

# Supporting Information for ”Reef carbonate productivity during Quaternary sea-level oscillations”

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**Contents of this file Additional Supporting Information (Files uploaded separately)**

## 1. Captions for Movies S1 to S2

**Introduction** These animations show the time evolution for the model results for the typical reef architectures displayed figure 2. The gray domain represents the solid earth, the blue oscillating curve is absolute sea level (whose time evolution is displayed in the inset). The age of formation is color-coded. Shaded units show sedimentation of the eroded products.

**Text S1.**

**Movie S1.** Time evolution for the model results for the typical reef architecture displayed figure 2a), reference model. The gray domain represents the solid earth, the blue oscillating curve is absolute sea level, whose time evolution is displayed in the inset. The age of formation is color-coded. Shaded units show sedimentation of the eroded products.

**Movie S1.** Time evolution for the model results for the typical reef architecture displayed figure 2a), reference model. The gray domain represents the solid earth, the blue oscillating curve is absolute sea level, whose time evolution is displayed in the inset. The age of formation is color-coded. Shaded units show sedimentation of the eroded products.