



Interactive comment on “Pre-earthquake magnetic pulses” by J. Scoville et al.

J. Scoville et al.

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Received and published: 14 January 2015

Dear Dr. Masci,

Figure 4b of Dahlgren, et al. (2014) does show that “stress-stimulated currents appear simultaneously to the stress loading” as you say.

However, figure 4b does not, as you indicate, refer to a dry sample. It shows currents in a fluid-saturated sample. Please take a closer look.

Since currents appear simultaneously to the stress loading in this fluid-saturated sample it follows that currents in fluid-saturated rocks actually were observed by Dahlgren, et al. simultaneously to stress loading. Thus, to answer your earlier comment, stress-induced currents in rock do not require an absence of conductive fluids.

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Best regards,

John Scoville

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 2, 7367, 2014.

NHESD

2, C3033–C3034, 2015

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