

## Marine tephras in cores obtained by IODP Expedition 346: Stratigraphy, chronology and correlation

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Many tephra beds are intercalated in marine sediment sequences around the Japanese islands. During IODP Expedition 346, the sediment cores were obtained from 7 sites in the Japan Sea and 2 sites from the northern East China Sea. Many tephra beds are observed in the cores from these sites. Several tephras were correlated to the age-known widespread tephras in Pliocene-Quaternary age, and some were used for inter-core and inter-site correlation. Results clearly indicate the importance of marine tephra study for establishing stratigraphy, chronology and correlation.

Keywords: tephra, IODP, stratigraphy