

HQR010-P17

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## Re-examination on stratigraphy of Shirakawa Pyroclastic Flow Deposit Group using correlation of Pleistocene tephras

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Shirakawa Pyroclastic Flow(Yoshida and Takahashi,1991)Deposits Group erupted from several caldera located in south part of Northeast Japan arc in the early Pleistocene. Yamamoto et al.(1996)reexamined a part of stratigraphy by Yoshida and Takahashi(1991), and classified Shirakawa Pyroclastic Flow Deposit Group into Tenei Pyroclastic Flow Deposit, Nishigo Pyroclastic Flow Deposit, Nagurasawa Pyroclastic Flow Deposit, Ashino Pyroclastic Flow Deposit, and Kumado Pyroclastic Flow Deposit. In this study, in order to re-examine stratigraphy of the Shirakawa Pyroclastic Flow Deposits Group, we have attempted to use tephras in the Obama Formation of Inubo Group in Choshi Area.

Ashino Pyroclastic Flow Deposit correlates Ob5c (Kd8) tephra in the Obama Formation of Inubo Group using chemical composition of volcanic glass and orthopyroxene. Eruption age of Ashino Pyroclastic Flow is estimated to be 1.3Ma because of calcareous nannofossil biostratigraphic position of in the Obama Formation (Fujioka and Kameo, 2004).

An Pyroclastic Flow Deposit located at Akai in Aizuwakamatsu City correlates no-name tephra (Kd18) 4.8m above Ob5c in the some way. Eruption age of this Pyroclastic Flow is estimated to be 1.46Ma because of calcareous nannofossil biostratigraphic position of in the Obama Formation (Fujioka and Kameo, 2004). An Pyroclastic Flow Deposit located at Akai in Aizuwakamatsu City exists between Kumado Pyroclastic Flow Deposit and Ashino Pyroclastic Flow Deposit, for the reason that Kumado Pyroclastic Flow Deposits correlate Sr-Kmd tephra(1.51Ma; Suzuki and Murata, 2008) 10.6m above Ob5c in the Obama Formation.

Keywords: Shirakawa Pyroclastic Flow Deposit Group, Inubo Group