

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 120

Country Name: Republic of the Marshall Islands (RMI)

TABLE 1: Monthly Rainfall

Station (include data period)	August 2017						
	June 2017 Total	July 2017 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
MAJURO	331.0	318.0	330.2	259.3	322.9	287.2	44/64
KWAJALEIN	247.3	175.5	159.5	195.7	293.7	237.8	10/73

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

[Please note that the data used in this verification should be sourced from table 3 of OCOF #116]

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	979.2	806.5	961.8	874.8	44/64	36%/32%/32% (-1.4%)	Inconsistent
KWAJALEIN	609.3	672.1	819.5	727.5	18/73	30%/37%/33% (-1.3%)	Near-Consistent

Period: *below normal/normal/above normal

Predictors and Period used for June to August 2017 Outlooks (refer to OCOF #116):
2-MONTHS NINO3.4SSTA (March to April 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
October to December 2017**

Predictors and Period used: 2-MONTHS NINO3.4SSTA (July to August 2017)

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
MAJURO	49%	975.9	51%		15.5%	68.3%
KWAJALEIN	50%	781.7	50%		2.2%	54.5%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	67%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
MAJURO	31%	866.5	37%	1076.6	32%	17.6%	50.8%
KWAJALEIN	35%	727.3	34%	864.3	31%	2.3%	36.4%

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

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	67%ile rainfall (mm)	Upper Tercile (prob)		
MAJURO	39%	251	9%	372	52%		
KWAJALEIN	33%	712	27%	808	40%		

Summary Statements

Rainfall for August 2017:

Majuro received sufficient rainfall with above normal for the month of August, and Kwajalein was dried with below normal was recorded.

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

Accumulated rainfall for the period of June to August was recorded above normal for Majuro and below normal for Kwajalein.

The outlook verification for Majuro was inconsistent and near-consistent for Kwajalein.

Outlooks for October to December 2017:

1. SCOPIC:

The seasonal outlook for the next 3 months at Majuro and Kwajalein, shows a near-equal likelihood of above normal, normal and below normal rainfall.

2. POAMA:

The seasonal outlook for the next three months favours above normal rainfall with below normal the next most likely, and normal is the least likely at 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: $X \geq 35$

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