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Geoscientific Instrumentation Methods and Data Systems
Discussions

Interactive comment on "Calibration of QM-MOURA three-axis magnetometer and gradiometer" *by* M. Díaz-Michelena et al.

Anonymous Referee #2

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The paper describes the calibration process. Normally, this is the most regularized metrological action and has to include the accepted officially steps and the process itself, if not originally proposed, has no scientific value - only final information. In this particular case, especially, the MOURA magnetometer is no more included in the Mars payload, what lowers the interest to the results. Nevertheless, it might be recommended to re-submit the paper after major revision, stating the development peculiarities, if different from regular ones, and the test results, concentrating mostly at the verification of the most important parameters for the magnetometer: thermal and temporal drift, noise level, linearity, orthogonality of axes and their variation with temperature. No necessary to give all details, e.g., practically all Page 9, lines 1-11 are not informative, as well as tables 2, 4, 12, 13 do not contain any important information;

there are many English errors.

Interactive comment on Geosci. Instrum. Method. Data Syst. Discuss., 4, 385, 2014.