Geosci. Instrum. Method. Data Syst. Discuss., 2, C204–C205, 2012
www.geosci-instrum-method-data-syst-discuss.net/2/C204/2012/

Geoscientific Instrumentation Methods and Data Systems Discussions

Interactive comment on "Development and operation of a muon detection system under extremely high humidity environment for monitoring underground water table" *by* H. K. M. Tanaka and A. Sannomiya

Anonymous Referee #1

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Comments

This is essentially a technical paper, describing how muon detectors, which require high voltage circuitry, can be packaged in a fashion that copes with 100% humidity. This is described as enabling muon tomography to be used for measuring groundwater, an application in which the detectors are likely to be in very humid underground tunnels.

In relation to monitoring the water table to assess landslide risk, I feel there should be some numerical calculations as to the accuracy expected in calculating the groundwa-

ter level from a particular muon detector for a particular time interval. If this is done, I think the paper is complete.

Interactive comment on Geosci. Instrum. Method. Data Syst. Discuss., 2, 719, 2012.

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Interactive Comment