Pacific Islands - Online Climate Outlook Forum (OCOF) No. 144

Country: Marshall Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Jun-2019	Jul-2019	Aug-2019				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Majuro (1954-2019)	287.3	180.8	322.3	260.9	323.9	291.9	44/66
Kwajalein (1945-2019)	120.9	121.2	256.5	195.7	299.3	240.1	39/75

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

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Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 March-April 2019				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Majuro (1954-2019)	790.4	Below normal	818.7	973.7	878.2	20/66	**40**	29	31	-1	Consistent
Kwajalein (1945-2019)	498.6	Below normal	672.1	824.2	727.7	**5/75**	29	**37**	34	-1	Near-consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for October to December 2019

Predictor and Period used: NINO3.4 for July to August 2019

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Majuro (1954-2019)	63	975.9	37		15	65
Kwajalein (1945-2019)	56	775.9	44		2	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)	42	863.5	27	1078.3	31	14	45
Kwajalein (1945-2019)	40	723.9	32	861.4	28	3	37

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

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Majuro	76	860.0	9	1053.0	15
Kwajalein	49	712.0	9	808.0	42

Summary Statements

Rainfall for August 2019:

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

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

Both Majuro and Kwajalein recorded below normal rainfall for the period of June to August. Kwajalein recorded the 5th driest for the period.

The outlook verification was consistent at Majuro and near-consistent at Kwajalein. The skill was very low at both stations.

Outlooks for October to December 2019:

1. **SCOPIC:**
   For Majuro, the seasonal outlook shows below-normal rainfall as the most likely outcome, with above-normal rainfall the next most likely; normal rainfall is the least likely. The seasonal outlook for Kwajalein shows below-normal rainfall as the most likely outcome, with normal rainfall the next most likely; above-normal rainfall is the least likely.
2. **POAMA:**
   The seasonal outlook favours below-normal rainfall for Majuro, while the outlook shows below normal as the most likely outcome for Kwajalein, with above normal the next most likely. Normal is 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: August 2019	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin					
Monthly Climate Briefing	08/16/19	Chief Secretary Office and National Disaster Management Office	4	2	2
		Total	4	2	2