

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 76

Country Name: Republic of the Marshall Islands

TABLE 1: Monthly Rainfall

Station (include data period)	December 2013						
	October 2013 Total	November 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Majuro Nino3.4sst	228.9	326.1	146.3	250.2	307.3	280.9	4/32

TABLE 2: Three-monthly Rainfall October to December 2013

[Please note that the data used in this verification should be sourced from table 3 of OCOF #72]

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 Nino3.4sst	701.3	869.2	1053.6	975.6	5/32	22/38/40 23.9	Inconsistent

Period: *below normal/normal/above normal

Predictors and Period used for October to December 2013 Outlooks (refer to OCOF #72):

NINO3.4 SST Anomalies from June to August

* 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 2014

Predictors and Period used: NINO3.4 SST Anomalies from October to December

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Majuro Nino3.4sst	49	595.4	51		-0.3	54.8

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Majuro Nino3.4sst	33	551.3	34	709.6	33	1.2	41.9

TABLE 4: Seasonal Climate Outlooks using POAMA2 for February to April 2014

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Majuro	12	552	18	748	70		

Summary Statements

Rainfall for December 2013:

- Rainfall recorded for Majuro was “below normal rainfall”.

Accumulated rainfall for October–December 2013, including outlook verification:

- Three months rainfall outlook for October to December was above normal rainfall.
- Observed rainfall was “below normal” as 701.3 mm lies below 33 percentile and 67 percentile. Verification was “Inconsistent”.

Outlooks for February-April 2014:

1. SCOPIC:

- Rainfall for next three months using Nino3.4SST Anomalies is forecast for “climatology”.

2. POAMA:

- POAMA outlook is forecast to be “above normal” rainfall.

NB: The X LEPS % score has been categorised as follows:

Very Low: $X < 0.0$

Low: $0 \leq X < 5$

Moderate $5 \leq X < 10$

Good: $10 \leq X < 15$

High: $15 \leq X < 25$

Very High: $25 \leq X < 35$

Exceptional: $X \geq 35$