Pacific Islands - Online Climate Outlook Forum (OCOF) No. 108

Country Name: Republic of the Marshall Islands (RMI)

TABLE 1: Monthly Rainfall

Station (include data period)			August 2016				
	June 2016 Total	July 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
MAJURO	184.7	256.3	223.0	260.9	325.0	289.5	14/63
KWAJALEIN	249.2	253.0	206.2	194.1	295.6	240.1	29/72

TABLE 2: Three-monthly Rainfall
June to August 2016

[Please note that the data used in this verification should be sourced from table 3 of OCOF #104]

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	664.0	818.7	962.4	876.5	6/63	**38%/**30/%32% (-1.9%)	CONSISTENT
KWAJALEIN	708.4	672.1	824.2	730.8	32/72	24%/**42%/**34% (-1.3%)	CONSISTENT

Period:*below normal/normal/above normal

Predictors and Period used for June to August 2016 Outlooks (refer to OCOF #104):
2 MONTHS NINO3.4 SST (MARCH TO APRIL 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 October to December 2016

Predictors and Period used: 2 MONTHS NINO3.4SST (JULY TO AUGUST 2016)

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
MAJURO	42%	975.8	58%		14.0%	66.1%
KWAJALEIN	46%	778.8	54%		2.0%	53.8%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
MAJURO	26%	863.5	34%	1073.8	40%	16.5%	48.4%
KWAJALEIN	30%	726.4	34%	861.4	36%	2.0%	35.4%

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

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
MAJURO	61%	860.0	9%	1053.0	30%		
KWAJALEIN	39%	712.0	15%	808.0	46%		

Summary Statements

Rainfall for August 2016:
Below normal rainfall was recorded at Majuro and normal rainfall was recorded at Kwajalein.

Accumulated rainfall for June to August 2016, including outlook verification:
Below normal rainfall was also recorded at Majuro and normal rainfall was recorded at Kwajalein.

Outlook verification was CONSISTENT at both stations.

Outlooks for October to December 2016:
1. SCOPIC:
The seasonal rainfall outlook for the next three months using SCOPIC model shows above normal rainfall the most likely outcome at Majuro with normal the second most likely outcome.

For Kwajalein, the seasonal rainfall outlook for the coming months offers little guidance as the chances of above normal, normal, and below normal are similar.

2. POAMA:

The seasonal rainfall outlook for the next three months using POAMA2 model shows below normal rainfall the most likely outcome at Majuro and above normal rainfall the most likely outcome at 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: $X \geq 35$