Remarks on biostratigraphic useful nannofossils in the Paleogene of the northern hemisphere

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with 1 table

Introduction

The results given in the following contribution are obtained from the Paleogene sequences recovered during Leg 48 (Bay of Biscay and Rockall Plateau), from 70 wells studied from the North German Tertiary basin and from samples of Austria and Italy.

The standard nannoplankton zonation (Martini 1971) is successfully used for age determinations in all these areas. Some additional remarks and further useful index fossils are given in this report. Reference is made to published informations about the stratigraphic range of these species. Latitudinal differentiations of the nannoplankton assemblages can be observed since at least late Paleocene time. More detailed results will be given in the Initial Reports of the Deep Sea Drilling Project, volume 48 (Müller, in press).

1 Paleocene

Oldest Paleocene sediments recovered during Leg 48 in the Bay of Biscay (Site 401) are from the Danian (nannoplankton zone NP 3). They are characterized by the abund-

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