Vc-P012 Room: Poster Time: June 10 17:30-19:30

Magma system during Ikeda cakdera formation -Existence of multiple magma chamber and the eruption-

Hirohito Inakura [1], Mitsuhiro Nakagawa [1], Tetsuo Kobayashi [2]

[1] Earth and Planetary Sci., Hokkaido Univ, [2] Earth and Environmental Sci., Kagoshima Univ http://cosmos.sci.hokudai.ac.jp/~inakura/

The caldera-forming eruption of Ikeda caldera, southern Kyusyu is devided three stages on the basis of temporal variations in juvenile materials. Stage 1 is characterized by dark gray scoria, stage 2 is characterized by less dark gray scoria and stage 3 is characterized by white pumice and banded pumice. The evidence from major- and trace elements composition, mineral assembrage and their chemical compositions suggest that these products were derayed from magma mixing events and they should be issued not from a single magma chamber but from multiple magma chambers.