

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 82

Country Name: Republic of the Marshall Islands (RMI)

TABLE 1: Monthly Rainfall

Station (include data period)			June 2014				
	April 2014 Total	May 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Majuro	589.28	192.53	250.44	217.7	323.5	269.0	15/33
Kwajalein	488.70	136.14	183.39	176.1	269.8	205.4	27/70

TABLE 2: Three-monthly Rainfall April to June 2014

[Please note that the data used in this verification should be sourced from table 3 of OCOF #78]

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	1032.25	646.9	850.3	685.7	28/33	30/37/33 (-2.1%)	Near Consistent
Kwajalein	808.23	518.5	706.6	610.1	57/70	32/31/37 (-0.4%)	Consistent

Period: *below normal/normal/above normal

Predictors and Period used for April to June 2014 Outlooks (refer to OCOF #78):
NINO3.4sst Anomalies from December 2013 to February 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
August to October 2014**

Predictors and Period used: NINO3.4 sst Anomalies May to June 2014

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Majuro	52%	971.8	48%		-2.6%	56.3%
Kwajalein	50%	854.0	50%		-1.6%	23.4%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Majuro	35%	822.2	35%	1020.5	30%	-4.2%	28.1%
Kwajalein	34%	729.6	37%	903.7	29%	-1.7%	21.9%

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
August to October 2014**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Majuro	64%	826	18%	968	18%		
Kwajalein	61%	747	33%	852	6%		

Summary Statements

Rainfall for June 2014:

-Rainfall was recorded normal rainfall for both Majuro and Kwajalein.

Accumulated rainfall for April to June 2014, including outlook verification:

-Above normal rainfall was recorded for April to June for both Majuro and Kwajalein. Verification was near consistent for Majuro and consistent for Kwajalein.

Outlooks for August to October 2014:

1. SCOPIC:

-The seasonal rainfall outlook for next three months using NINO3.4sst offers little guidance for Majuro and Kwajalein as the chances of above normal, normal and below normal are similar.

2. POAMA:

-The POAMA season rainfall outlook for August to October shows that the most likely outcome is below normal rainfall for both Majuro and Kwajalein.

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: $X \geq 35$