

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 153

Country: Palau

TABLE 1: Monthly Rainfall

Station (include data period)	Mar-2020	Apr-2020	May-2020				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Koror (1951-2020)	105.4	275.6	587.3	255.7	349.4	297.7	68/69

**TABLE 2: Three-month Rainfall for March to May 2020**

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 December 19 - January 20				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Koror (1951-2020)	968.3	Above Normal	669.0	850.6	768.5	59/69	43	29	28	8	Inconsistent

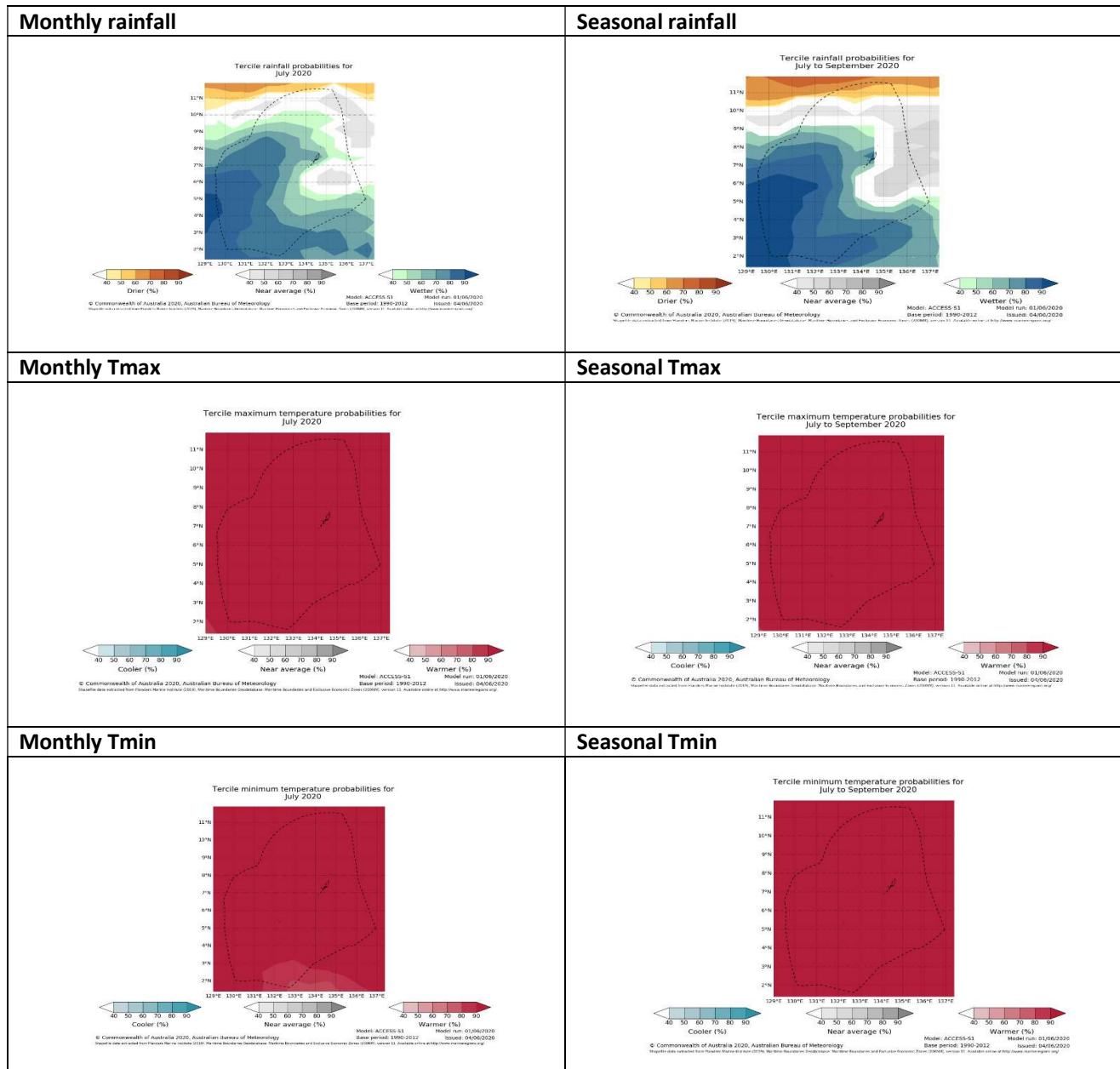
**TABLE 3: Seasonal Climate Outlooks using SCOPIC for July to September 2020**

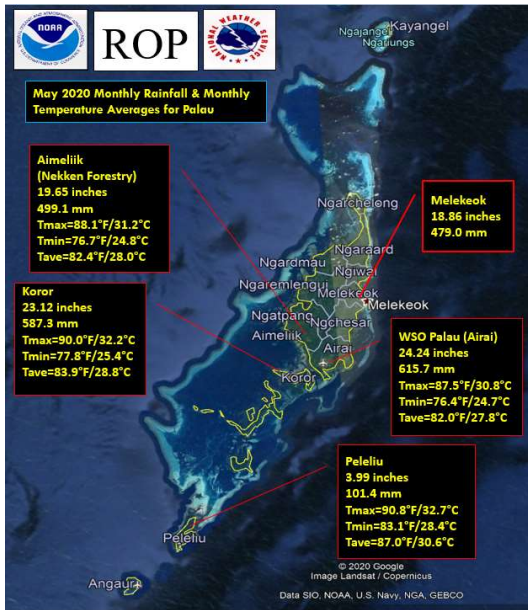
Predictor and Period used: NINO3.4 for April to May 2020

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Koror (1951-2020)	51	1083.6	49		-1	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]
Koror (1951-2020)	35	1001.2	30	1247.6	35	-1	39

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





## Summary Statements

**Rainfall for May 2020:** Invest 94W located near and northwest of Palau kicked off Day 1 of the wet season with 115.6 mm of rainfall over Koror and 203.7 mm over Airai International Airport. Impacts were damages to pre-existing potholes, incomplete road works, weak and cracked roads, birthing of new potholes, and flooding in prone areas. A week later, within a three day time span from May 8 to May 10, Invest 95W, later known as Typhoon Vongfong, the first Tropical Cyclone of Season 2020, produced another 121.7 mm across Koror. By mid-May, rainfall totals nearly doubled. For the second half of May, rainfall was mainly generated by moderate to strong converging trade-winds north of troughs passing south of Angaur. By the end of the month, Koror recorded 587.3 mm of rainfall, the second wettest May on record.



Figure 1 Flood prone road in Aimeliek from May 1st rainfall



Figure 2 Damage to cracked road in Airai from rainfall on May 1<sup>st</sup>.

**Accumulated rainfall for March to May 2020, including outlook verification:** Koror recorded above normal rainfall for the past three months. The verification outlook in February was inconsistent as it showed below normal as the most likely outcome.

### Outlooks for July to September 2020:

1. **SCOPIC:** The SCOPIC outlook for July to September 2020 offers little guidance as the chances of below normal, normal and above normal totals are similar.

2. **ACCESS-S:**

**Monthly rainfall:** July rainfall outlook favours above-normal, with near-normal the next most likely.

**Monthly maximum temperature:** July outlook favours above-normal maximum temperature.

**Monthly minimum temperature:** July outlook favours above-normal minimum temperature.

**Seasonal rainfall:** Seasonal rainfall outlook for July to September 2020 favours above-normal, with near-normal the next most likely.

**Seasonal maximum temperature:** Seasonal temperature outlook favours above-normal maximum temperature.

**Seasonal minimum temperature:** Seasonal outlook favours above-normal minimum temperature.

**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**

Notes: No stakeholder engagements for May 2020 as COVID-19 was the main topic. On May 22, 2020, Palau Public Utilities Corporation lifted the nationwide mandatory water rationing.

<b>Product</b>	<b>Date: May 2020</b>	<b>Stakeholder</b>	<b>Total Number of Participants</b>	<b>Number of male</b>	<b>Number of female</b>
Climate Bulletin					
EAR Watch					
Monthly Climate Briefing					
Ocean Bulletin					
<b>Total</b>					