

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 78

**Country Name:** Republic of the Marshall Islands

### TABLE 1: Monthly Rainfall

Station (include data period)			February 2014				
	December 2013 Total	January 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Majuro Nino3.4sst	146.3	245.4	309.6	117.0	250.3	176.7	24/33
Kwajalein Nino3.4sst	66.5	96.8	351	35.4	87.9	65.3	70/70

### TABLE 2: Three-monthly Rainfall December 2013 to February 2014

[Please note that the data used in this verification should be sourced from table 3 of OCOF #74]

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 Nini3.4sst	701.3	600.7	754.4	674.9	17/32	31/34/35 (3.8%)	N-Consistent
Kwajalein	514.3	318.4	430.8	381.4	57/69	28/34/37 (4%)	Consistent

Period: \*below normal/normal/above normal

Predictors and Period used for December 2013 to February 2014 Outlooks (refer to OCOF #74): Nino3.4sst Anomalies from August to October

\* 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 2014**

**Predictors and Period used:** Nino3.4sst Anomalies from December to February

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Majuro Nino3.4sst	52%	685.7	48%		-2.1%	59.4%
Kwajalein Nino3.4sst	46%	610.1	54%		0.8%	52.4%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Majuro Nino3.4sst	30%	646.9	37%	850.3	33%	-2.1%	31.3%
Kwajalein Nino3.4sst	32%	518.5	31%	706.6	37%	-0.4%	41.3%

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for  
April to June 2014**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Majuro (POAMA)	9%	567	27%	879	64%		
Kwajalein (POAMA)	5%	272	13%	568	82%		

## **Summary Statements**

### **Rainfall for February 2014:**

-Rainfall recorded for both Majuro and Kwajalein was above normal rainfall.

### **Accumulated rainfall for December 2013 to February 2014, including outlook verification:**

-Three months rainfall outlook for December to February was above normal rainfall for both Majuro and Kwajalein.

-Observe rainfall was normal for Majuro and above normal for Kwajalein. Verification was near consistent for Majuro and Consistent for Kwajalein.

### **Outlooks for April-June 2014:**

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

-Rainfall for next three months using NINO3.4 SST Anomalies shows that the most likely outcome is normal for Majuro and above normal for Kwajalein.

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

-The POAMA seasonal rainfall outlook for April to June 2014 shows that the most likely outcome is above 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:  $X \geq 35$