Pacific Islands - Online Climate Outlook Forum (OCOF) No. 115

Country Name: Republic of the Marshall Islands (RMI)

TABLE 1: Monthly Rainfall

Station (include data period)			March 2017				
	January 2017 Total	February 2017 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
MAJURO	448.3	239.5	332.0	136.3	255.0	188.0	51/63
KWAJALEIN	228.6	142.2	27.2	49.1	118.3	86.6	10/73

TABLE 2: Three-monthly Rainfall
January 2017 to March 2017

[Please note that the data used in this verification should be sourced from table 3 of OCOF #111]

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	1019.8	484.4	684.8	581.9	61/63	13%/40%/**47%** (22.5%)	CONSISTENT
KWAJALEIN	398.0	202.1	325.2	239.6	56/73	12%/39%/**49%** (28.2%)	CONSISTENT

Period:*below normal/normal/above normal

Predictors and Period used for January 2017 to March 2017 Outlooks (refer to OCOF #111)**: 2-Months NINO3.4ssta (October to November 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 May to July 2017

Predictors and Period used: 2-Months NINO3.4ssta (February to March 2017)

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
MAJURO	49.8%	842.0	50.2%		-0.5%	53.2%
KWAJALEIN	49.9%	698.1	50.1%		-1.0%	50.7%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
MAJURO	33.6%	782.7	33.2%	944.9	33.3%	-0.3%	40.3%
KWAJALEIN	32.9%	589.4	33.5%	799.5	33.6%	-0.1%	35.8%

TABLE 4: Seasonal Climate Outlooks using POAMA2 for May to July 2017

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
MAJURO	27.3%	777.0	30.3%	848.0	42.4%		
KWAJALEIN	12.1%	537.0	9.1%	698.0	78.8%		

Summary Statements

Rainfall for March 2017:

Rainfall for March 2017 for the Marshall Islands was recorded above normal at Majuro and recorded below normal at Kwajalein.

Accumulated rainfall for January 2017 to March 2017, including outlook verification:

Accumulated rainfall for the January to March 2017 was recorded above normal rainfall at both Majuro and Kwajalein.

The seasonal rainfall outlook verification was consistent at both stations.

Outlooks for May to July 2017:

1. **SCOPIC:**

   The seasonal rainfall outlook for May to July 2017 shows climatological forecast at both stations in the Marshall Islands as the tercile outlooks or probabilities are equally same.

2. **POAMA:**

   The seasonal rainfall outlook for May to July 2017 favours above normal rainfall at both Majuro and Kwajalein, with normal rainfall the second most likely outcome. The least likely outcome is below normal rainfall.

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			