or terciles 2 and 3).

Forecast is inconsistent when observed and predicted (tercile with the highest probability) differ by two categories (i.e. terciles 1 and 3).

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for April to June 2018**

**Predictors and Period used:** Nino 3.4 SSTA for January-February 2018

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Majuro	48%	835.7	52%		-1.3	42.9
Kwajalein	42%	610.1	58%		2.7	51.5

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	67%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Majuro	27%	669.4	33%	955.1	40%	1.1%	23.3%
Kwajalein	27%	507.4	35%	715.6	38%	0.9%	38.2%

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for April to June 2018**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	67%ile rainfall (mm)	Upper Tercile (prob)		
Majuro	33%	638.0	18%	901.0	49%		
Kwajalein	12%	402.0	6%	706.0	82%		

## **Summary Statements**

### **Rainfall for February 2018:**

Normal rainfall was recorded at Majuro, while Kwajalein's total was above normal.

### **Accumulated rainfall for December 2017 to February 2018, including outlook verification:**

Both stations recorded above normal rainfall during the period of December to February.

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

### **Outlooks for April to June 2018:**

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

The seasonal rainfall outlook for April to June for Majuro shows above normal rainfall as the most likely outcome, with normal rainfall the next most likely, and below normal rainfall is the least likely. The outlook for Kwajalein shows a near-equal likelihood of above-normal rainfall and normal rainfall. Below-normal is the least likely.

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

The seasonal rainfall outlook for Majuro shows above normal rainfall as the most likely outcome, with below normal rainfall the next most likely, and normal rainfall is the least likely. The outlook for Kwajalein favours 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:  $X \geq 35$