

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 109

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

**TABLE 1: Monthly Rainfall**

Station (include data period)	September 2016						
	July 2016 Total	August 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
MAJURO	256.3	223.0	348.7	252.7	367.5	308.2	38/63
KWAJALEIN	253.0	206.2	175.3	230.9	301.0	269.3	7/72

**TABLE 2: Three-monthly Rainfall  
July to September 2016**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #105]

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	828.0	830.3	981.2	903.4	20/63	36%/34%/30% (-1.6%)	CONSISTENT
KWAJALEIN	634.5	725.3	849.4	774.9	12/72	24%/34%/42% (-0.2%)	INCONSISTENT

Period: \*below normal/normal/above normal

Predictors and Period used for July to September 2016 Outlooks (refer to OCOF #105):

2 MONTHS NINO3.4SST (APR-MAY 2016)

\* 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 November 2016 to January 2017**

**Predictors and Period used:** 2 MONTHS NINO3.4SST (AUG-SEPT 2016)

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
MAJURO	43%	836.2	57%		6.9%	66.1%
KWAJALEIN	48%	595.4	52%		-0.7%	53.8%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
MAJURO	26%	727.3	35%	912.5	39%	6.5%	45.2%
KWAJALEIN	29%	525.3	36%	648.5	35%	-0.3%	33.8%

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for November 2016 to January 2017**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
MAJURO							
KWAJALEIN							

## **Summary Statements**

### **Rainfall for September 2016:**

Rainfall for September 2016 for the RMI was normal at Majuro and below normal rainfall at Kwajalein.

### **Accumulated rainfall for July to September 2016, including outlook verification:**

Accumulated rainfall for last three (3) months was below normal rainfall at both stations.

The outlook verification was consistent at Majuro and inconsistent at Kwajalein.

### **Outlooks for November 2016 to January 2017:**

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

Rainfall outlooks for the next three months favour above normal rainfall at Majuro with normal rainfall the next most likely outcome.

For Kwajalein, the seasonal rainfall outlook shows a near equal likelihood of above-normal normal and below normal rainfall.

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

**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:  $X \geq 35$