

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 99

Country Name: Republic of the Marshall Islands (RMI)

TABLE 1: Monthly Rainfall

Station (include data period)	November 2015						
	September 2015 Total	October 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Majuro	272.3	267.2	135.4	288.1	381.8	326.3	2/62
Kwajalein	260.1	297.4	253.5	233.1	326.3	273.2	31/71

TABLE 2: Three-monthly Rainfall September to November 2015

[Please note that the data used in this verification should be sourced from table 3 of OCOF #95]

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	674.9	901.2	1087.0	988.7	2/62	45%/41%/14% 1.9%	Consistent
Kwajalein	811.0	787.5	930.8	845.6	29/71	50%/39%/11% 4.2%	Near Consistent

Period: *below normal/normal/above normal

Predictors and Period used for August to October 2015 Outlooks (refer to OCOF #94):

2 month Nino 3.4 June to July 2015

* 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 2016**

Predictors and Period used: 2 month Nino 3.4 October to November

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Majuro	96%	582.6	4%		23.2%	70.5%
Kwajalein	96%	242.9	4%		24.0%	70.8%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Majuro	90%	489.5	8%	687.5	2%	20.4%	49.2%
Kwajalein	92%	205.3	7%	331.1	1%	26.7%	56.9%

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
January to March 2016**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Majuro	79%	531.0	9%	656.0	12%		
Kwajalein	95%	203.0	5%	296.0	0%		

Summary Statements

Rainfall for November 2015:

Below normal was observed and recorded at Majuro and normal rainfall was recorded at Kwajalein for the month of November.

Accumulated rainfall for September to November 2015, including outlook verification:

Rainfall over the last three months was recorded below normal at Majuro and normal rainfall at Kwajalein.

The SCOPIC outlooks for the last three months were consistent for Majuro and near consistent for Kwajalein.

Outlooks for January to March 2016:

1. SCOPIC:

Seasonal rainfall outlook for the Marshall Islands for January 2016 to March 2016 shows below normal rainfall the most likely outcome for both Majuro and Kwajalein. The next most likely outcome is normal rainfall for stations.

2. POAMA:

The most likely outcome outlook for January 2016 to March 2016 for the Marshall Islands shows below normal rainfall for both Majuro and Kwajalein. The next most likely outcome is normal 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: $X \geq 35$