

## ***Interactive comment on “On the directions and structure of the short-term magnetic variations” by Andrey Khokhlov et al.***

**Andrey Khokhlov et al.**

r.krasnoperov@gcras.ru

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To begin with we must say that we found both comments clear and useful. As a result we decided to withdraw the text in its present form in order to edit the existing text and add the details that may clarify the main target of our research. Indeed, according to that was noticed by the first anonymous reviewer, we also believe that the polarization appeared mainly due to the MT- effect, but initially we tried not to get into this details because in principle the similar effect could be caused also by the poor calibration of the 3-axes of the sensor. Another interesting issue is that the traditional MT sounding using only natural sources is based on rather wide range of frequencies of the variations and the corresponding technology is indeed not that trivial. In contrast our method of recovering the magnetic tipper needs very narrow frequency range and no complicated

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data processing. So we are happy that the second anonymous reviewer characterized our research as an attempt of “the new technique” , besides we are completely agree to present “ the supplementary information that could be useful to the readers”. The amount of this information at present is under consideration, for instance, the accurate comparison of the two approaches of the recovering the magnetic tipper, can be interesting issue in the exploration geophysics. In the present short version we planned only the initial announcement and tried to avoid all that is beyond the short note . Now we’ll try to revise and extend our text to make it closer to the practical interests, we agree that our first attempt had many drawbacks.

Thank you again.

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