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ACC32-P04 Room:Convention Hall Time:May 24 16:15-17:30

Dynamics and GPR stratigraphy of the Ikenotan-migimata perennial snow patch in Mt. Tsurugi, the northern Japanese Alps,

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We have investigated surface flow velocity and ice thickness of the Ikenotan-migimata perennial snow patch in Mt. Tsurugi (2999 m asl) in the northern Japanese Alps, central Japan since 2012.

We found the thick ice mass (about 40 m in thickness) in the lower part of the Ikenotan-migimata perennial snow patch based on the GPR sounding in the autumn of 2012. We measured that the ice mass had flowed 10-15 cm month-1 in the autumn of 2012. Thus, we regard the snow patch as small active glacier.

Keywords: glacier, perennial snow patch, Mt. Tsurugi, glacier flow, GPR