

R004-P07

ポスター 2 : 11/5 AM1/AM2 (9:00-12:30)

窯跡から出土する土器片に対する岩石磁気学的測定

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Rock magnetic properties of ancient pottery pieces from buried old kiln

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The ceramic potteries excavated from ancient kilns contain minerals reflecting the clay elements. They were dehydrated and transformed into other stable minerals in the high-temperature and oxic or anoxic environments. The status of the baking, temperature, oxidation, are very complicated and widely varied even in a kiln, so that they create greater variation in colors, porosity and other characteristics of the ceramics. We focus on the iron-bearing minerals, mainly iron oxides like magnetite and hematite, in the ancient ceramics to estimate the characteristics of the kiln and manufacturing works of them. Here we have a preliminary report of rock magnetic measurements on the pottery pieces obtained from 'Subetto old kiln' in the Tokameyama kiln sites, central Kagawa prefecture. Although the colors of the pottery pieces are rich in variety, from dark grey to reddish brown via white, the variation of the rock magnetic properties does not spread widely as well as colors. We will show the comparison of the rock magnetic and chemical properties between Subetto and Shoda-Kuden reported former SGEPS meeting in the presentation.