


CORRECTION

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Correction to: Laboratory investigation of coupled electrical interaction of fracturing rock with gases

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Correction to: *Earth, Planets and Space* (2021) 73:90

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Following publication of the original article (Enomoto et al. 2021), the authors reported an error in the number notation on the abscissa in Fig. 3e.

The sampling period for the measurement in Fig. 3e is 0.167 min, but not 1.6 min.

The corrected Fig. 3 is provided in this Correction. The original article (Enomoto et al. 2021) has been updated.

The original article can be found online at <https://doi.org/10.1186/s40623-021-01416-1>.

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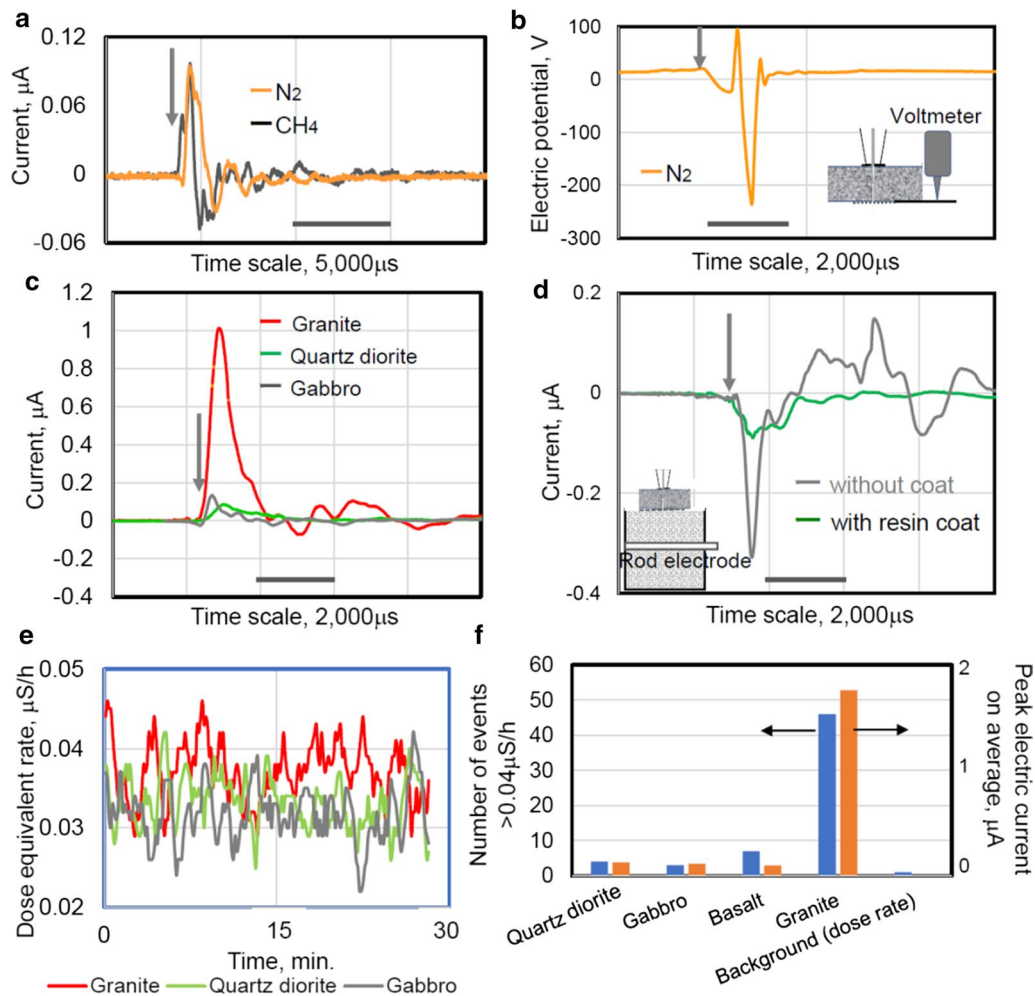


Fig. 3 **a** and **b** Typical results for third series of experiments. **a** Currents for combination of gabbro/CH₄ or N₂ at ~ 160 °C, which are enlarged the signals in the middle of Fig. 2e; **b** electric potential for gabbro/N₂ at ~ 160 °C. **c** and **d** Typical results for fourth series of experiments. **c** Current and vibration for combination of granite/CO₂ at ~ 25 °C and **d** induced current signals at the pipe electrode with and without non-conductive resin coating buried in a container filled with granite grains and soil. Arrows show in **a–d** the final rupture point when the gas started to flow in the crack gap. **e** Gamma-ray equivalent dose rate for granite, gabbro, and quartz diorite in 30-min measurements. **f** Comparison number N_{Y>0.04} of events for the γ-ray equivalent dose rate greater than 0.04 μSv/h and average peak currents for several test runs of quartz diorite, gabbro, basalt, and granite with CO₂ at S = 1.2 × 10⁻⁴ m² and ~ 25 °C; N_{Y>0.04} for the background in open air is also included. Arrows pointing to the left and right indicate the vertical axis showing the units of the blue and orange bar graphs

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