

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 86

Country Name: Republic of the Marshall Islands (RMI)

TABLE 1: Monthly Rainfall

Station (include data period)	October 2014						
	August 2014 Total	September 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Majuro	244.6	379.2	283.0	292.2	397.6	347.5	19/61
Kwajalein	142.5	241.0	436.1	251.1	333.5	294.3	63/70

TABLE 2: Three-monthly Rainfall August to October 2014

[Please note that the data used in this verification should be sourced from table 3 of OCOF #82]

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	906.8	822.2	1020.5	971.8	26/61	36/31/33 -3.6%	Near Consistent
Kwajalein	819.6	729.6	903.7	854.0	32/70	31/33/36 -0.7%	Near Consistent

Period: *below normal/normal/above normal

Predictors and Period used for August to October 2014 Outlooks (refer to OCOF #82):
Nino3.4SST Anomalies (April 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
December 2014 to February 2015**

Predictors and Period used: Nino3.4SST Anomalies September to October (2mths)

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Majuro	57%	665.7	43%		3.7%	53.1%
Kwajalein	59%	392.3	41%		9.0%	53.1%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Majuro	39%	585.6	34%	747.4	27%	1.9%	34.4%
Kwajalein	46%	319.0	21%	433.8	33%	16.2%	56.3%

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
December 2014 to February 2015**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Majuro	24%	591.0	18%	784.0	58%		
Kwajalein	36%	299.0	15%	423.0	49%		

Summary Statements

Rainfall for October 2014:

Rainfall recorded at Majuro and Kwajalein in October was below normal and above normal respectively with totals of 283.0mm for Majuro and 436.1mm for Kwajalein.

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

Rainfall for the last three (3) months was normal for both Majuro and Kwajalein. The August to October SCOPIC outlook was near consistent for both Majuro and Kwajalein.

Outlooks for December 2014 to February 2015:

1. SCOPIC:

The seasonal rainfall outlooks the next three (3) months December 2014 to February 2015 using Nino3.4SST anomalies for Majuro shows below normal/normal rainfall most likely and for Kwajalein station below normal rainfall most likely with above normal the next most likely.

2. POAMA:

The seasonal rainfall outlook for the December 2014 to February 2015 using POAMA shows that above normal is the most likely for Majuro and Kwajalein, with below normal the next most likely. 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: $X \geq 35$