

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 151

Country: Marshall Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Jan-2020	Feb-2020	Mar-2020				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Majuro (1954-2020)	176.0	284.2	135.1	148.8	261.6	192.4	22/66
Kwajalein (1945-2020)	89.7	104.7	39.1	48.4	118.3	86.4	22/76

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

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 October-November 2019				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Majuro (1954-2020)	595.3	Normal	485.9	700.2	582.6	36/66	50	31	19	24	Near-consistent
Kwajalein (1945-2020)	233.5	Normal	202.1	345.2	242.9	35/76	52	32	16	28	Near-consistent

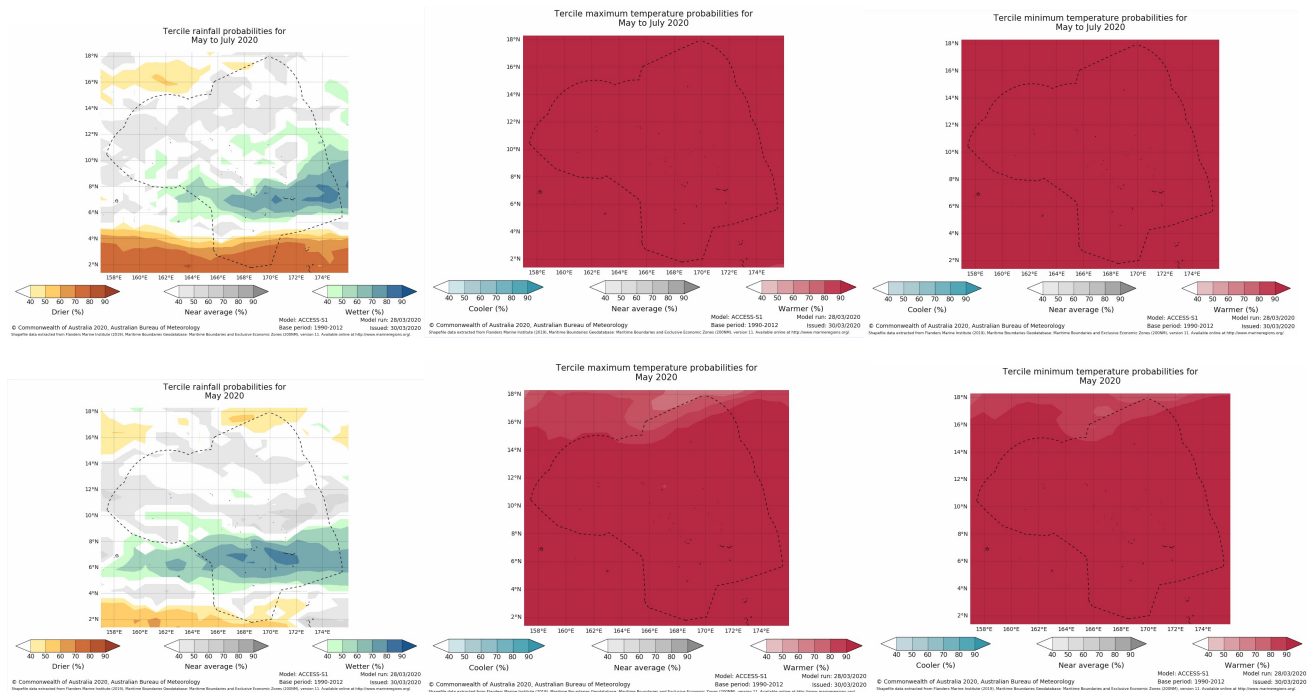
TABLE 3: Seasonal Climate Outlooks using SCOPIC for May to July 2020

Predictor and Period used: NINO3.4 for February to March 2020

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Majuro (1954-2020)	53	845.9	47		-1	54
Kwajalein (1945-2020)	53	690.6	47		-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)	34	782.7	37	944.9	29	0	45
Kwajalein (1945-2020)	37	582.6	31	799.5	32	0	34

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



Summary Statements

Rainfall for March 2020:

Below-normal rainfall was recorded at both Majuro and Kwajalein for the month of March.

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

Normal-rainfall was recorded at both stations for the period of January to March.

The outlook verification was near-consistent at both Majuro and Kwajalein. The skill was high at Majuro, while Kwajalein was very high.

Outlooks for May to July 2020:

1. SCOPIC:

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

2. ACCESS-S:

Seasonal rainfall:

The seasonal rainfall forecast for the next three months (May to July), 70 to 80 percent chance of wetter than average is favoured at Majuro, while Kwajalein favoured a 40 percent chance of near average rainfall.

Seasonal maximum temperature:

The seasonal maximum temperature for the next three months is favoured to be above normal at both stations.

Seasonal minimum temperature:

The seasonal minimum temperature is favoured to be above average at both stations for the next three months.

Monthly rainfall:

The outlook shows a 80 to 90 percent that May will be wetter than average at Majuro, while at Kwajalein 60 to 70 percent.

Monthly maximum temperature:

The outlook for May shows warmer than average is favoured at both stations.

Monthly minimum temperature:

The outlook favours warmer than average for the month of May at both Majuro and Kwajalein, as well as for the rest of the islands in the Republic.

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: March 2020	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin					
EAR Watch					
Monthly Climate Briefing	03/20/2020	Chief Secretary Office and National Disaster Management Office	4	2	2
Ocean Bulletin					
Total			4	2	2