High-pressure (2GPa) metamorphism of the Fuko Pass metacumulate, Oeyama ophiolite (SW Japan)

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The kyanite-bearing amphibolite originated in troctolitic cumulate rock, newly defined as [Fuko Pass metacumulate], occurs as the fault-bounded block in the Oeyama peridotite body. The Fuko Pass metacumulate is thoroughly recrystallized into the epidote-amphibolite assemblage; hornblende + clinozoisite + kyanite + chlorite + paragonite + albite +- staurolite +- corundum + rutile + ilmenite. The P-T estimation of the kyanite + clinozoisite + paragonite + albite assemblage indicates pressure of 1.7-2.2GPa and temperature of 750-800 C. Although the Fuko Pass metacumulate had been regarded as dismembered cumulate member of a successive sequence of the Oeyama ophiolite, it should be reinterpreted as an exotic block which may have been trapped somehow by tectonic process.