Pacific Islands - Online Climate Outlook Forum (OCOF) No. 139

Country: Republic of the Marshall Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Jan-2019	Feb-2019	Mar-2019				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Majuro (1954-2019)	183.6	129.3	171.2	147.6	263.4	194.8	28/65
Kwajalein (1945-2019)	39.1	122.4	31.0	49.0	119.0	86.6	16/75

TABLE 2: Three-month Rainfall for January to March 2019

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 October-November 2018				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Majuro (1954-2019)	484.1	Below normal	489.5	706.6	588.3	22/65	63	25	12	23	Consistent
Kwajalein (1945-2019)	192.5	Below normal	205.3	353.6	245.4	24/75	66	24	10	27	Consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for May to July 2019

Predictor and Period used: NINO3.4 for February to March 2019

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Majuro (1954-2019)	55	842.0	45		-1	56
Kwajalein (1945-2019)	54	698.1	46		-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 (1954-2019)	34	780.8	44	949.9	22	0	44
Kwajalein (1945-2019)	41	586.1	29	800.1	30	0	41

TABLE 4: Seasonal Climate Outlooks using POAMA2 for May to July 2019

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Majuro	34	777.0	24	848.0	42
Kwajalein	36	537.0	19	698.0	45

Summary Statements

Rainfall for March 2019:

Majuro recorded normal-rainfall for the month, while Kwajalein recorded below-normal rainfall.

Accumulated rainfall for January to March 2019, including outlook verification:

Below-normal rainfall was recorded at both stations during the period of January to March.

The outlook verification was consistent at both stations. The skill was high at Majuro and very high at Kwajalein.

Outlooks for May to July 2019:

1. **SCOPIC:**
   The seasonal outlook for Majuro shows normal rainfall as the most likely outcome, with below-normal the next most likely, and above-normal the least likely. The outlook for Kwajalein shows below-normal rainfall as the most likely outcome, above-normal the next most likely, and normal the least likely.

2. **POAMA:**
   The seasonal outlook for both stations show above-normal rainfall as the most likely outcome, below-normal the next most likely, and above-normal the least likely.

NB: The X LEPS % score has been categorised as follows:

Very Low: X < 0.0 Low: 0 ≤ X < 5 Moderate 5 ≤ X < 10 Good: 10 ≤ X < 15 High: 15≤ X < 25

Very High: 25 ≤X < 35 Exceptional: X ≥ 35

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

Product	Date: March 2019	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin	March 25-29	WMO and SPREP Reps	7	5	2
EAR Watch					
Monthly Climate Briefing					
Ocean Bulletin					
		Total	7	5	2

We worked with the WMO and SPREP representatives who conducted the workshop on CREWS project in the Marshall Islands to redesign our climate bulletin and share it with our stakeholders in the RMI. We also had chances to work and have conversations with them about the other new products such as EAR Watch and Ocean Bulletin.