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Chronostratigraphy of the *Calyptogena*-bearing, Plio-Pleistocene Miura and Kazusa Groups, central Japan

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We studied the stratigraphy and geologic ages of the *Calyptogena*-bearing, Plio-Pleistocene Miura and Kazusa Groups, the fore-arc basin-fills, based on calcareous nanno fossil biostratigraphy and magnetostratigraphy.

Samples examined were obtained from twelve horizons of the Ikego Formation (Pliocene) of the Miura Group, five of the Urago Formation (upper Pliocene to lower Pleistocene) and six of the Nojima Formation (lower Pleistocene) of the Kazusa Group exposed in the northern Miura Peninsula.

The following five nanno-fossil datums have been recognized in ascending order (ages from Raffi et al., 2006): FO (First Occurrence) of *Pseudoemiliania lacunosa* (aplied as CN11a - 11b boundary: 4.13 to 4.12 Ma) and LO (Last Occurrence) of *Reticulofenestra pseudoumbilicus* (CN11b - CN12a boundary: 3.79 Ma) in the Ikego Formation; LO of *Discoaster tamalis* (CN12a - CN12b boundary: 2.87 Ma) and LO of *Discoaster surculus* (CN12b - CN12c boundary: 2.52 Ma) in the Urago Formation; LO of *Discoaster pentaradiatus* (CN12c - CN12d boundary: 2.39 Ma) in the lowermost Nojima Formations. Gauss - Matuyama boundary (2.58Ma) has been recognized in about 30 to 60 m beneath LO of *Discoaster pentaradiatus*.

Based on the results above, the age of the *Calyptogena*-dominated assemblages from the Ikego Formation can be dated in 4.50 to 3.79 Ma, and those from the Urago Formation in 2.52 - 2.50 Ma.

Keywords: chemosynthetic fossil assemblage, Miura Peninsula, Miura Group, Kazusa Group, calcareous nanno fossil stratigraphy