

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 84

Country Name: Republic of the Marshall Islands (RMI)

TABLE 1: Monthly Rainfall

Station (include data period)	August 2014						
	June 2014 Total	July 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Majuro	250.44	571.25	244.60	261.7	322.9	289.6	19/61
Kwajalein	183.39	301.75	142.49	195.7	293.7	240.1	6/70

**TABLE 2: Three-monthly Rainfall
June to August 2014**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #80]

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	1066.29	785.0	905.2	852.3	50/61	40/31/29 (2.7)	Inconsistent
Kwajalein	627.63	672.1	819.5	730.8	20/70	35/31/34 (-0.6)	Consistent

Period: *below normal/normal/above normal

Predictors and Period used for June to August 2014 Outlooks (refer to OCOF #79):

NINO3.4 SST Anomalies February to April

* 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
October to December 2014**

Predictors and Period used: NINO3.4 (2 Months) July-August

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Majuro	52%	979.9	48%		11.7%	65.0%
Kwajalein	51%	781.7	49%		1.0%	51.6%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Majuro	33%	886.7	37%	1076.6	30%	14.5%	53.3%
Kwajalein	34%	725.6	34%	862.8	32%	0.8%	34.4%

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
October to December 2014**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Majuro	6%	877	6%	1017	88%		
Kwajalein	45%	780	5%	884	50%		

Summary Statements

Rainfall for August 2014:

Rainfall recorded at Majuro and Kwajalein in August was below normal with totals of 244.60mm for Majuro and 142.49mm for Kwajalein.

Accumulated rainfall for June to August 2014, including outlook verification:

Rainfall for the last three months was above normal at Majuro and below normal at Kwajalein. The June to August SCOPIC Outlook was inconsistent for Majuro and consistent for Kwajalein.

Outlooks for October to December 2014:

1. SCOPIC:

The seasonal rainfall outlook for Majuro and Kwajalein for the next three months using Nino 3.4 SST anomalies provides little guidance as the chances of above normal, normal and below normal rainfall are similar.

2. POAMA:

The seasonal rainfall outlook for October to December 2014 using POAMA shows that above normal is the most likely for both Majuro and Kwajalein. The second most likely category is below normal and the least category is normal rainfall for both stations.

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: $X \geq 35$