Pacific Islands - Online Climate Outlook Forum (OCOF) No. 109

Country Name: Republic of the Marshall Islands (RMI)

TABLE 1: Monthly Rainfall

Station (include data period)			September 2016				
	July 2016 Total	August 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
MAJURO	256.3	223.0	348.7	252.7	367.5	308.2	38/63
KWAJALEIN	253.0	206.2	175.3	230.9	301.0	269.3	7/72

TABLE 2: Three-monthly Rainfall
July to September 2016

[Please note that the data used in this verification should be sourced from table 3 of OCOF #105]

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	828.0	830.3	981.2	903.4	20/63	**36**%/34%/30% (-1.6%)	CONSISTENT
KWAJALEIN	634.5	725.3	849.4	774.9	12/72	24%/34%/**42**% (-0.2%)	INCONSISTENT

Period:*below normal/normal/above normal

Predictors and Period used for July to September 2016 Outlooks (refer to OCOF #105):

2 MONTHS NINO3.4SST (APR-MAY 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 November 2016 to January 2017

Predictors and Period used: 2 MONTHS NINO3.4SST (AUG-SEPT 2016)

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
MAJURO	43%	836.2	57%		6.9%	66.1%
KWAJALEIN	48%	595.4	52%		-0.7%	53.8%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
MAJURO	26%	727.3	35%	912.5	39%	6.5%	45.2%
KWAJALEIN	29%	525.3	36%	648.5	35%	-0.3%	33.8%

TABLE 4: Seasonal Climate Outlooks using POAMA2 for November 2016 to January 2017

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
MAJURO							
KWAJALEIN							

Summary Statements

Rainfall for September 2016:
Rainfall for September 2016 for the RMI was normal at Majuro and below normal rainfall at Kwajalein.

Accumulated rainfall for July to September 2016, including outlook verification:
Accumulated rainfall for last three (3) months was below normal rainfall at both stations.

The outlook verification was consistent at Majuro and inconsistent at Kwajalein.

Outlooks for November 2016 to January 2017:
1. SCOPIC:
Rainfall outlooks for the next three months favour above normal rainfall at Majuro with normal rainfall the next most likely outcome.

For Kwajalein, the seasonal rainfall outlook shows a near equal likelihood of above-normal normal and below normal rainfall.

2. POAMA:

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			