

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 146

Country: Marshall Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Aug-2019	Sep-2019	Oct-2019				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Majuro (1954-2019)	322.3	297.9	379.7	288.5	388.4	344.6	41/66
Kwajalein (1945-2019)	256.5	251.2	267.5	250.7	338.1	295.8	32/75

TABLE 2: Three-month Rainfall for August to October 2019

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 May-June 2019				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Majuro (1954-2019)	999.9	Normal	879.7	1033.2	971.9	38/66	41	37	22	2	Near- consistent
Kwajalein (1945-2019)	775.2	Normal	739.8	905.1	862.4	29/75	29	41	30	-2	Consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for December 2019 to February 2020
Predictor and Period used: NINO3.4 for September to October 2019

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Majuro (1954-2019)	59	660.7	41		10	60
Kwajalein (1945-2019)	56	392.3	44		8	59

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	583.8	37	751.0	24	9	48
Kwajalein (1945-2019)	41	319.5	28	437.2	31	10	46

TABLE 4: Seasonal Climate Outlooks using POAMA2 for December 2019 to February 2020

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Majuro	18	591.0	15	784.0	67
Kwajalein	48	299.0	7	423.0	45

Summary Statements

Rainfall for October 2019:

Normal rainfall was recorded at both Majuro and Kwajalein for the month of October.

Accumulated rainfall for August to October 2019, including outlook verification:

Normal rainfall was recorded at both stations for the period of August to October.

The outlook issued in July verified as near-consistent at Majuro and consistent at Kwajalein.

Outlooks for December 2019 to February 2020:

1. SCOPIC:

The seasonal outlook for Kwajalein shows below normal as the most likely outcome, with above normal the next most likely. Majuro's outlook indicates a near-equal likelihood of below-normal and normal rainfall. Above-normal rainfall is the least likely.

2. POAMA:

The seasonal outlook for Majuro favours above normal rainfall, while Kwajalein's outlook is mixed with similar chances of below-normal and above-normal totals; near-normal is the least likely outcome.

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: October 2019	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin					
EAR Watch					
Monthly Climate Briefing	10/18	Chief Secretary Office and National Disaster Management Office	4	2	2
	11/04	'Tile Til eo Commitee'(Management of RMI Response to Climate Change and Disaster Risk)	12	8	4
Ocean Bulletin					
Total			16	10	6