

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 157

Country: Marshall Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Jul-2020	Aug-2020	Sep-2020				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Majuro (1954-2020)	326.9	253.8	285.8	261.6	365.2	308.2	30/67
Kwajalein (1945-2020)	224.0	133.1	394.0	229.4	299.8	266.8	68/76

TABLE 2: Three-month Rainfall for July to September 2020

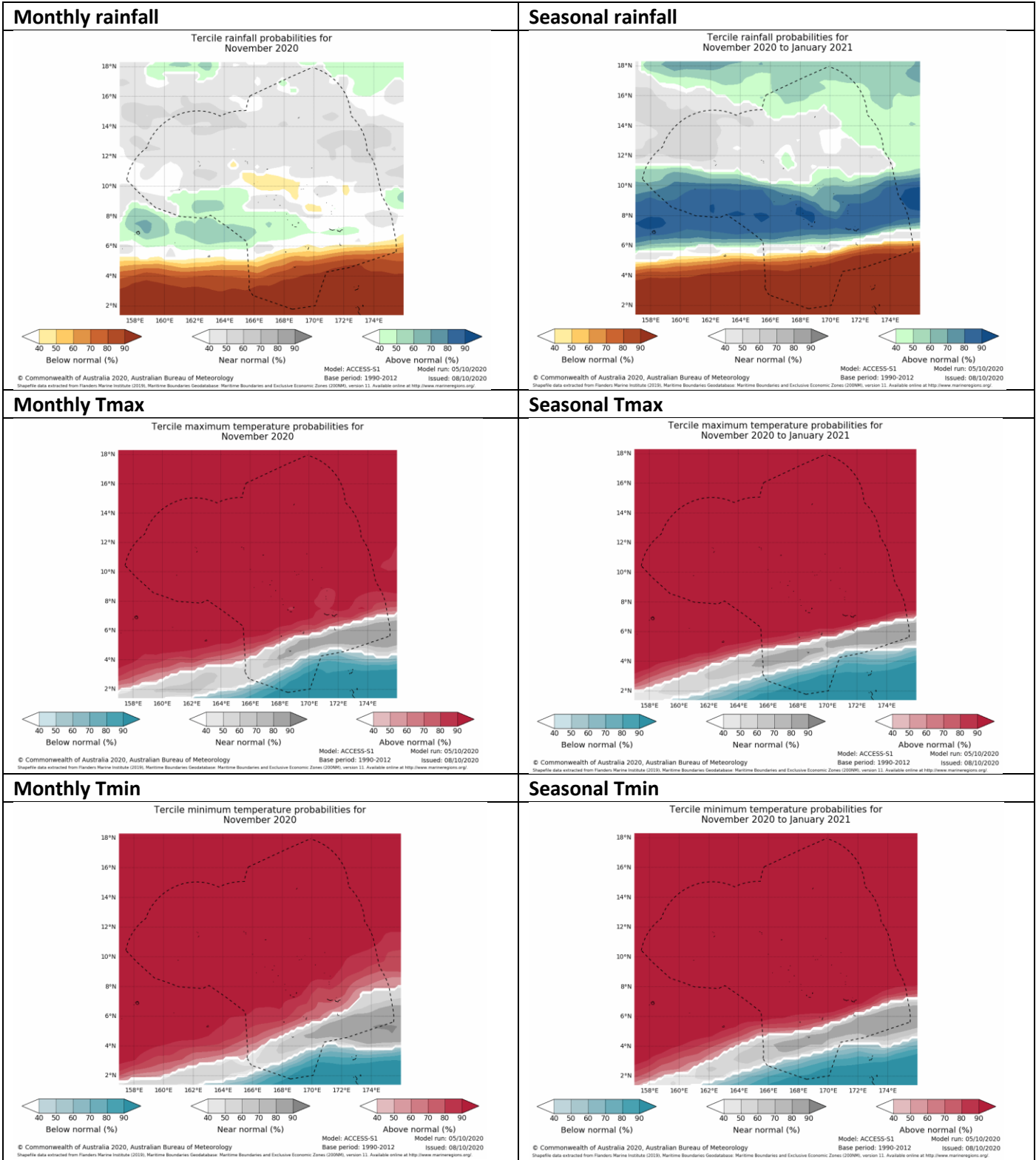
Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 April-May 2020				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Majuro (1954-2020)	866.5	Normal	830.1	977.7	903.4	28/67	36	32	32	-1	Near-consistent
Kwajalein (1945-2020)	751.1	Normal	722.7	851.1	774.9	33/76	31	33	36	-1	Near-consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for November 2020 to January 2021
Predictor and Period used: NINO3.4 for August to September 2020

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Majuro (1954-2020)	40	837.0	60		9	65
Kwajalein (1945-2020)	47	595.4	53		0	55

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)	23	733.9	36	917.5	41	8	46
Kwajalein (1945-2020)	29	527.3	36	650.1	35	0	35

TABLE 4: Monthly and Seasonal Climate Outlooks using ACCESS-S for November 2020 to January 2021



Summary Statements

Rainfall for September 2020:

Normal rainfall was recorded at Majuro while above-normal rainfall was recorded at Kwajalein.

Accumulated rainfall for July to September 2020, including outlook verification:

Normal rainfall was recorded at both Majuro and Kwajalein for the period of July to September.

The verification of the outlook issued in June was near-consistent at both stations.

Outlooks for November 2020 to January 2021:

1. SCOPIC:

The seasonal outlook for Majuro shows above-normal rainfall as the most likely outcome, with normal rainfall the next most likely. Below-normal rainfall is the least likely. The outlook for Kwajalein offers little guidance as the chances of below normal, normal and above normal rainfall are similar.

2. ACCESS-S:

Monthly rainfall:

The monthly outlook for November favours above normal rainfall in a band through the centre of the Marshall Islands, including Majuro. There are few areas in the central Marshall Islands where below normal is the most likely, but there is little guidance for large sections. Near normal rainfall is the most likely at most of the islands in the northern part of the Marshall Islands, including Kwajalein. In the far south of the group, the outlook strongly favours below normal rainfall.

Monthly maximum/minimum temperatures:

The outlook for November favours above normal temperatures at both Majuro and Kwajalein, as well as most of the Marshall Islands, apart from the southeast quarter where the chances grade from favouring near normal to below normal in the southernmost region.

Seasonal rainfall:

The seasonal outlook for November 2020 to January 2021 favours above normal rainfall in a band through the centre of the country, including Majuro and Kwajalein. Near-normal and above normal rainfall are the most likely in the northern part of the region, and below normal is strongly favoured in the southernmost region.

Seasonal maximum/minimum temperature:

The seasonal outlook at both Majuro and Kwajalein favours above normal temperatures for November 2020 to January 2021. This is also the case for most of RMI, apart from the far south to southeast where the chances grade from favouring near-normal to below normal in the far south of the country.

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: September 2020	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin					
EAR Watch					
Monthly Climate Briefing	09/18/20	Chief Secretary Office and National Disaster Management Office	5	3	2
Ocean Bulletin					
Total			5	3	3