



EGUsphere, author comment AC1
<https://doi.org/10.5194/egusphere-2022-293-AC1>, 2022
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Reply on RC1

Brady P. Strabel et al.

Author comment on "Quad-Mag board for CubeSat applications" by Brady P. Strabel et al.,
EGUsphere, <https://doi.org/10.5194/egusphere-2022-293-AC1>, 2022

First, we want to thank you for taking the time to read the paper and provide useful feedback. Please find our replies to the comments:

a/b) These are valid concerns. We have added a section "Interference" detailing the influence of multiple magnetometers and of board electronics on measurements. Specifically, we quantify the effects on the resolution of a single magnetometer as it samples in different scenarios (i.e. with the quad-mag board absent entirely, on the quad-mag board with no other magnetometers present, and on the quad-mag board with all magnetometers present). We show that the differences in resolution between the cases are negligible and thus we can say the board electronics and multiple sensors do not influence our results.

Technical:

*page 5, line 12 - changed to figure 3a

*page 13, line 1 - changed to "the system was again configured to sample"