Pacific Islands - Online Climate Outlook Forum (OCOF) No. 116

Country Name: Republic of the Marshall Islands (RMI)

TABLE 1: Monthly Rainfall

Station (include data period)			April 2017				
	February 2017 Total	March 2017 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
MAJURO	239.5	332.0	263.1	197.5	322.2	240.7	34/63
KWAJALEIN	142.2	27.2	87.4	116.7	199.7	146.6	20/73

TABLE 2: Three-monthly Rainfall
February to April 2017

[Please note that the data used in this verification should be sourced from table 3 of OCOF #112]

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	834.6	557.5	775.7	647.8	49/63	26%/33%/**41**% (7.2)	CONSISTENT
KWAJALEIN	256.8	251.3	427.8	364.0	25/73	23%/35%/**42**% (9.7)	NEAR CONSISTENT

Period:*below normal/normal/above normal

Predictors and Period used for February 2017 to April 2017 Outlooks (refer to OCOF #112):

2-MONTH NINO3.4SSTA (November to December 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 June to August 2017

Predictors and Period used: 2-MONTH NINO3.4SSTA (March to April 2017)

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
MAJURO	53%	874.8	47%		-0.9%	54%
KWAJALEIN	55%	727.7	45%		1.5%	54%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
MAJURO	37%	806.5	31%	961.8	32%	-1.3%	37%
KWAJALEIN	30%	672.1	37%	819.5	33%	-0.6%	40%

TABLE 4: Seasonal Climate Outlooks using POAMA2 for June to August 2017

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
MAJURO	70%	806.0	15%	902.0	15%		
KWAJALEIN	52%	665.0	21%	830.0	27%		

Summary Statements

Rainfall for April 2017:
Rainfall for April 2017 for the Marshall Islands was normal for Majuro and below-normal for Kwajalein.

Accumulated rainfall for February to April 2017, including outlook verification:
Accumulated rainfall for February to April 2017 was above-normal for Majuro and normal for Kwajalein.

Seasonal rainfall outlook verification was CONSISTENT for Majuro and NEAR CONSISTENT for Kwajalein.

Outlooks for June to August 2017:

1. **SCOPIC:**
   The seasonal rainfall outlooks for June to August 2017 for the Marshall Islands using SCOPIC statistical model offers little guidance for the coming season as the chances of above-normal, normal and below-normal rainfall are similar.

   The forecast skill is very low.

2. **POAMA:**
   For the POAMA dynamical model, the seasonal rainfall outlooks for June to August 2017 for the Marshall Islands favours below normal for both Majuro and Kwajalein.

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			