

L135-005

Room: Function Room A

Time: May 20 10:00-10:15

Changes in marine environment around the Okinawa Islands during the Bond Cycle 4

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The micro-bivalve *Carditella iejimensis* is less than 3.5 mm in shell height and lives in the surface sediment within a submarine cave at Ie Island, Okinawa Islands, Japan. The temperature reconstructed from oxygen isotope ratios of *C. iejimensis* shells may indicate the water temperature at 30m depth between May and July of each year. In order to reconstruct paleotemperature for more long period, we analyzed oxygen isotope ratios of *C. iejimensis* obtained from cored sediments preserved the records during the last 7,000 years with Finnigan MAT 251 mass spectrometer at Hokkaido University.