

## ***Interactive comment on “Magnetic dipolarizations inside geosynchronous orbit with tailward ions flow” by Xiaoying Sun et al.***

**Anna Milillo (Editor)**

[anna.milillo@inaf.it](mailto:anna.milillo@inaf.it)

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This paper reports the observations of two dipolarizations linked to a substorm registered by the two THEMIS spacecraft E and D located one inside the geosynchronous orbit and the other tailward. The paper is well written. Essentially I agree with the other referee that some more check should be done to prove the double dipolarization occurrence. Also there is some confusion with the Electric field directions and flow velocity directions. I will recommend it for publication after these revisions. Minor comments line 33 NESP should be NEPS line 69: the z coordinates of the two s/c here are probably wrong, since both are in the plasma sheet, in fact in the figures 3 and 4 there are different values. there are many typos and missing spaces within the manuscript.

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Interactive comment on Ann. Geophys. Discuss., <https://doi.org/10.5194/angeo-2018-128>, 2018.

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