

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 118

Country Name: Republic of the Marshall Islands (RMI)

TABLE 1: Monthly Rainfall

Station (include data period)	June 2017						
	April 2017 Total	May 2017 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
MAJURO	263.1	125.2	331.0	239.4	331.1	283.4	43/64
KWAJALEIN	87.4	132.1	274.3	179.0	259.2	205.8	50/73

**TABLE 2: Three-monthly Rainfall
April to June 2017**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #114]

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	719.3	668.4	963.7	838.5	26/63	31/34/35 (1.4%)	Near Consistent
KWAJALEIN	493.8	518.5	716.2	612.2	24/73	31/34/35 (5.1%)	Inconsistent

Period: *below normal/normal/above normal

Predictors and Period used for April 2017 to June 2017 Outlooks (refer to OCOF #114):
2-month NINO3.4SSTA (January to February 2017)

* 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 August to October 2017

Predictors and Period used: 2-month NINO3.4SSTA (May to June 2017)

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
MAJURO	63%	971.9	37%		3.0%	57.1%
KWAJALEIN	48%	855.6	52%		1.5%	34.3%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	67%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
MAJURO	41%	880.1	38%	1030.2	21%	3.2%	34.9%
KWAJALEIN	32%	731.7	40%	903.7	28%	-1.6%	28.4%

TABLE 4: Seasonal Climate Outlooks using POAMA2 for August to October 2017

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	67%ile rainfall (mm)	Upper Tercile (prob)		
MAJURO	82%	829.0	6%	1026.0	12%		
KWAJALEIN	76%	767.0	19%	899.0	5%		

Summary Statements

Rainfall for June 2017:

Majuro

Normal rainfall

Kwajalein

Above normal rainfall

Accumulated rainfall for April to June 2017, including outlook verification:

Majuro

Normal rainfall, with near-consistent verification.

Kwajalein

Below normal rainfall, with inconsistent verification.

Outlooks for August to October 2017:

1. SCOPIC:

Majuro

The outlook shows a near-equal likelihood of below-normal rainfall and normal rainfall; the least likely is above normal.

Kwajalein

Normal rainfall is the most likely outcome, with below-normal the next most likely. The least likely outcome is above-normal.

Low to very low forecast skills

2. POAMA:

Below-Normal rainfall is favoured at both Majuro and 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: $X \geq 35$