

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 80

Country Name: Republic of the Marshall Islands (RMI)

TABLE 1: Monthly Rainfall

Station (include data period)			April 2014				
	February 2014 Total	March 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Majuro NINO3.4SST	309.6	151.4	589.3	154.9	282.6	228.0	33/33
Kwajalein NINO3.4SST	351.0	283.7	448.7	116.7	182.7	146.5	68/70

TABLE 2: Three-monthly Rainfall February to April 2014

[Please note that the data used in this verification should be sourced from table 3 of OCOF #76]

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 NINO 3.4SST	1050.3	551.3	709.6	595.4	31/33	33/34/33 (1.2)	Near Consistent
Kwajalein NINO 3.4SST	1083.4	251.3	419.3	363.8	70/70	30/36/34 (8.6)	Near Consistent

Period: *below normal/normal/above normal

Predictors and Period used for February to April 2014 Outlooks (refer to OCOF #76):
NINO 3.4SST Anomalies from October to December

* 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 2014**

Predictors and Period used: NINO3.4SST Anomalies from February to April

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Majuro NINO3.4SST	55%	852.3	45%		-0.2%	68.8%
Kwajalein NINO3.4SST	45%	730.8	55%		0.6%	56.3%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Majuro NINO3.4SST	40%	785.0	31%	905.2	29%	2.7%	28.1%
Kwajalein NINO3.4SST	35%	672.1	31%	819.5	34%	-0.6%	42.2%

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

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Majuro NINO3.4SST	21%	777	12%	848	67%		
Kwajalein	18%	537	67%	698	15%		

Summary Statements

Rainfall for April 2014:

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

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

- Rainfall outlook for February to April was climatology for Majuro and normal for Kwajalein.
- Observe rainfall recorded above normal for both Majuro and Kwajalein. Verification was near consistent for both Majuro and Kwajalein.

Outlooks for June-August 2014:

1. SCOPIC:

- Rainfall for next three months using NINO3.4SST Anomalies shows that the most likely outcome is below normal for Majuro. The Kwajalein seasonal rainfall outlook shows little guidance as the chances of above normal, normal and below normal rainfall are similar.

2. POAMA:

- The POAMA seasonal rainfall outlook for June to August 2014 shows that the most likely outcome is above normal for Majuro and normal for 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: $X \geq 35$