

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 129

Country Name: Republic of the Marshall Islands (RMI)

TABLE 1: Monthly Rainfall

Station (include data period)	May 2018						
	March 2018 Total	April 2018 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Majuro	572.5	451.9	554.1	211.9	318.4	269.2	62/64
Kwajalein	395.1	306.1	567.2	163.7	272.2	205.8	72/74

**TABLE 2: Three-monthly Rainfall
March to May 2018**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #125]

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	1578.5	620.9	578.7	747.8	63/64	27/35/38 1.0	Consistent
Kwajalein	1268.4	375.3	604.4	488.0	73/74	21/40/39 5.6	Near-Consistent

Period: *below normal/normal/above normal

Predictors and Period used for March to May 2018 Outlooks (refer to OCOF #125):
NINO 3.4 SST Anomalies for December 2017-January 2018

* 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 2018**

Predictors and Period used: NINO3.4 SST Anomalies for April-May 2018

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Majuro	50	903.4	50		-1.5	25.0
Kwajalein	51	774.9	49		-0.8	54.4

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	67%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Majuro	33	830.3	34	984.6	33	-1.6	29.7
Kwajalein	34	723.5	34	850.6	32	0.0	45.6

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
July to September 2018**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	67%ile rainfall (mm)	Upper Tercile (prob)		
Majuro	73	826	15	968	12		
Kwajalein	52	747	18	852	30		

Summary Statements

Rainfall for May 2018:

Above-normal rainfall was recorded at both Majuro and Kwajalein. Both stations recorded the 3rd highest rainfall for the month of May.

Accumulated rainfall for March to May 2018, including outlook verification:

Both Majuro and Kwajalein recorded above-normal rainfall during the period of March to May. Both stations recorded the 2nd highest rainfall for the period.

The outlook verification was consistent for Majuro and Near-consistent for Kwajalein. The skill for Majuro was low and moderate for Kwajalein.

Outlooks for July to September 2018:

1. SCOPIC:

The seasonal rainfall outlook for both Majuro and Kwajalein offer little guidance as the chances of above-normal, normal and below-normal are similar.

2. POAMA:

The seasonal outlook favour 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: $X \geq 35$