

Japan Geoscience Union Meeting 2011

(May 22-27 2011 at Makuhari, Chiba, Japan)

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MIS022-P01

会場: コンベンションホール

時間: 5月23日 14:00-16:30

底生有孔虫群集が示すカンタベリー陸棚域の後期更新世の古環境変化 The changes of paleoceanography from benthic foraminiferal assemblages on the continental shelf of the Canterbury Basin

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The Quaternary benthic foraminiferal assemblages in cores at continental shelf of the Canterbury Basin (Hole U1353 and U1354 of IODP Exp. 317), were examined to understand the paleoceanographic history. In the Pleistocene section, two alternating benthic foraminiferal assemblages were recognized. One assemblage consists mainly of *Notorotalia inornata* and *Elphidium charlottense* associated with *Zeaflorilus parri*, suggesting a shallow inner shelf environment. The other consists of *Notorotalia aucklandica*, *Nonionella flemingi* and *Anomarinoides sphericus*, implying a deeper depositional environment down to outer shelf.

Thus, these alternation of two assemblages is considered to represent the frequent paleo-depth changes between inner shelf and outer shelf or deeper. We will discuss the relationship between faunal changes and eustatic sea level changes.

キーワード: 底生有孔虫化石, 古環境, カンタベリー陸棚域, 後期更新世, IODP Exp. 317

Keywords: fossil benthic foraminifera, paleoceanography, the continental shelf of the Canterbury Basin, late Pleistocene, IODP Exp. 317