

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 130

Country Name: Republic of the Marshall Islands (RMI)

TABLE 1: Monthly Rainfall

Station (include data period)	June 2018						
	April 2018 Total	May 2018 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Majuro	451.9	554.1	422.1	243.2	331.7	291.1	62/64
Kwajalein	306.1	567.2	400.1	180.5	271.1	209.4	73/74

**TABLE 2: Three-monthly Rainfall
April to June 2018**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #126]

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	1428.1	699.4	955.1	835.7	63/64	27/33/40 1.1	Consistent
Kwajalein	1273.4	507.4	715.6	610.1	73/74	27/35/38 0.9	Consistent

Period: *below normal/normal/above normal

Predictors and Period used for April to June 2018 Outlooks (refer to OCOF #126):
NINO 3.4 SST Anomalies for January–February 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 August to October 2018

Predictors and Period used: NINO 3.4 SST Anomalies for May to June 2018

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Majuro	53	972.0	47		3.1	59.4
Kwajalein	50	857.2	50		-1.5	47.1

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	67%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Majuro	35	880.4	35	1036.2	30	1.7	35.9
Kwajalein	33	731.9	35	906.5	32	-1.6	23.5

TABLE 4: Seasonal Climate Outlooks using POAMA2 for August to October 2018

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	67%ile rainfall (mm)	Upper Tercile (prob)		
Majuro	61	829	6	1026	33		
Kwajalein	46	767	15	899	39		

Summary Statements

Rainfall for June 2018:

Above-normal rainfall was recorded at both stations. Majuro recorded the 3rd highest rainfall for the month of June, while Kwajalein recorded the 2nd highest.

Accumulated rainfall for April to June 2018, including outlook verification:

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

The outlook verification was consistent at both stations, and the skill for both stations was low.

Outlooks for August to October 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 outlook favour below-normal rainfall for Majuro. The outlook for Kwajalein shows below-normal the most likely outcome, with above-normal the next most likely. Normal rainfall is the least likely.

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: $X \geq 35$