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An Interactive, Multimedia Presentation of the Miocene Stratigraphy of Northern Sarawak (Borneo, Malaysia)

Video clips, animated diagrams, a picture database of sedimentary structures, micro- and macrofossils, modern outcrop data and historic well log data, combine to give an interactive, multimedia representation of the carbonate and clastic sedimentation in the Miri area.

Minibasins filled by mudstones and siltstones and rimmed by reefal carbonates persisted through much of the Early and Middle Miocene. Starting in the late part of the Langhian, hinterland uplift triggered a sand-rich regressive cycle, which characterizes much of the Serravallian and Tortonian. A series of mudstones with foraminiferal assemblages ever more restricted in nature, punctuate marine incursions on this prograding shelf.

Preserved depositional sequences are interpreted as predominantly TST, the highstands being mostly eroded as a result of the continuing uplift of the NE margin of Borneo.