

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: $X \geq 35$