Pacific Islands - Online Climate Outlook Forum (OCOF) No. 110

Country Name: REPUBLIC OF THE MARSHALL ISLANDS (RMI)

TABLE 1: Monthly Rainfall

Station (include data period)			October 2016				
	August 2016 Total	September 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
MAJURO	223.0	348.7	388.1	288.5	387.4	344.2	42/63
KWAJALEIN	206.2	175.3	475.7	253.2	338.1	297.4	67/72

TABLE 2: Three-monthly Rainfall
August to October 2016
[Please note that the data used in this verification should be sourced from table 3 of OCOF #106]

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	959.8	879.7	1033.2	972.0	30/63	**41%**/37%/22% (2.4%)	NEAR CONSISTENT
KWAJALEIN	857.2	731.5	905.1	854.0	37/72	33%/**39%**/28% (-1.5%)	CONSISTENT

Period:*below normal/normal/above normal

Predictors and Period used for August to October 2016 Outlooks (refer to OCOF #106)**:**

2 MONTHS NINO3.4SST (MAY-JUN 2016)

---

*Forecast is <u>consistent</u> when observed and predicted (tercile with the highest probability) categories coincide (are in the same tercile).
Forecast is <u>near-consistent</u> 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 <u>inconsistent</u> 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 December 2016 to February 2017

Predictors and Period used: 2 MONTHS NINO3.4SST (SEP-OCT 2016)

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
MAJURO	41%	657.2	59%		7.4%	59.7%
KWAJALEIN	40%	381.3	60%		6.7%	60.0%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
MAJURO	23%	576.7	35%	743.2	42%	9.4%	46.8%
KWAJALEIN	19%	317.9	42%	432.1	39%	8.9%	49.2%

TABLE 4: Seasonal Climate Outlooks using POAMA2 for December 2016 to February 2017

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
MAJURO	52%	591.0	5%	784.0	43%		
KWAJALEIN	48%	299.0	9%	423.0	43%		

Summary Statements

Rainfall for October 2016:
Above normal rainfall was recorded at both Majuro and Kwajalein stations.

Accumulated rainfall for August to October 2016, including outlook verification:
Normal rainfall was recorded at both Majuro and Kwajalein stations.

Outlook verification was near consistent at Majuro and consistent at Kwajalein.

Outlooks for December 2016 to February 2017:
1. SCOPIC:

Above normal rainfall is favoured at Majuro with normal rainfall the next most likely.

There is a near equal likelihood of above-normal and normal rainfall. Below normal rainfall is least likely..

2. POAMA:

Below normal rainfall is favoured at both the Majuro and Kwajalein 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