

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 150

Country: Marshall Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Dec-2019	Jan-2020	Feb-2020				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Majuro (1954-2020)	331.0	176.0	284.2	111.4	231.6	165.2	56/66
Kwajalein (1945-2020)	168.1	89.7	104.7	38.1	98.1	69.1	53/76

TABLE 2: Three-month Rainfall for December 2019 to February 2020

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 September-October 2019				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Majuro (1954-2020)	791.2	Above normal	583.8	751.0	660.7	46/66	39	37	24	9	Inconsistent
Kwajalein (1945-2020)	362.5	Normal	319.5	437.2	392.3	34/74	41	28	31	10	Near-consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for April to June 2020

Predictor and Period used: NINO3.4 for January to February 2020

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Majuro (1954-2020)	52	835.7	48		-1	45
Kwajalein (1945-2020)	56	610.1	44		4	53

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 (1954-2020)	36	672.1	36	963.7	28	1	31
Kwajalein (1945-2020)	38	502.9	32	716.2	30	2	41

TABLE 4: Seasonal Climate Outlooks using POAMA2 for April to June 2020

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Majuro	21	638.0	15	901.0	64
Kwajalein	9	402.0	6	706.0	85

Summary Statements**Rainfall for February 2020:**

Above-normal rainfall was recorded at both stations for the month of February.

Accumulated rainfall for December 2019 to February 2020, including outlook verification:

Above-normal rainfall was recorded at Majuro for the period of December to February, while Kwajalein recorded normal rainfall.

The verification of the outlook issued in November was inconsistent at Majuro and near-consistent at Kwajalein.

Outlooks for April to June 2020:**1. SCOPIC:**

The seasonal outlook for the next three month at both stations offer little guidance as the chances of above-normal, normal, and below normal-rainfall are similar.

2. POAMA:

The seasonal outlook for both Majuro and Kwajalein favours above-normal rainfall.

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

Product	Date: February 2020	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin					
EAR Watch					
Monthly Climate Briefing	02/21/20	Chief Secretary Office and National Disaster Management Office	5	2	3
Ocean Bulletin					
Total			5	2	3