Pacific Islands - Online Climate Outlook Forum (OCOF) No. 156

Country: Marshall Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Jun-2020	Jul-2020	Aug-2020				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Majuro (1954-2020)	325.9	326.9	253.2	261.7	323.9	294.4	21/67
Kwajalein (1945-2020)	154.7	224.0	133.1	195.7	293.7	240.1	**1/76**

TABLE 2: Three-month Rainfall for June to August 2020

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 March-April 2020				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Majuro (1954-2020)	906.0	Normal	806.5	968.3	876.5	39/67	**39**	31	30	-1	Near-consistent
Kwajalein (1945-2020)	511.8	Below normal	665.7	819.5	724.6	**7/76**	32	**36**	32	-1	Near-consistent

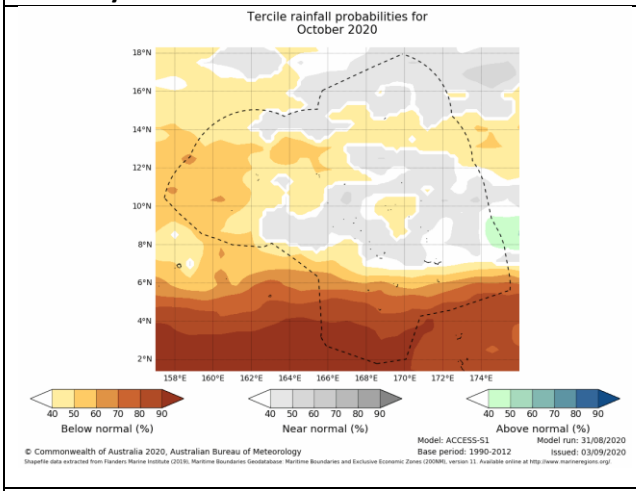
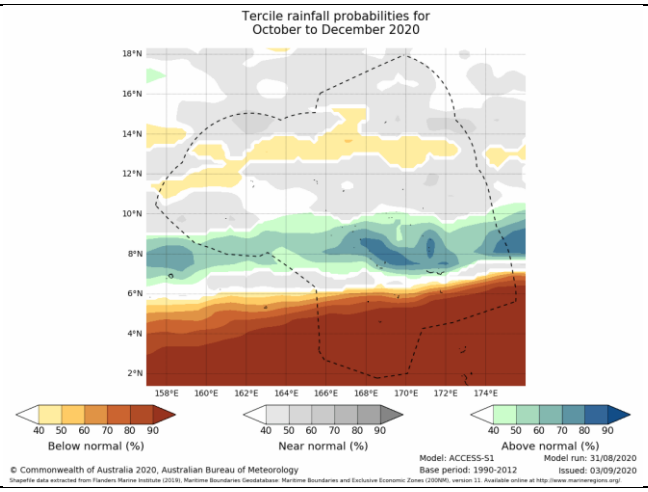
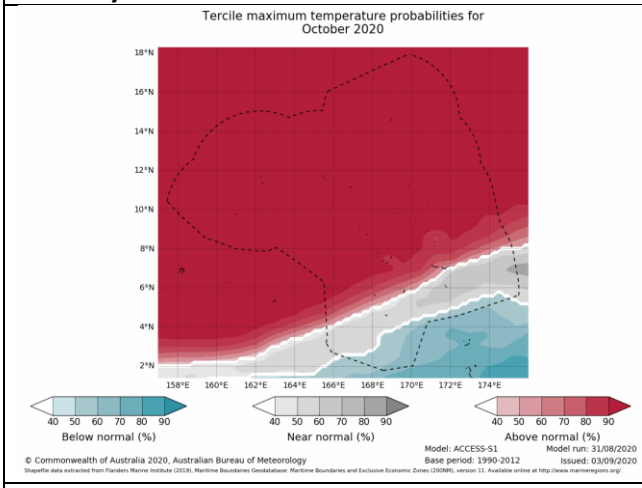
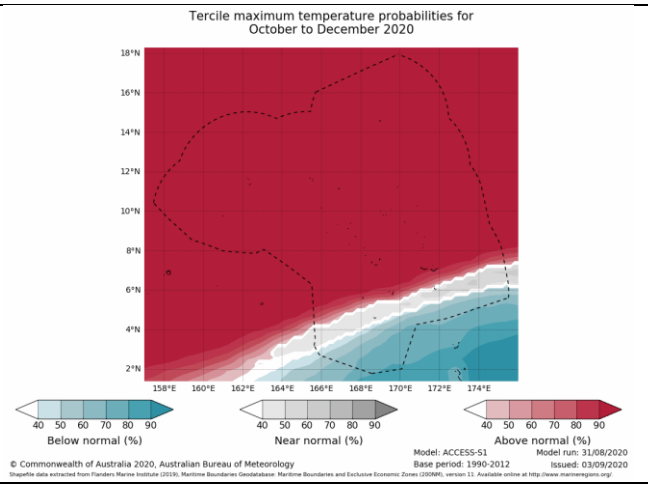
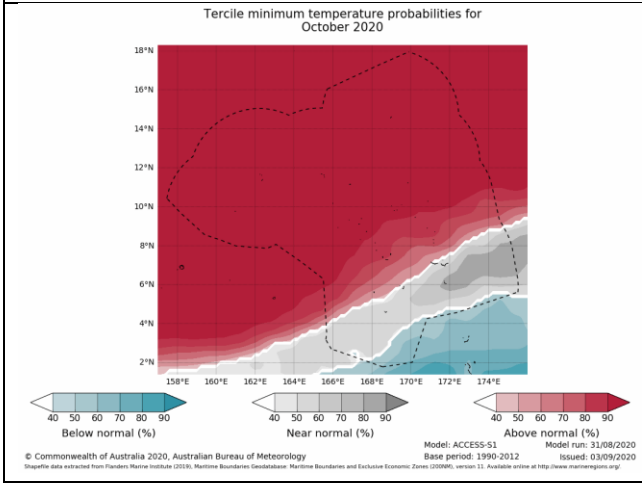
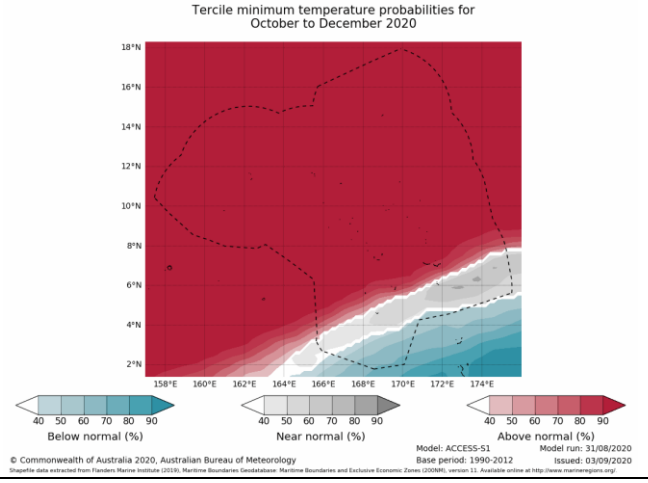
TABLE 3: Seasonal Climate Outlooks using SCOPIC for October to December 2020

Predictor and Period used: NINO3.4 for July to August 2020

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Majuro (1954-2020)	43	979.8	57		14	62
Kwajalein (1945-2020)	47	772.6	53		3	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 (1954-2020)	27	866.5	36	1082.4	37	14	46
Kwajalein (1945-2020)	30	724.7	34	858.9	36	2	35

Table 4: Monthly and Seasonal Climate Outlooks using ACCESS-S for October to December 2020

Monthly rainfall	Seasonal rainfall
	
Monthly Tmax	**Seasonal Tmax**
	
Monthly Tmin	**Seasonal Tmin**
	

Summary Statements

Rainfall for August 2020:

Below normal rainfall was recorded at both Majuro and Kwajalein. It is the driest August ever recorded at Kwajalein.

Accumulated rainfall for June to August 2020, including outlook verification:

Normal rainfall was recorded at Majuro while Kwajalein recorded below normal for the period of June to August. Kwajalein was ranked as the 7th driest for the particular period.

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

Outlooks for October to December 2020:

1. **SCOPIC:**
   The seasonal outlook for Majuro shows a near-equal likelihood of above normal and normal rainfall. Below normal is the least likely. The outlook for Kwajalein offers little guidance as the chances of above normal, normal, and below normal are similar.

2. **ACCESS-S:**

   Monthly rainfall:

   The monthly outlook for October favours below normal rainfall in the west to northwest of the Marshall Islands as well as the far south. Across central RMI, there are few areas where near normal is most likely, but there is little guidance for large sections, including both Majuro and Kwajalein.

   Monthly maximum/minimum temperatures:

   The outlook for October favours above normal maximum 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. The pattern for minimum temperatures is very similar, although Majuro is in a small section where there's little guidance. At Kwajalein, the outlook favours an above normal monthly minimum temperature.

   Seasonal rainfall:

   The seasonal outlook for October to December 2020 favours below normal in the south and also an area in the northern part of the region. Across the central RMI, near-normal to above normal rainfall are the most likely outcomes. This includes Kwajalein (near-normal) and Majuro (above normal).

   Seasonal maximum/minimum temperatures:

   The seasonal outlook at both Majuro and Kwajalein favours above normal temperatures for October to December 2020. This is also the case for most of RMI, apart from the far south to southeast where near-normal seasonal temperatures are the most likely outcomes.

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 2020	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin					
EAR Watch					
Monthly Climate Briefing	08/21/2020	Chief Secretary Office (CSO) and National Disaster Management Office (NDMO)	5	2	3
Ocean Bulletin					
		Total	5	2	2