Pacific Islands - Online Climate Outlook Forum (OCOF) No. 106

Country Name: Republic of the Marshall Islands (RMI)

TABLE 1: Monthly Rainfall

Station (include data period)			June 2016				
	April 2016 Total	May 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Majuro	52.1	282.4	184.7	243.5	331.5	287.2	10/63
Kwajalein	28.7	96.5	249.2	177.6	262.0	205.4	46/72

TABLE 2: Three-monthly Rainfall
April to June 2016

[Please note that the data used in this verification should be sourced from table 3 of OCOF #102]

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	519.2	526.0	716.7	614.3	5/62	48/37/15 (0.3%)	CONSISTENT
Kwajalein	374.4	670.4	972.4	841.3	12/72	53/27/20 (0.3%)	CONSISTENT

Period:*below normal/normal/above normal

Predictors and Period used for April to June 2016 Outlooks (refer to OCOF #102):
2 MONTHS NINO3.4 SST JAN-FEB 2016

*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 2016

Predictors and Period used: 2 MONTHS NINO3.4 SST MAY-JUN 2016

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Majuro	62%	972.0	38%		2.8%	58.1%
Kwajalein	49%	854.0	51%		-1.5%	34.8%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Majuro	41%	879.7	37%	1033.2	22%	2.4%	30..6%
Kwajalein	33%	731.5	39%	905.1	28%	-1.5%	36.4%

TABLE 4: Seasonal Climate Outlooks using POAMA2 for August to October 2016

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Majuro	94%	829.0	5%	1026.0	1%		
Kwajalein	94%	767.0	5%	899.0	1%		

Summary Statements

Rainfall for June 2016:
Below normal rainfall was recorded for Majuro for the month of June 2016 and normal rainfall was recorded for Kwajalein.

Accumulated rainfall for April to June 2016, including outlook verification:
Accumulated rainfall for the last 3 months for both stations was recorded below normal rainfall. The SCOPIC outlooks verification was consistent.

Outlooks for August to October 2016:
1. SCOPIC:
The seasonal rainfall outlook for the next 3 months using SCOPIC shows the most likely outcome for Majuro is below normal.

For Kwajalein, the seasonal rainfall outlook favours most likely normal and least likely above normal for the next 3 months.

2. POAMA:

The seasonal rainfall outlook for the next 3 months using POAMA model favours below normal rainfall for both stations with normal rainfall is the next most likely outcome. Above normal is the least likely outcome for both stations.

NB: The X LEPS % score has been categorised as follows:

Very Low: X < 0.0	Low: 0 ≤ X < 5	Moderate 5 ≤ X < 10	Good: 10 ≤ X < 15	High: 15≤ X < 25
Very High: 25 ≤X < 35	Exceptional: X ≥ 35			