

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 93

Country Name: Republic of the Marshall Islands

TABLE 1: Monthly Rainfall

Station (include data period)	May 2015						
	March 2015 Total	April 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
MAJURO	549.9	386.8	438.7	210.7	309.6	268.4	57/61
KWAJALEIN	593.6	430.3	347.7	164.2	270.0	205.8	60/71

TABLE 2: Three-monthly Rainfall March to May 2015

[Please note that the data used in this verification should be sourced from table 3 of OCOF #89]

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	1375.4	620.9	878.7	748.1	59/61	38/34/28 (-0.7)	Inconsistent
KWAJALEIN	1371.6	375.6	604.4	493.3	71/71	43/28/29 (3.8)	Inconsistent

Period: *below normal/normal/above normal

Predictors and Period used for March to May 2015 Outlooks (refer to OCOF #89):
NINO3.4SST Anomalies (December 2014 to January 2015)

* 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 July to September 2015

Predictors and Period used: NINO3.4SST Anomalies (April to May) 2 MONTHS

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
MAJURO	54%	901.9	46%		-1.5%	54.1%
KWAJALEIN	47%	774.5	53%		-1.5%	47.7%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
MAJURO	38%	830.3	34%	974.3	28%	-1.2%	34.4%
KWAJALEIN	23%	723.5	37%	846.9	40%	-0.8%	40.0%

TABLE 4: Seasonal Climate Outlooks using POAMA2 for July to September 2015

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
MAJURO	36%	826.0	52%	968.0	12%		
KWAJALEIN	18%	747.0	76%	852.0	6%		

Summary Statements

Rainfall for May 2015:

Above normal rainfall was recorded at both Majuro and Kwajalein for the month of May.

Accumulated rainfall for March to May 2015, including outlook verification:

Above normal rainfall was recorded at both Majuro and Kwajalein over March to May 2015. . Outlook verification was inconsistent for both stations.

Outlooks for July to September 2015:

1. SCOPIC:

For Majuro, the outlook offers little guidance as the chances of above-normal, normal and below-normal rainfall are similar. Above normal is favoured at Kwajalein, with normal rainfall the second most likely category.

2. POAMA:

The seasonal rainfall outlook for July to September shows normal rainfall the most likely outcome at both stations, with below normal the second most likely outcome. The least likely category is above normal for both stations.

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: $X \geq 35$