

## ***Interactive comment on “Mars MOURA magnetometer demonstration for high resolution mapping on terrestrial analogues” by M. Diaz Michelena et al.***

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Results shown here are excellent in quality and none can doubt the MOURA magnetometer performance will be a great advance in planetary exploration.

However, when showing the results in the analogues on Earth, the paper lacks order and results are not consistent from one site to the next. In this sense, I will appreciate if for all the analyzed sites have the same protocol as Moturaqui site. A comparison between MOURA and the commercial instrument, a result of both measurements and a correlation between measurements on selected sites.

Modelling the magnetic signal due to subvertical and incline dykes seems out of the

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scope of this paper and, although it is interesting as such, increases the chaos showing non-technical aspects of the work.

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