

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 132

Country: Marshall Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Jun-2018	Jul-2018	Aug-2018				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Majuro (1954-2018)	422.1	403.4	303.8	260.9	325.0	291.9	39/65
Kwajalein (1945-2018)	400.1	225.6	477.8	194.1	295.6	237.8	72/74

TABLE 2: Three-month Rainfall for June to August 2018

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 March-April 2018				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Majuro (1954-2018)	1129.3	Above normal	810.8	962.9	876.5	60/65	30	35	35	-2	Near- consistent
Kwajalein (1945-2018)	1103.5	Above normal	672.0	814.8	724.6	72/74	36	31	33	-1	Inconsistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for October to December 2018
Predictor and Period used: NINO3.4 for July to August 2018

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Majuro (1954-2018)	59	979.8	41		14	64
Kwajalein (1945-2018)	54	778.8	46		2	54

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)	39	869.6	37	1079.9	24	15	44
Kwajalein (1945-2018)	37	725.6	34	862.8	29	2	36

TABLE 4: Seasonal Climate Outlooks using POAMA2 for October to December 2018

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Majuro	30	860.0	12	1053.0	58
Kwajalein	42	712.0	5	808.0	53

Summary Statements

Rainfall for July 2018:

Majuro recorded normal-rainfall, while Kwajalein recorded above-normal rainfall for the month of August. Kwajalein recorded the 3rd highest rainfall for the month.

Accumulated rainfall for May to July 2018, including outlook verification:

Above-normal rainfall was recorded at both stations during the period of May to July. Majuro recorded the 6th highest rainfall, while Kwajalein recorded the 3rd highest rainfall for the period.

The outlook verification was near-consistent for Majuro and inconsistent for Kwajalein. The skill for both stations was low.

Outlooks for October to December 2018:

1. SCOPIC:

The seasonal outlook for Majuro shows a near-equal likelihood of below-normal and normal rainfall. Above-normal is the least likely. The outlook for Kwajalein offers little guidance as the chances of above-normal, normal, and below-normal are similar.

2. POAMA:

The seasonal outlook for both stations favour above-normal rainfall with below-normal the next most likely.

