

## **Appendix A. Supplementary data**

Supplementary data is shared in an excel file.

### **Lighthouse Reef Deep Terrace at 200-250 m: partially drowned platform top in the early Middle Miocene**

In Belize, three isolated reef platforms surrounded by deep waters: Turneffe Islands, Lighthouse Reef, and Glovers Reef (Fig. 1). The water depths in the deep canyon separating the Lighthouse Reef from Turneffe Islands can exceed 1200 m, while in the trough between the Lighthouse and Glovers Reefs, they do not exceed 500 m. The eastern margins of the Lighthouse and Glovers Reefs lead to the abyssal depths of the Yucatan Basin, exceeding 3000 m (Gischler & Hudson, 1998). A 200 m high escarpment is observed on the seismic line between the Lighthouse and Glover's Reefs (Fig. 2, James & Gingsburg, 1979). This terrace is also identified in the seismic line in the south of Glover's Reef at 250 m (Fig. 3, Ferro, 2000).

**Filename:** Supplementary Data.xlsx