

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 119

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

**TABLE 1: Monthly Rainfall**

Station (include data period)	July 2017						
	May 2017 Total	June 2017 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
MAJURO	125.2	331.0	318.0	261.7	359.3	300.9	36/64
KWAJALEIN	132.1	274.3	175.5	223.0	287.7	252.8	10/73

**TABLE 2: Three-monthly Rainfall  
May to July 2017**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #115]

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	774.2	782.7	944.9	842.0	20/63	34%/33%/33% (-0.3)	Near-Consistent
KWAJALEIN	581.9	589.4	799.5	698.1	24/73	33%/33%/34% (-0.1)	Near-Consistent

Period: \*below normal/normal/above normal

Predictors and Period used for May to July 2017 Outlooks (refer to OCOF #115):

2-Months NINO3.4SSTA (February to March 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 September to November 2017**

**Predictors and Period used:** 2-Month NINO3.4SSTA (June to July 2017)

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
MAJURO	57%	988.7	43%		7.3%	65.1%
KWAJALEIN	55%	845.6	45%		1.7%	53.7%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	67%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
MAJURO	37%	896.5	36%	1088.6	27%	2.6%	27.0%
KWAJALEIN	38%	788.1	37%	931.8	25%	4.5%	38.8%

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for September to November 2017**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	67%ile rainfall (mm)	Upper Tercile (prob)		
MAJURO	79%	877.0	9%	1017.0	12%		
KWAJALEIN	52%	780.0	18%	884.0	30%		

## **Summary Statements**

### **Rainfall for July 2017:**

Rainfall for July 2017 for the RMI was recorded normal rainfall at Majuro and below normal rainfall at Kwajalein.

### **Accumulated rainfall for May to July 2017, including outlook verification:**

Accumulated rainfall for May to July 2017 for RMI was recorded below normal rainfall at both Majuro and Kwajalein.

The outlook verification was near-consistent at both Majuro and Kwajalein.

### **Outlooks for September to November 2017:**

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

The seasonal rainfall outlooks for the next three months shows near-equal chances of below-normal and normal rainfall for both Majuro and Kwajalein, with above-normal rainfall the next most likely outcome.

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

The seasonal rainfall outlooks for the next three months using POAMA model favours shows below-normal 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:  $X \geq 35$