Pacific Islands - Online Climate Outlook Forum (OCOF) No. 100

Country Name: Republic of the Marshall Islands (RMI)

TABLE 1: Monthly Rainfall

Station (include data period)			December 2015				
	October 2015 Total	November 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
MAJURO	267.2	135.4	173.5	214.7	346.9	276.7	11/62
KWAJALEIN	297.4	253.5	99.1	140.5	214.8	165.9	11/71

TABLE 2: Three-monthly Rainfall
October to December 2015

[Please note that the data used in this verification should be sourced from table 3 of OCOF #96]

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	576.1	869.6	1075.0	975.9	1/62	66%/30%/4% 16.5%	Consistent
KWAJALEIN	650.0	723.9	861.4	775.5	16/71	52%/31%/17% 2.5%	Consistent

Period:*below normal/normal/above normal

Predictors and Period used for October to December 2015 Outlooks (refer to OCOF #96):

2 month Nino 3.4 July to August 2015

*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 February to April 2016

Predictors and Period used: 2 month Nino 3.4 November to December

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
MAJURO	78%	652.7	22%		4.2%	57.4%
KWAJALEIN	77%	364.1	23%		4.8%	61.5%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
MAJURO	55%	559.2	38%	784.6	7%	5.3%	39.3%
KWAJALEIN	64%	260.7	30%	434.2	6%	8.5%	49.2%

TABLE 4: Seasonal Climate Outlooks using POAMA2 for February to April 2016

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
MAJURO	70%	552.0	21%	748.0	9%		
KWAJALEIN	85%	236.0	9%	427.0	6%		

Summary Statements

Rainfall for December 2015:

Below normal was observed and recorded at both Majuro and Kwajalein for the month of December 2015.

Accumulated rainfall for October to December 2015, including outlook verification:
Rainfall over the last three months was recorded below normal at both stations.

The SCOPIC outlooks for the last three months were consistent for both Majuro and Kwajalein.

Outlooks for February to April 2016:
1. SCOPIC:
Seasonal rainfall outlook for the Marshall Islands for February to April 2016 shows below normal rainfall the most likely outcome for both Majuro and Kwajalein. The next most likely outcome is normal rainfall for both stations.

2. POAMA:

The most likely outcome outlook for February to April 2016 for the Marshall Islands shows below normal rainfall for both Majuro and Kwajalein. The next most likely outcome is normal 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