

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 138

Country: Marshall Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Dec-2018	Jan-2019	Feb-2019				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Majuro (1954-2019)	322.8	183.6	129.3	111.4	231.6	165.2	26/65
Kwajalein (1945-2019)	167.1	39.1	122.4	38.1	98.1	69.1	57/75

TABLE 2: Three-month Rainfall for December 2018 to February 2019

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 September-October 2018				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Majuro (1954-2019)	635.7	Normal	582.1	754.7	665.7	28/65	47	31	22	9	Near-consistent
Kwajalein (1945-2019)	328.6	Normal	319.0	437.2	394.1	27/73	54	20	26	10	Near-consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for April to June 2019**Predictor and Period used: NINO3.4 for January to February 2019**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Majuro (1954-2019)	52	838.5	48		-1	42
Kwajalein (1945-2019)	58	612.2	42		3	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 (1954-2019)	39	670.4	35	972.4	26	1	33
Kwajalein (1945-2019)	39	513.0	33	716.7	28	1	39

TABLE 4: Seasonal Climate Outlooks using POAMA2 for April to June 2019

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Majuro	15	638.0	15	901.0	70
Kwajalein	24	402.0	12	706.0	64

Summary Statements

Rainfall for February 2019:

Majuro recorded normal rainfall for the month of February while Kwajalein recorded above-normal rainfall.

Accumulated rainfall for December 2018 to February 2019, including outlook verification:

Normal rainfall was recorded at both stations during the period of December of February.

The outlook verification was Near-consistent for both Majuro and Kwajalein. The skill was moderate at both stations.

Outlooks for April to June 2019:

1. SCOPIC:

The outlook for Majuro shows below normal as the most likely outcome, with normal the next most likely. Above normal is the least likely.

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

2. POAMA:

The seasonal outlook favours above-normal rainfall at 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: $X \geq 35$

Table: 5 Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders

Country	Date: February 2019	Stakeholder	Total Number of Participants	Number of male	Number of female
RMI	03/11/2019	Chief Secretary, Deputy Chief Secretary, and Director of National Disaster Management Office and his staffs.	3	2	1

The climate outlook was forwarded to the office of the Chief Secretary on March 11th, 2019.