

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 90

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

### TABLE 1: Monthly Rainfall

Station (include data period)	February 2015						
	December 2014 Total	January 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Majuro	195.1	209.3	109.7	111.9	239.8	169.1	19/61
Kwajalein	115.3	59.2	100.1	36.0	89.0	66.5	70/70

### TABLE 2: Three-monthly Rainfall December 2014 to February 2015

[Please note that the data used in this verification should be sourced from table 3 of OCOF #86]

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	514.1	585.6	747.4	665.7	17/61	39/34/27 (1.9%)	Consistent
Kwajalein	274.6	319.0	433.8	392.3	57/69	46/21/33 (16.2%)	Consistent

Period: \*below normal/normal/above normal

Predictors and Period used for December 2014 to February 2015 Outlooks (refer to OCOF #86): Nino 3.4SST Anomalies (September to October 2014)

\* 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 2015**

**Predictors and Period used:** Nino 3.4SST Anomalies January to February (2 months)

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Majuro	51%	838.5	49%		-1.6%	31.7%
Kwajalein	56%	612.2	44%		1.4%	52.3%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Majuro	37%	669.4	36%	955.1	27%	0.3%	23.3%
Kwajalein	36%	524.1	34%	715.6	30%	-0.1%	38.5%

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for  
April to June 2015**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Majuro	30%	638.0	52%	901.0	18%		
Kwajalein	40%	402.0	21%	706.0	39%		

## **Summary Statements**

### **Rainfall for February 2015:**

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

### **Accumulated rainfall for December 2014 to February 2015, including outlook verification:**

- Rainfall for the last three (3) months was recorded below normal at Majuro and Kwajalein. The December to February SCOPIC outlook was consistent with observed rainfall at both locations.

### **Outlooks for April to June 2015:**

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

- There are near equal chances of below normal and normal rainfall for both stations. Normal rainfall is the second most likely.

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

- The most likely outcome is normal rainfall for Majuro, with a mixed outlook for Kwajalein, showing similar chances for 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:  $X \geq 35$