

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 133

Country: Republic of the Marshall Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Jul-2018	Aug-2018	Sep-2018				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Majuro (1954-2018)	403.4	303.8	265.7	260.5	369.7	321.3	25/65
Kwajalein (1945-2018)	225.6	477.8	219.7	229.5	302.3	269.3	22/74

Present rainfall totals to 1 decimal place

TABLE 2: Three-month Rainfall for July to September 2018

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 March-April 2018				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Majuro (1954-2018)	972.9	Normal	830.3	984.6	903.4	42/65	33	34	33	-2	Near-consistent
Kwajalein (1945-2018)	923.1	Above normal	723.5	850.6	774.9	60/74	34	34	32	0	Near-consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for November 2018 to January 2019
Predictor and Period used: NINO3.4 for August to September 2018

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Majuro (1954-2018)	57	836.9	43		9	67
Kwajalein (1945-2018)	52	597.6	48		-1	52

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Majuro (1954-2018)	39	728.8	35	918.5	26	9	47
Kwajalein (1945-2018)	36	529.3	31	651.7	33	0	36

TABLE 4: Seasonal Climate Outlooks using POAMA2 for November 2018 to January 2019

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Majuro	30	794.0	9	917.0	61
Kwajalein	76	527.0	5	635.0	19

Summary Statements

Rainfall for September 2018:

Rainfall for September 2018 for the RMI was normal at Majuro and below normal at Kwajalein.

Accumulated rainfall for July to September 2018, including outlook verification:

Rainfall for July to September 2018 was normal at Majuro and above normal at Kwajalein.

The outlook verification was near-consistent at both station.

Outlooks for November 2018 to January 2019:

1. SCOPIC:

The seasonal rainfall outlooks for November 2018 to January 2019 at Majuro shows below normal as the most likely, with normal the next most likely. There is little guidance for Kwajalein as the chances of above normal, normal and below normal are similar.

2. POAMA:

The seasonal rainfall outlooks for November 2018 to January 2019 period shows above normal at Majuro and below normal at Kwajalein. The next most likely outcome is below normal at Majuro and above normal at Kwajalein.

Country	Date: September 2018	Stakeholder	Total Number of Participants	Number of male	Number of female
RMI	10/5/2018	National Disaster Management Office & Red Cross	NDMO-4 Red Cross-4	NDMO-3 Red Cross-2	NDMO-1 Red Cross-2

Note: The RMI Weather Services is still working closely with the relevant offices from the Government to fully implement these climate products in order to reach out as many customers who may find these products very useful to them. We're still in a stage of only sending out these products to our own NDMO and other offices via emails. We haven't really interact with them in persons regularly to explain these products.

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: $X \geq 35$