

Correction to “An acceleration mechanism for the generation of the main auroral oval on Jupiter”

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INDEX TERMS: 6220 Planetology: Solar System Objects: Jupiter; 5719 Planetology: Fluid Planets: Interactions with particles and fields; 5737 Planetology: Fluid Planets: Magnetospheres (2756); 2756 Magnetospheric Physics: Planetary magnetospheres (5443, 5737, 6030); 2704 Magnetospheric Physics: Auroral phenomena (2407); 9900 Corrections. **Citation:** Saur, J., A. Pouquet, and W. H. Matthaeus, Correction to “An acceleration mechanism for the generation of the main auroral oval on Jupiter,” *Geophys. Res. Lett.*, 30(13), 1686, doi:10.1029/2003GL017730, 2003.

[1] In the paper “An acceleration mechanism for the generation of the main auroral oval on Jupiter” by Joachim Saur, Annick Pouquet, and William H. Matthaeus [*Geophys. Res. Lett.*, 30(5), 1260, doi:10.1029/2002GL015761, 2003] a typographical error was introduced in the last sentence of paragraph [4]. The correct sentence appears below.

[2] *Hill* [2001] shows that the current system of a total of 3×10^7 A extracts a total power of $P_0 = 600$ TW from Jupiter’s rotation, where approximately $\sim 40\%$ is used up as Joule heating for heating Jupiter’s ionosphere and $\sim 60\%$ for spin up of the magnetosphere.