

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

J. Derr

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Dear Prof. Masci,

Please be assured that the laboratory experiments which are the subject of the Dahlgren et al. (2014) (“DJVN”) paper you cite above are being addressed very thoroughly by Prof. Freund in (1) a comment submitted to BSSA and now in review, and (2) a stand-alone paper which was just submitted to BSSA Feb. 4, 2015. I have read both of these and believe that they very adequately address the subject. In the interest of avoiding duplicate publication, I suggest that the Scoville et al. paper which is the subject of this discussion include at most a one-sentence reference to the DJVN paper, to the effect that its relevance is being addressed in these two submitted works, one of which may even be in press when this Scoville et al. paper is published. The disputed laboratory techniques in the DJVN paper in no way affect the results of Scoville et al.

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Sincerely,

John Derr

References:

Dahlgren, P. R., M. J. S. Johnston, V. C. Vanderbilt, and R. N. Nakaba (2014), Comparison of the stress-stimulated current of dry and fluid saturated gabbro samples, Bulletin of the Seismological Society of America, 104, 2662-2672.

Freund, F., (2015), Comment to: Comparison of the stress-stimulated current of dry and fluid saturated gabbro samples, Bulletin of the Seismological Society of America, submitted Dec. 28, 2014.

Freund, F. (2015), Nature and sign of stress-activated electronic charge carriers in rock: Dry and wet gabbro, Bulletin of the Seismological Society of America, submitted Feb. 4, 2015.

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