

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 136

Country: Marshall Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Oct-2018	Nov-2018	Dec-2018				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Majuro (1954-2018)	216.7	236.0	322.8	215.3	339.2	279.7	42/65
Kwajalein (1945-2018)	179.1	307.8	167.1	140.5	214.8	167.0	38/73

TABLE 2: Three-month Rainfall for October to December 2018

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 July-August 2018				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Majuro (1954-2018)	775.5	Below normal	869.6	1079.9	979.8	14/65	39	37	24	15	Consistent
Kwajalein (1945-2018)	654.0	Below normal	725.6	862.8	778.8	17/73	37	34	29	2	Consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for February to April 2019

Predictor and Period used: NINO3.4 for November to December 2018

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Majuro (1954-2018)	65	659.9	35		8	59
Kwajalein (1945-2018)	65	364.0	35		6	60

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)	48	559.2	36	785.0	16	9	47
Kwajalein (1945-2018)	49	256.9	34	434.2	17	10	50

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

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Majuro	27	552.0	9	748.0	64
Kwajalein	21	236.0	15	427.0	64

Summary Statements

Rainfall for December 2018:

Both Majuro and Kwajalein recorded normal rainfall for the month of December.

Accumulated rainfall for October to December 2018, including outlook verification:

Below-normal rainfall was recorded at both stations for the period of October to December.

The outlook verification was Consistent at both stations. The forecast skill for Majuro was good and the skill for Kwajalein was low.

Outlooks for February to April 2019:

1. SCOPIC:

The seasonal outlook for both Majuro and Kwajalein show below-normal rainfall as the most likely outcome, with normal rainfall the next most likely. Above-normal is the least likely.

2. POAMA:

The outlook favours above normal rainfall at both stations.

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

Country	Date:	Stakeholder	Total Number of Participants	Number of male	Number of female
Marshall Islands	12/21/2018	Chief Secretary Office (CSO), National Disaster Management Office (NDMO), and Ministry of Public Works and Infrastructures	9	2	7

On December 21st we had a meeting with the Chief Secretary, Director of NDMO and other disaster officials about the coming El Nino and its impacts to our islands in the RMI.

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: $X \geq 35$