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Late Cretaceous (Cenomanian-Maastrichtian) planktic foraminifera from Goban Spur (DSDP Sites 549 and 550): Biostratigraphic inferences

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Abstract

The planktic foraminifera from two sedimentary sequences of the Upper Cretaceous recovered by the Deep Sea Drilling Project (DSDP) Leg 80, Site 549 and Site 550 (Hole 550B) in the Goban Spur region were analysed in order to refine and integrate the zonal schemes for this area of the North Atlantic Ocean. In the studied intervals, 75 samples were analysed, and 88 species of planktic foraminifera were recognized, enabling the identification of the following biostratigraphic zones: *Rotalipora cushmani* (upper Cenomanian); *Helvetoglobotruncana helvetica* (lower Turonian); *Dicarinella concavata* (upper Turonian–Coniacian); *Dicarinella asymetrica* (upper Coniacian–Santonian); *Racemiguembelina fructicosa* and *Abathomphalus mayaroensis* (upper Maastrichtian). Two intervals in Hole 550B are likely correlative to composite biozones *Pseudoguembelina palpebra*/ *Gansserina gansseri* (Campanian–Maastrichtian) and *Racemiguembelina fructicosa*/ *Abathomphalus mayaroensis* (upper

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