



FIGURE 1 A) Map of location of the lower Araguari River, its hydrographic basin, Amapá State, Brazil. B) Black dots indicate the monitoring stations: GUR= Gurijuba River at the confluence with the Amazon River; IGN= Igarapé Novo at the confluence with the Araguari River; ARA1= Pracuúba do Araguari (innermost point of monitoring); ARA2= Araguari river upstream of the Urucurituba Canal; URU1= Urucurituba Channel at the confluence with the Araguari River; URU2= Urucurituba Channel at the confluence with the Amazon River (outermost monitoring point). Through the Urucurituba Canal, ARA1 and URU2 stations are separated about 75 km. Igarapé Tabaco is approximately 20 km upstream of ARA2. The field campaigns took place in the dry season (October/2017) and in the rainy season (May/2018). The GUR station was monitored only during the dry season; Ara2 was partially monitored in the rainy season; the others in both periods. The Urucurituba and Gurijuba-Igarapé Novo tidal channels connected the Araguari River to the Amazon River. Numbered orange squares indicate tidal amplitude.