

## Petrological study of Miyake-jima volcano, Izu-islands-Magmatic system of 2000A.D. eruption-

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Petrological study has been done for 2000A.D. eruptives of Miyake-jima volcano; scoria from submarine craters and volcanic bombs from summit caldera. Submarine scoria consist of aphyric basalts that have only A-type crystal-clots which derived from andesitic magma. On the contrary, summit bombs consists of pl-phyric basalts that have only B-type crystal-clots which derived from basaltic magma. It is clarified that there exists two magmatic systems; deeper basaltic magma and shallower andesitic magma, under Miyake-jima volcano in Shinmio stage. The composition of each crystal-clots are on the extension line of that of Shinmio stage, so that we suggest that andesitic and basaltic magmas that have evolved since 1469A.D. erupted from submarine and summit craters respectively.