

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

Country: Palau

TABLE 1: Monthly Rainfall

Station (include data period)	Jun-2020	Jul-2020	Aug-2020				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Koror Airport (1951-2020)	321.1	282.4	532.1	311.2	423.7	349.2	66/70

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

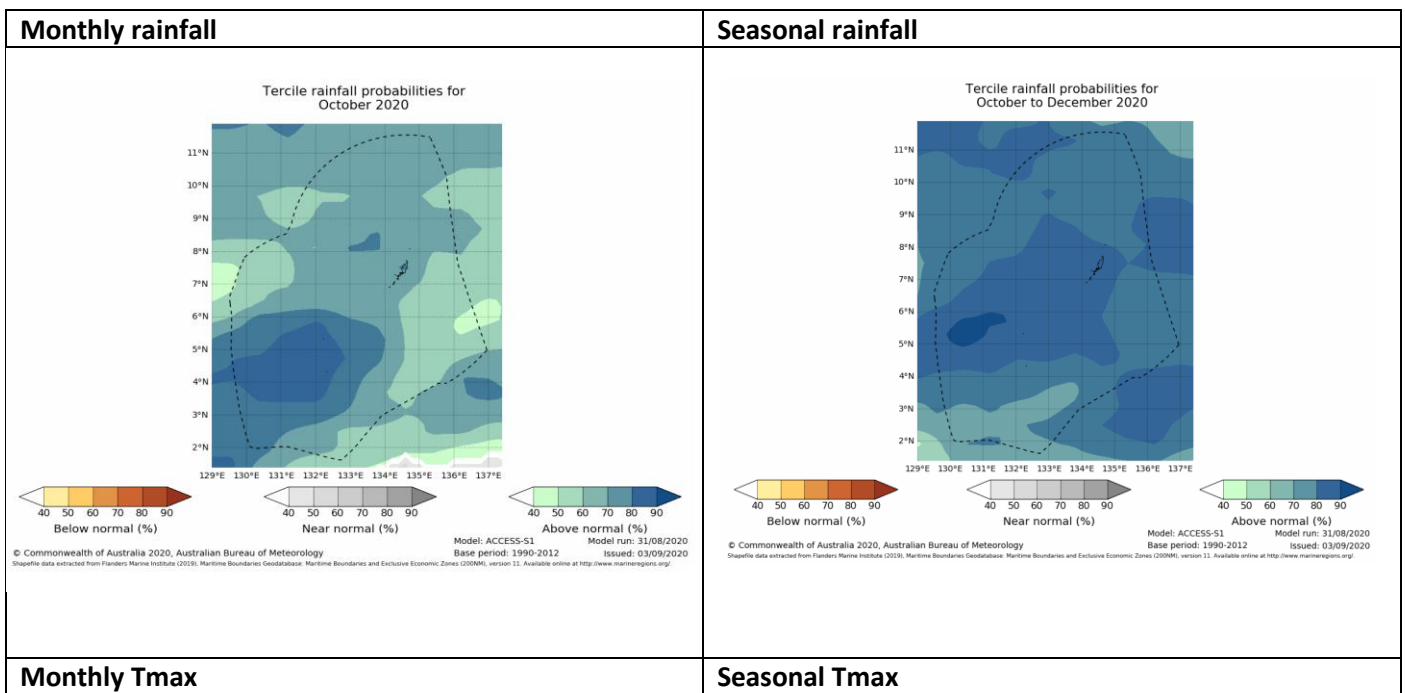
Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 March-April 2020				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Koror Airport (1951-2020)	1135.6	Normal	1118.6	1330.8	1205.9	27/69	38	29	33	-1	Near-consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for October to December 2020
 Predictor and Period used: NINO3.4 for July to August 2020

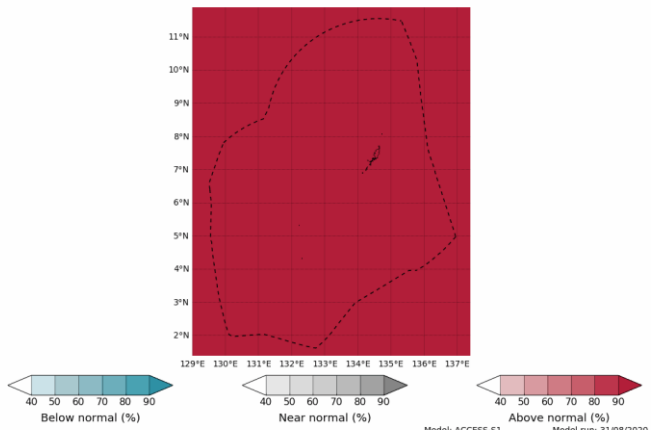
Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Koror Airport (1951-2020)	43	898.9	57		15	64

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Koror Airport (1951-2020)	24	804.8	37	1026.8	39	12	48

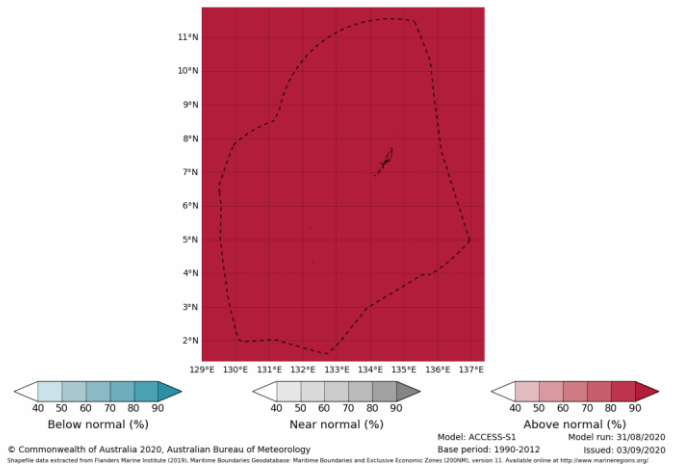
Table 4: Monthly and Seasonal Climate Outlooks using ACCESS-S for October to December 2020



Tercile maximum temperature probabilities for October 2020

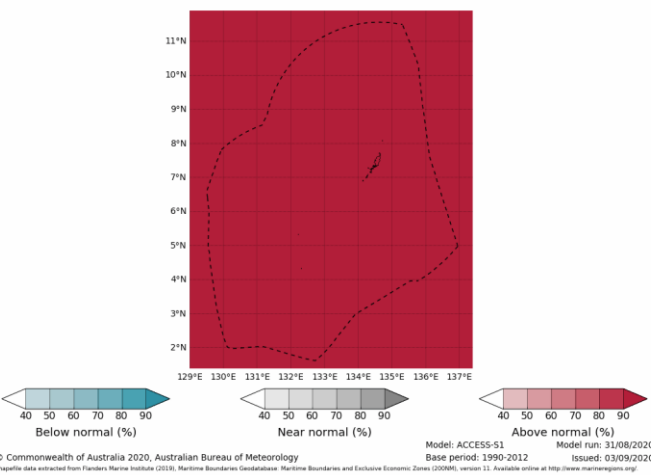


Tercile maximum temperature probabilities for October to December 2020



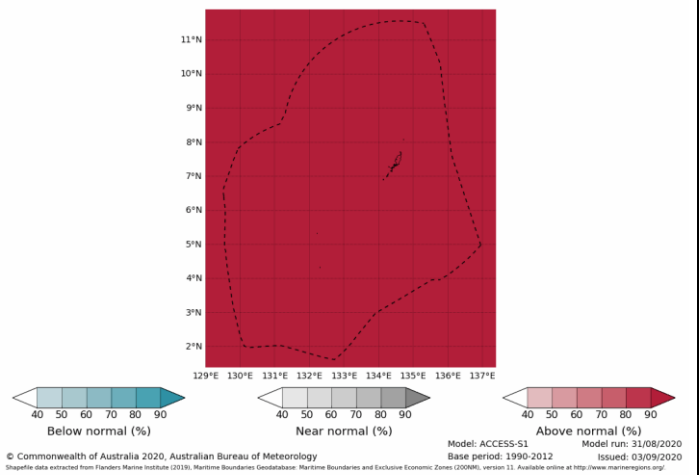
Monthly Tmin

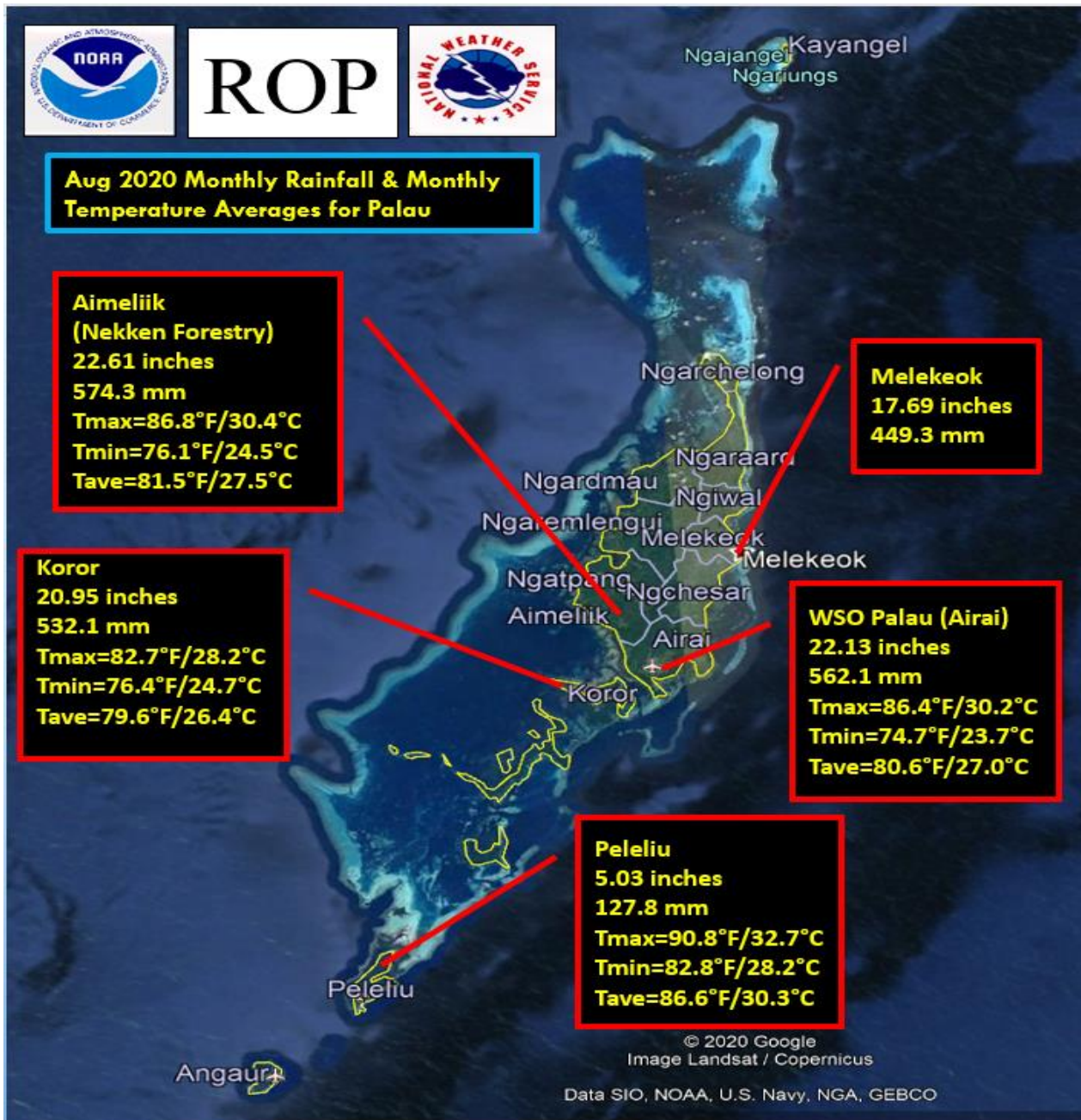
Tercile minimum temperature probabilities for October 2020



Seasonal Tmin

Tercile minimum temperature probabilities for October to December 2020





Summary Statements

Rainfall and temperatures for August 2020: It has been a quiet Monsoon season well into the first three months of May, June and July. About half a dozen major rainfall events across Palau were associated with monsoon troughs, mainly north of 10 north latitude, linked to weak circulations and trade-wind disturbances. Airai ranked the highest in the Greatest 24-hour Rainfall on Day 18 at 111.8 mm and Koror following at 95.5 mm on that same day. In terms of Climatology, rainfall was above-normal across the country, with the exception to Peleliu State. The monthly rainfall total for Koror was above-normal and this was the fifth wettest August in 70 years. Average Maximum temperatures across Palau ranged from the upper 20s to the low 30s. Average Minimum temperatures across the islands varied from the low to upper 20s. The angle of the sun passing south of Angaur this time of the year may have been a major contributor to higher temperatures observed in Peleliu, with its maximum at 33.9 °C. The lowest minimum temperature for Palau observed in Airai State was at 21.1° C. For the month of August, Koror's Mean Maximum, Minimum and Average temperatures were below-normal.

Accumulated rainfall for June to August 2020, including outlook verification: Koror recorded normal rainfall for the period of June to August 2020. The SCOPIC outlook verification issued in May was near-consistent as it indicated below-normal as the most likely outcome.

Outlooks for October to December 2020:

1. **SCOPIC:** The SCOPIC rainfall outlook for October to December 2020 shows a near-equal likelihood of above-normal and normal rainfall. Below-normal is the least likely.

2. **ACCESS-S:**

Monthly and seasonal rainfall: The ACCESS-S monthly rainfall outlook for October and seasonal rainfall outlook for October to December 2020, both favour above-normal rainfall for Koror and the whole country.

Monthly and seasonal maximum and minimum temperatures: The ACCESS-S monthly temperature outlook for October and seasonal temperature outlook for October to December 2020, both favour above-normal maximum and minimum temperatures for Koror and the whole 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: August 2020	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin	N/A				
EAR Watch	N/A				
Monthly Climate Briefing	N/A				
Ocean Bulletin	N/A				
Total					