Pacific Islands - Online Climate Outlook Forum (OCOF) No. 92

Country Name: Republic of the Marshall Islands

TABLE 1: Monthly Rainfall

Station (include data period)			April 2015				
	February 2015 Total	March 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
MAJURO	109.7	549.9	386.8	200.9	321.9	240.7	50/60
KWAJALEIN	100.1	593.6	430.3	117.4	196.3	146.7	68/71

TABLE 2: Three-monthly Rainfall
February to April 2015

[Please note that the data used in this verification should be sourced from table 3 of OCOF #88]

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	1046.4	558.4	766.7	647.8	55/61	**38**/36/26 (-0.1%)	Inconsistent
KWAJALEIN	1124.0	257.1	421.4	364.0	71/71	**42**/35/23 (6.3%)	Inconsistent

Period:*below normal/normal/above normal

Predictors and Period used for February to April 2015 Outlooks (refer to OCOF #88):

NINO3.4SST Anomalies (November to December 2014)

*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 2015

Predictors and Period used: NINO3.4SST Anomalies (March to April) 2 Months

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
MAJURO	55%	874.8	45%		-1.1%	52.5%
KWAJALEIN	58%	727.7	42%		0.3%	52.3%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
MAJURO	37%	810.8	31%	961.3	32%	-1.7%	34.4%
KWAJALEIN	30%	672.0	36%	814.8	34%	-1.4%	30.8%

TABLE 4: Seasonal Climate Outlooks using POAMA2 for June to August 2015

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
MAJURO	30%	806.0	64%	902.0	6%		
KWAJALEIN	18%	665.0	61%	830.0	21%		

Summary Statements

Rainfall for April 2015:

Above normal rainfall was recorded at Majuro and Kwajalein for April with totals of 386.8m received at Majuro and 430.3m received at Kwajalein.

Accumulated rainfall for February to April 2015, including outlook verification:

Accumulated rainfall for the last three months was recorded above normal at both stations. The February to April SCOPIC outlook was inconsistent with the observed rainfall at both locations.

Outlooks for June to August 2015:

1. SCOPIC:

The seasonal rainfall outlook for June to August 2015 at Majuro and Kwajalein is mixed, with similar chances for below-normal, normal, and above-normal totals.

2. POAMA:

The most likely outcome is normal rainfall for both Majuro and Kwajalein with below normal the second most likely outcome for Majuro.

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			