

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 87

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

**TABLE 1: Monthly Rainfall**

Station (include data period)	November 2014						
	September 2014 Total	October 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Majuro	379.2	283.0	274.3	292.5	384.0	331.4	15/61
Kwajalein	241.0	436.1	224.8	233.4	327.7	277.4	22/70

**TABLE 2: Three-monthly Rainfall  
September to November 2014**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #83]

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	936.5	896.5	1088.6	991.5	23/61	34/34/32 (-2.5)	Consistent
Kwajalein	901.9	785.6	931.8	839.5	43/70	37/33/30 (-2.0)	Near Consistent

Period: \*below normal/normal/above normal

Predictors and Period used for September to November 2014 Outlooks (refer to OCOF #83): Nino3.4SST Anomalies (May to June 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  
January to March 2015**

**Predictors and Period used:** Nino3.4SST Anomalies October to November (2months)

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Majuro	62%	581.9	38%		12.8%	68.8%
Kwajalein	71%	239.6	29%		24.9%	75.0%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Majuro	46%	487.0	33%	682.2	21%	17.6%	50.0%
Kwajalein	53%	202.2	32%	319.4	15%	32.4%	53.1%

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for  
January to March 2015**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Majuro	42%	591.0	6%	784.0	52%		
Kwajalein	43%	299.0	24%	423.0	33%		

**Summary Statements**

**Rainfall for November 2014:**

Below normal rainfall recorded at both Majuro and Kwajalein with totals of 274.3mm for Majuro and 224.8mm for Kwajalein.

**Accumulated rainfall for September to November 2014, including outlook verification:**

Normal rainfall for the last three (3) months recorded at both stations. The September to November SCOPIC outlook was consistent for Majuro and near consistent for Kwajalein.

**Outlooks for January to March 2015:**

**1. SCOPIC:**

The seasonal rainfall outlook for January to March 2015 shows below normal rainfall to be the most likely outcome for both Majuro and Kwajalein. The next most likely category for both stations is normal rainfall.

**2. POAMA:**

The seasonal rainfall outlook for the next three (3) months-January to March 2015 using POAMA dynamical model shows below normal is the most likely category for both Kwajalein. The next most likely category is for both stations is above normal rainfall with normal the least category. For Majuro the most likely category is above normal rainfall with below normal the next most likely.

**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:  $X \geq 35$