

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 159

Country: Marshall Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Sep-2020	Oct-2020	Nov-2020				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Majuro (1954-2020)	285.8	567.7	380.7	287.0	379.9	325.8	45/67
Kwajalein (1945-2020)	394.0	397.3	328.9	233.6	318.0	273.2	52/76

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

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 June-July 2020				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Majuro (1954-2020)	1234.2	Above normal	896.5	1088.6	991.5	57/67	32	34	34	3	Near-consistent
Kwajalein (1945-2020)	1120.2	Above normal	788.0	931.8	839.5	73/76	32	34	34	3	Near-consistent

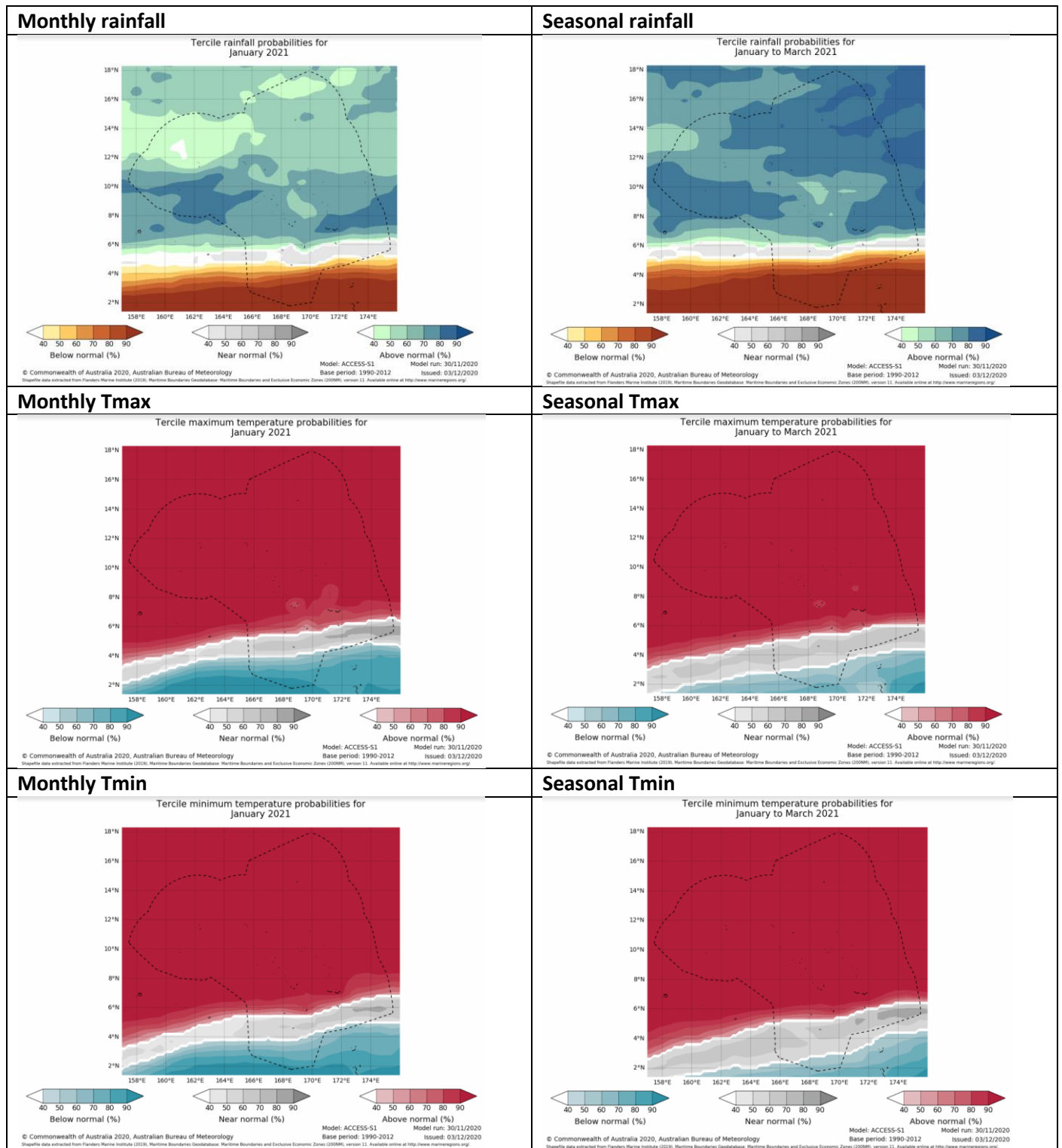
TABLE 3: Seasonal Climate Outlooks using SCOPIC for January to March 2021

Predictor and Period used: NINO3.4 for October to November 2020

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Majuro (1954-2020)	19	588.3	81		26	74
Kwajalein (1945-2020)	19	242.9	81		27	74

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)	7	487.7	38	693.9	55	24	52
Kwajalein (1945-2020)	6	195.7	37	366.7	57	27	56

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



Summary Statements

Rainfall for November 2020:

Above normal rainfall was recorded at both Majuro and Kwajalein for the month of November.

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

During the period of September to November, above normal rainfall was recorded at both stations. Kwajalein recorded its fourth wettest September to November.

The verification of the outlook that was issued in August was near-consistent at both Majuro and Kwajalein.

Outlooks for January to March 2021:

1. SCOPIC:

The seasonal outlook for January to March favours above normal rainfall for both Majuro and Kwajalein.

2. ACCESS-S:

Monthly rainfall:

The monthly outlook for **January** favours above normal rainfall for most of the Marshall Islands including Majuro and Kwajalein. Near-normal to below normal rainfall are most likely for the southernmost islands.

Monthly maximum/minimum temperatures:

The monthly maximum and minimum temperature outlook for **January** favours above normal for both stations and most of the Marshall Islands. Near-normal to below normal temperatures are most likely outcomes for islands in the southern Marshalls.

Seasonal rainfall:

The seasonal outlook for **January to March** favours above normal rainfall for most of the islands, including Majuro and Kwajalein. For the southernmost islands, near-normal to below normal rainfall are the most likely outcomes.

Seasonal maximum/minimum temperatures:

The seasonal outlook for **January to March**, favours above normal temperatures for most of the islands, including Majuro and Kwajalein. Near-normal to below normal temperatures are the most likely outcomes for the southernmost islands.

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: November 2020	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin					
EAR Watch					
Monthly Climate Briefing	11/20/20	Office of the Chief Secretary Office (CSO) and National Disaster Management Office (NDMO)	5	2	3
Ocean Bulletin					
Total			5	2	3