

HQR010-P24

Room: Convention Hall

Time: May 26 17:15-18:45

## Correlation among tephras in drilling sample and reflectors in acoustic record in Lake Nojiri, central Japan

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The authors are now carrying out researches on lake level changes based on acoustic record. Former research was based on uncertain dating of reflectors. Recent study of Nagahashi and others has revealed better dating data on tephras which enabled us to discuss more precise history of lake level change. We present here the result of correlation among tephras in drilling sample and reflectors in acoustic record. In the most of lake area, Akasuko tephra, which means red colored scoria, is related to acoustic basement, and in other area Doraikarei, which means dry curry, makes acoustic basement.

Keywords: sediment, tephra, lake, acoustic record, Lake Nojiri