



EGUsphere, referee comment RC1  
<https://doi.org/10.5194/egusphere-2022-293-RC1>, 2022  
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## **Comment on egusphere-2022-293**

Boris Ginzburg (Referee)

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Referee comment on "Quad-Mag board for CubeSat applications" by Brady P. Strabel et al., EGU sphere, <https://doi.org/10.5194/egusphere-2022-293-RC1>, 2022

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Manuscript describes characteristic and performance of a magnetometer board (Quad-Mag) equipped with four PNI RM3100 magnetometers.

Description is detailed and clear.

To my mind, there are two technical characteristics that should be given consideration:

a) Mutual influence of magnetic sensors placed on the same board (could be evaluated, for instance, with the help of another magnetometer board)

b) Magnetic influence (interference) of board electronics on magnetic measurements being taken (probably similar to a))

Technical: page 5, line 4 - probably, term "thermal drift" instead of "thermal gain" is more customary? (and further in the text);

page 5, line 12 - should be Figure 3a

page 13, line 1 - should be "configured to gain sample"