

## Characteristics of pyroclastic flow deposits erupted from mash magma chamber in Pliocene Innai Caldera Complex, NE Honshu Arc.

# Kouji Aizawa[1]

[1] Earth and Planetary Sci., Hokkaido Univ

Pliocene Innai caldera complex, located in southern Akita Prefecture, Northern East Honshu Arc, is composed of outer caldera related to Jibuichi-zawa-gawa pyroclastic rocks member (Jpm) and inner caldera to kami-innai pyroclastic rocks member (Kpm). Jpm and Kpm mainly consist of rhyolitic pyroclastic flow deposits. Crystal fragments composed of pyroclastic flow deposits of Jpm and Kpm decrease from lower flow unit to upper unit. Glomeroporphyritic fragments in lower flow units with many crystal fragments suggest that mash like magma chamber were underlain below Innai caldera complex. Pumice fragments of Jpm have little phenocrysts. Magma of Jpm segregated from mash like part with many crystals. Pumices including phenocrysts of Kpm suggest that magma was imperfectly segregated from mash.