

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 98

Country Name: Republic of the Marshall Islands

TABLE 1: Monthly Rainfall

Station (include data period)	October 2015						
	August 2015 Total	September 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Majuro	615.7	272.3	267.2	292.1	388.5	344.6	16/62
Kwajalein	422.4	260.1	297.4	252.8	342.6	296.3	36/71

**TABLE 2: Three-monthly Rainfall
August to October 2015**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #94]

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	1155.2	879.4	1027.2	971.9	54/62	48%/40%/12% (5.9%)	Inconsistent
Kwajalein	979.9	731.3	902.3	851.9	55/71	33%/43%/24% (-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 May to June 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
December 2015 to February 2016**

Predictors and Period used: 2 month Nino 3.4 Sep to Oct

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Majuro	83%	660.7	17%		7.7%	60.7%
Kwajalein	80%	381.4	20%		6.1%	60.0%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Majuro	64%	582.1	27%	743.7	9%	6.5%	45.9%
Kwajalein	82%	317.9	6%	432.1	12%	8.0%	49.2%

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
December 2015 to February 2016**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Majuro	73%	591.0	6%	784.0	21%		
Kwajalein	94%	299.0	5%	423.0	1%		

Summary Statements

Rainfall for October 2015:

Rainfall in October was recorded below normal for Majuro and normal rainfall was recorded at Kwajalein.

Accumulated rainfall for August to October 2015, including outlook verification:

Rainfall over the last three months was recorded above normal for both Majuro and Kwajalein.

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

Drought:

There are no drought alerts yet for the Marshall Islands.

Outlooks for December 2015 to February 2016:

1. SCOPIC:

Seasonal rainfall outlook for the Marshall Islands for December 2015 to February 2016 shows below normal rainfall the most likely outcome for both Majuro and Kwajalein. The next most likely outcome is normal rainfall for Majuro and above normal for Kwajalein.

2. POAMA:

The most likely outcome outlook for December 2015 to February 2016 for the Marshall Islands shows below normal rainfall for both Majuro and Kwajalein. The next most likely outcome is above normal for Majuro and normal for 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: $X \geq 35$