Variation of framboidal pyrite in the surface sediment of the southwestern Okhotsk Sea

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Framboidal pyrite are included in unconsolidated submarine sediment samples of the cores GH00-1006, GH01-1011, and GH01-1014, obtained from the southwestern Okhotsk Sea. Concentrated framboids by the extraction procedure (Masuzawa et al.,1992) are observed by the scanning electron microscopy and digital stereoscope. The size distribution (mean diameter: 8 – 18 um) of the framboids of the whole samples show the oxic submarine environment based on the classification of Wilkin et al.(1996). The shape of the frambois and microcrystal present several variations, for example, amorphous microcrystal formed small frambois (middle part of GH00-1006 core), interlocked aggregate formed sphere framboids (middle and lower part of GH01-1014 core) .In this session we present tentative result of the classification and show detail description of framboids.