

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 153

Country: Marshall Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Mar-2020	Apr-2020	May-2020				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Majuro (1954-2020)	135.1	354.3	400.8	213.5	319.6	269.6	57/66
Kwajalein (1945-2020)	39.1	194.1	156.2	163.9	272.4	206.9	25/76

TABLE 2: Three-month Rainfall for March to May 2020

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 December 19-January 20				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Majuro (1954-2020)	890.2	Above normal	626.9	881.8	747.8	45/66	37	35	28	1	Inconsistent
Kwajalein (1945-2020)	389.4	Normal	374.7	612.8	488.0	29/76	42	29	29	6	Near-consistent

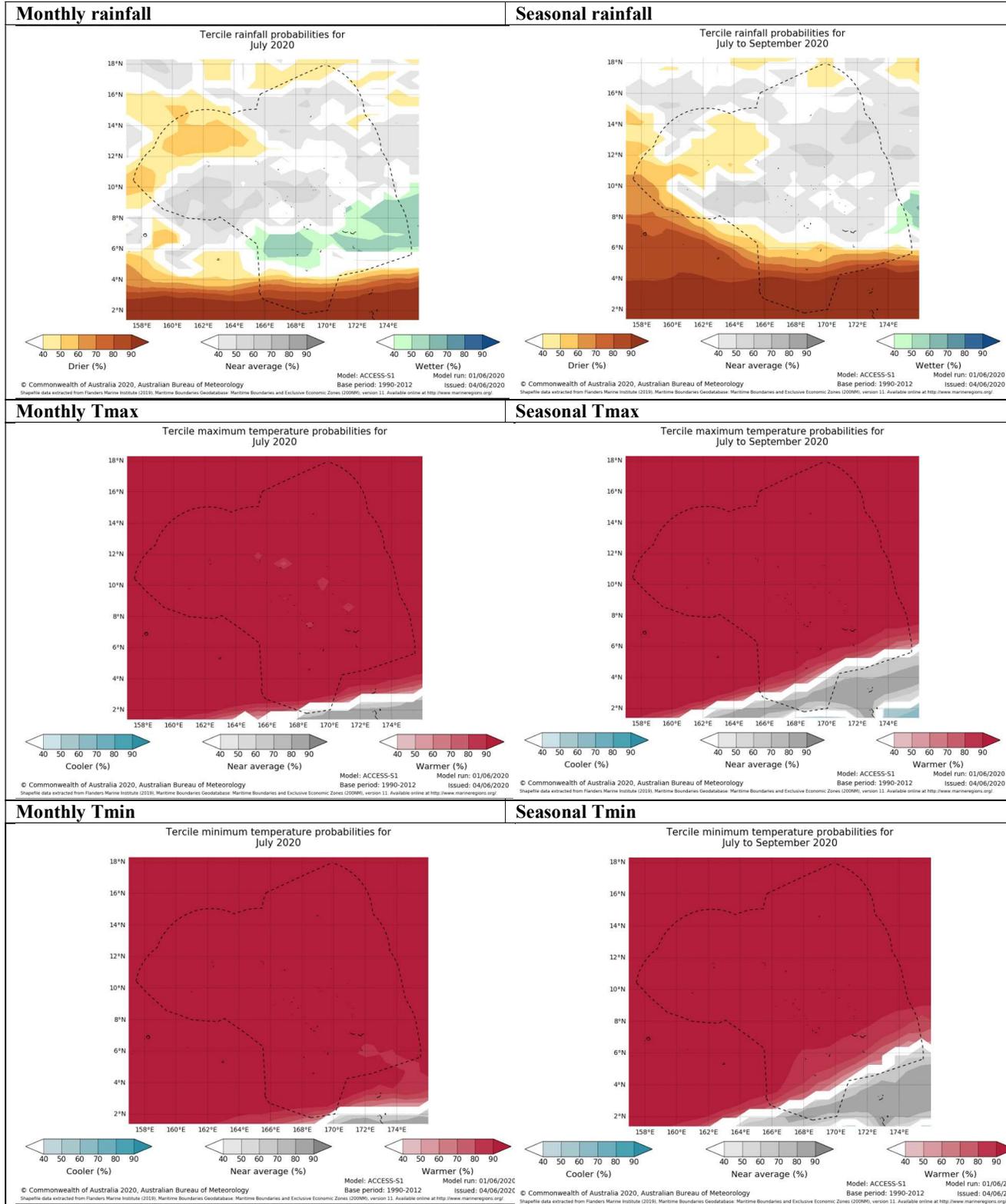
TABLE 3: Seasonal Climate Outlooks using SCOPIC for July to September 2020

Predictor and Period used: NINO3.4 for April to May 2020

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Majuro (1954-2020)	51	903.4	49		-1	49
Kwajalein (1945-2020)	49	774.9	51		-1	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	830.1	32	977.7	32	-1	35
Kwajalein (1945-2020)	31	722.7	33	851.1	36	-1	31

Monthly and Seasonal Climate Outlooks using ACCESS-S for July to September 2020



Summary Statements

Rainfall for May 2020:

Above-normal rainfall was recorded at Majuro while below-normal for Kwajalein for the month of May.

Accumulated rainfall for March to May 2020, including outlook verification:

Above-normal was recorded at Majuro while normal rainfall was recorded at Kwajalein for the period of March to May.

The outlook verification was inconsistent at Majuro and near-consistent at Kwajalein. The skill was low at Majuro and the skill for Kwajalein was moderate.

Outlooks for July to September 2020:

1. SCOPIC:

The seasonal outlook for both Majuro and Kwajalein offers little guidance as the chances of above-normal, normal and below-normal rainfall are similar.

2. ACCESS-S:

Monthly rainfall:

The monthly outlook shows wetter than average as the most likely outcome Majuro, while at Kwajalein near average is the most likely outcome for July.

Monthly maximum and minimum temperatures:

The outlook for July favours warmer than average at both Majuro and Kwajalein.

Seasonal rainfall:

The seasonal outlook favours near average rainfall at both Majuro and Kwajalein.

Seasonal maximum and minimum temperatures:

The outlook for the next three months favours warmer than average at both stations.

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: May 2020	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin					
EAR Watch					
Monthly Climate Briefing	05/15	Chief Secretary Office (CSO) and National Disaster Management Office (NDMO)	5	2	3
Ocean Bulletin					
Total			5	2	3