Dear Editor,

Once more, we apologize for the long time we have delayed this response.

Please find attached the corrections to the manuscript following the suggestions of the referees #1 and #2.

We hope that you reconsider the manuscript for its publication in Geoscientific Instrumentation, Methods and Data Systems.

Looking forward to hearing your answer. Thank you for your help and patience.

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Please also note the supplement to this comment:

Fig. 1. Relative axes of MOURA: $X_1$, $Y_1$, $Z_1$ and $X_2$, $Y_2$, $Z_2$ and SPT observatory: $X_{SPT}$, $Y_{SPT}$ and $Z_{SPT}$.
Fig. 2. Set up of the measurements.
Fig. 3. Comparison between measurements from SPT and MOURA, X axis (bottom), Y axis (middle) and C244.
Fig. 4. Horizontal component of the geomagnetic field measured with MOURA magnetometer and SPT