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Local marine radiocarbon age offset of Hokkaido region

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The natural radioisotope ¹²⁹I dating covers an important age range for geological samples. The iodine contains ¹²⁹I that is the long half-life radionuclide besides stable isotope ¹²⁷I. ¹²⁹I is a cosmogenic nuclide generated by cosmic rays in the atmosphere. It is possible to measure it by using ¹²⁹I/¹²⁷I at the iodine age. It is possible to measure iodine dating by using this equilibrium. However, present ¹²⁹I/¹²⁷I ratio is very high. Because a large amount ¹²⁹I was added by the human act of using nuclear power. Therefore, it is indispensable to know initial ¹²⁹I/¹²⁷I ratio that doesn't contain anthropogenic ¹²⁹I to measure ¹²⁹I age.